



January 5, 2026

**New Mexico Oil Conservation Division**

New Mexico Energy, Minerals, and Natural Resources Department  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

**Re: Closure Request**  
**Deer Stalker Federal 5C CTB**  
**Incident Number nAPP2531953879**  
**Lea County, New Mexico**

To Whom It May Concern:

COG Operating, LLC, (COG), has prepared this *Closure Request* to document the findings of a liner integrity inspection conducted at the Deer Stalker Federal 5C CTB (Site) following the release of an oil/produced water mixture within a lined containment. Based on the liner integrity inspection activities, COG is submitting this Closure Request, describing assessment activities that have occurred and requesting no further action and closure for Incident Number nAPP2531953879.

**SITE DESCRIPTION AND RELEASE SUMMARY**

The site is located in Unit C, Section 05, Township 25 South, Range 35 East, in Lea County, New Mexico (32.165694, -103.394728) and is associated with oil and gas exploration and production operations on private land owned by Quail Ranch, LLC.

On November 15, 2025, field personnel discovered a leak on a produced water tank causing fifty-nine point seven eight eight four (59.7884) barrels of an oil/produced water mixture to be released into a lined containment. A vacuum truck was dispatched to the site to recover free-standing fluids and approximately fifty-nine (59) barrels of fluid were recovered. The tank was isolated to prevent fluid being further released. COG reported the release to the New Mexico Oil Conservation Division (NMOCD) on a *Release Notification Form C-141* (Form C-141) on November 17, 2025. The release was assigned Incident Number nAPP2531953879.

## SITE CHARACTERIZATION AND CLOSURE CRITERIA

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers databases, there is no known water source within a 0.50-mile radius of the location. The closest well is located approximately 0.59 miles Southwest of the Site in Unit Letter N, S05, T25S, R35E and was drilled in 1920. The well has a reported depth of 180 feet below ground surface and groundwater was encountered at 165 feet below ground surface. Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg.

## LINER INTEGRITY INSPECTION ACTIVITIES

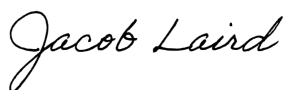
A 48-hour advance notice of the liner inspection was submitted to the NMOCD on December 17, 2025. Prior to conducting the liner integrity inspection, COG operations power washed the liner to remove dirt and debris and recover any residual produced water. A liner integrity inspection was conducted by Jacob Laird on December 23, 2025. Upon inspection, no rips, tears, holes, or damage was observed. The liner was determined to be sufficient, and all released fluids have been removed. Refer to photolog for details.

## CLOSURE REQUEST

Based on the liner inspection throughout the facility, the liner was determined to be sufficient. The release was contained laterally by the lined containment and the liner was performing as designed. No further actions are required at the site. COG, LLC respectfully requests that the New Mexico Oil Conservation Division grant closure approval for Incident Number nAPP2531953879.

Should you have any questions or concerns please do not hesitate to contact me.

Sincerely,



Jacob Laird  
Environmental Engineer  
jacob.laird@conocophillips.com

Appendices:

Figures- Site Map Overview, Topography Map, Secondary Containment Map

Appendix A: NMOCD Correspondence

Appendix B: Photolog

Appendix C: Site Characterization and Ground Water

Figures: Site Maps





## Overview Map

COG Operating, LLC  
Deer Stalker Federal 5C CTB  
Lea County, New Mexico  
32.165694, -103.394728



## Topographical Map

COG Operating, LLC  
Deer Stalker Federal 5C CTB  
Lea County, New Mexico  
32.165694, -103.394728





## Secondary Containment Map

COG Operating, LLC  
Deer Stalker Federal 5C CTB  
Lea County, New Mexico  
32.165694, -103.394728

## Appendix A: NMOCD Correspondence

Spill Calculation - On-Pad Surface Pool Spill										
<i>Received by OCD: 1/5/2026 12:38:52 PM</i>										<i>Page 9 of 37</i>
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	Estimated <u>Pool</u> Area (sq. ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture (%)	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	86	58	0.5	4988.00	36.99	0.00	37.07	7%	2.59	34.48
Rectangle B	58	15	0.5	870.00	6.45	0.00	6.47		0.45	6.01
Rectangle C	45	58	0.5	2610.00	19.36	0.00	19.40		1.36	18.04
Rectangle D				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle E				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle F				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle G				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle H				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle I				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle J				0.00	0.00	0.00	0.00		0.00	0.00
Total Volume Release, Soil not impacted:							59.7884		4.1852	55.6032
<i>Released to Imaging: 1/13/2026 1:19:45 PM</i>										

Sante Fe Main Office  
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 527248

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 527248
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2531953879
Incident Name	NAPP2531953879 DEER STALKER FED 5C CTB @ FAPP2135130523
Incident Type	Release Other
Incident Status	Initial C-141 Received
Incident Facility	[fAPP2135130523] Deerstalker Fed 5 C CTB RB

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Deer Stalker Fed 5C CTB
Date Release Discovered	11/15/2025
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Release Other
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	Cause: Normal Operations   Tank (Any)   Crude Oil   Released: 4 BBL   Recovered: 4 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Normal Operations   Tank (Any)   Produced Water   Released: 56 BBL   Recovered: 55 BBL   Lost: 1 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)	Full release was within a lined facility.

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QUESTIONS, Page 2

Action 527248

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 527248
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
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: Jacob Laird Title: Environmental Engineer Email: jacob.laird@conocophillips.com Date: 11/17/2025
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QUESTIONS, Page 3

Action 527248

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 527248
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Site Characterization</b>	
<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.
<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	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.

<b>Remediation Plan</b>	
<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 527248

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 527248
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	None	11/18/2025

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QUESTIONS

Action 535727

**QUESTIONS**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 535727
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2531953879
Incident Name	NAPP2531953879 DEER STALKER FED 5C CTB @ FAPP2135130523
Incident Type	Release Other
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2135130523] Deerstalker Fed 5 C CTB RB

Location of Release Source	
Site Name	Deer Stalker Fed 5C CTB
Date Release Discovered	11/15/2025
Surface Owner	Private

Liner Inspection Event Information	
Please answer all the questions in this group.	
What is the liner inspection surface area in square feet	8,479
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	12/23/2025
Time liner inspection will commence	08:30 AM
Please provide any information necessary for observers to liner inspection	Jacob Laird 575-703-5482
Please provide any information necessary for navigation to liner inspection site	32.16395556, -103.39100833

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CONDITIONS

Action 535727

CONDITIONS




Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 535727
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
jlaire	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	12/17/2025

## Appendix B: Photolog

## Photographic Log

<p><b>Facility:</b> Deer Stalker Federal 5C CTB</p> <p><b>County:</b> Lea County, New Mexico</p> <p><b>Description:</b> Facility Sign</p>	<p>Date &amp; Time: Tue, Dec 23, 2025 at 08:31:16 MST Position: 4382.13°N 109.890093°W 12.916 Altitude: 8930ft 6-958ft Camera: 3038-69 Zoom: 0.5X Elevation Angle: 32.72° Horizon Angle: 100.7° Zoom: 0.5X Deer Stalker Federal 5C</p> 
<p><b>Facility:</b> Deer Stalker Federal 5C CTB</p> <p><b>County:</b> Lea County, New Mexico</p> <p><b>Description:</b> Original release photo from 11/15/2025</p>	
<p><b>Facility:</b> Deer Stalker Federal 5C CTB</p> <p><b>County:</b> Lea County, New Mexico</p> <p><b>Description:</b> Original release photo from 11/15/2025</p>	



**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

