

# Western Midstream

## Liquid Release Volume Calculator - E&P Exempt Material

Facility/Pipeline Name: **Corral Fly State SWD #1** Date: **4/30/2026**  
 Product Released: **Crude Oil**  Produced Water  Condensate   
 Region: **NEW MEXICO** Inside/Outside of Containment:  BOTH IN/OUT OF CONTAINMENT Did release enter water? **NO**

Total Area Calculations - Rectangle (Outside Containment)				
Total Surface Area	Length	Width	Wet Soil Depth	Area Covered (%)
Rectangle Area 1	80 ft. x	32 ft. x	0.125 in.	100.00%
Rectangle Area 2	40 ft. x	30 ft. x	0.75 in.	100.00%
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%

Standing Liquid Calculations - Rectangle (Inside Containment)				
Total Standing Liquid	Length	Width	Depth	Area Covered (%)
Rectangle Area 1	168 ft. x	77 ft. x	2.5 in.	100.00%
Rectangle Area 2	ft. x	ft. x	ft. x	100.00%
Rectangle Area 3	ft. x	ft. x	ft. x	0.00%
Rectangle Area 4	ft. x	ft. x	ft. x	70.00%
Rectangle Area 5	ft. x	ft. x	ft. x	80.00%

Total Area Calculations - Circle (Outside Containment)				
Total Surface Area	Diameter	Radius	Depth	Area Covered (%)
Circle 1	0 ft.	0 ft.	0 in.	0.00%
Circle 2	0 ft.	0 ft.	0 in.	0.00%
Circle 3	0 ft.	0 ft.	0 in.	0.00%
Circle 4	0 ft.	0 ft.	0 in.	0.00%
Circle 5	0 ft.	0 ft.	0 in.	0.00%

Standing Liquid Calculations - Circle (Inside Containment)				
Total Surface Area	Diameter	Radius	Depth	Area Covered (%)
Circle 1	ft.	ft.	ft.	0.00%
Circle 2	0 ft.	0 ft.	0 in.	0.00%
Circle 3	0 ft.	0 ft.	0 in.	0.00%
Circle 4	0 ft.	0 ft.	0 in.	0.00%
Circle 5	0 ft.	0 ft.	0 in.	0.00%

\*Soil Type: **Caliche**  
 Liquid Holding Factor: 0.14

\*Fluid Recovered: **TBD BBL**

\*Oil Cut %: **100.00%**

Saturated Soil Volume Calculation - Rectangle (Outside Containment)		
Total Surface Area	Volume	
Rectangle Area 1	2,560.00 sq. ft.	26.67 cu. ft.
Rectangle Area 2	1,200.00 sq. ft.	75.00 cu. ft.
Rectangle Area 3	0.00 sq. ft.	0.00 cu. ft.
Rectangle Area 4	0.00 sq. ft.	0.00 cu. ft.
Rectangle Area 5	0.00 sq. ft.	0.00 cu. ft.
<b>Total Volume:</b>	<b>3,760.00 sq. ft.</b>	<b>101.67 cu. ft.</b>

Standing Saturated Soil Volume Calculation - Rectangle (Inside Containment)		
Total Surface Area	Volume	
Rectangle Area 1	12,936.00 sq. ft.	2,695.00 cu. ft.
Rectangle Area 2	0.00 sq. ft.	0.00 cu. ft.
Rectangle Area 3	0.00 sq. ft.	0.00 cu. ft.
Rectangle Area 4	0.00 sq. ft.	0.00 cu. ft.
Rectangle Area 5	0.00 sq. ft.	0.00 cu. ft.
<b>Total Volume:</b>	<b>12,936.00 sq. ft.</b>	<b>2,695.00 cu. ft.</b>

Approximate Volume Released - Rectangle				
	Hydrocarbon Lost	REPORTABLE?	Produced Water Lost	REPORTABLE?
Liquid in Soil (Out Cont.)	2.93 BBL		0.00 BBL	
Standing Liquid in Cont.	479.97 BBL		0.00 BBL	
In Cont. Adj. Disp. Volume	48.79 BBL		0.00 BBL	
<b>Hydrocarbon PPL Totals:</b>	<b>433.76 BBL</b>	<b>YES</b>	<b>0.00 BBL</b>	<b>NO</b>
<b>TOTAL VOLUME RELEASED:</b>	<b>433.76 BBL</b>		<b>18,217.77 GAL</b>	
RECOVERED VOLUME:	TBD BBL			

Tank Displacement (Circle or Rectangle; In Containment ONLY)				
Tank Diameter	Depth	# of Tanks	Displacement	
20 ft.	2.5 in.	4	46.53	BBL
1 ft.	10.75 in.	2.5	0.31	BBL
2 ft.	15.5 in.	2.5	1.81	BBL
0 ft.	0 in.	0	0.00	BBL
0 ft.	0 in.	0	0.00	BBL
<b>Total Displacement:</b>			<b>48.75 BBL</b>	

DEPTH CONVERSIONS:	
* 1/16th of an inch = 0.0625 inches = 0.0052 feet	* 3 inches = 0.25 feet
* 1/8th of an inch = 0.125 inches = 0.01041 feet	* 4 inches = 0.333 feet
* 1/4th of an inch = 0.25 inches = 0.02083 feet	* 6 inches = 0.5166 feet
* 1/2 of an inch = 0.5 inches = 0.0416 feet	* 8 inches = 0.667 feet
* 1 inch = 0.0833 feet	* 12 inches = 1 foot
* 1 1/2 inches = 1.5 inches = 0.125 feet	* 24 inches = 2 feet
* 2 inches = 0.1666 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????????
  - \* Caliche: Caliche is a hard, compacted, chalky or whitish layer often found in arid regions, resembling a solid rock-like crust beneath the surface. An example where you might find this would be on the facility pad.
  - \* Clay Loam: Clay Loam is a smooth, dense soil that feels slick or sticky when wet, often dark brown or reddish-brown, and holds moisture and nutrients effectively.
  - \* Saturated Caliche: Saturated Caliche becomes even harder and more impermeable when wet, appearing as a dense, soggy, whitish crust that resists water penetration.
  - \* Saturated Sandy Loam: Saturated Sandy Loam feels heavier and stickier when wet, appearing dark and muddy while still allowing some water drainage due to its sandy texture.
  - \* In Containment: Release occurs totally within an secondary containment that is impervious, meaning, the liquids can not seep through.

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 593603

**QUESTIONS**

Operator: SOLARIS WATER MIDSTREAM, LLC 9950 WOODLOCH FOREST DR THE WOODLANDS, TX 77380	OGRID: 371643
	Action Number: 593603
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2612057340
Incident Name	NAPP2612057340 CORRAL FLY STATE SWD #1 @ 30-015-44626
Incident Type	Oil Release
Incident Status	Initial C-141 Received
Incident Well	[30-015-44626] CORRAL FLY STATE SWD #001

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	Corral Fly State SWD #1
Date Release Discovered	04/30/2026
Surface Owner	State

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil 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

<b>Nature and Volume of Release</b>	
<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	Cause: Overflow - Tank, Pit, Etc.   Tank (Any)   Crude Oil   Released: 434 BBL   Recovered: 431 BBL   Lost: 3 BBL.
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	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)	Not answered.

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QUESTIONS, Page 2

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**QUESTIONS (continued)**

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<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.</b>
<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.</i>	

**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: 06/09/2026
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QUESTIONS, Page 3

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**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
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 100 (ft.)
Categorize the risk of this well / site being in a karst geology	Low
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**

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
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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

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**CONDITIONS**

Created By	Condition	Condition Date
scott.rodgers	The initial C-141 is approved	6/9/2026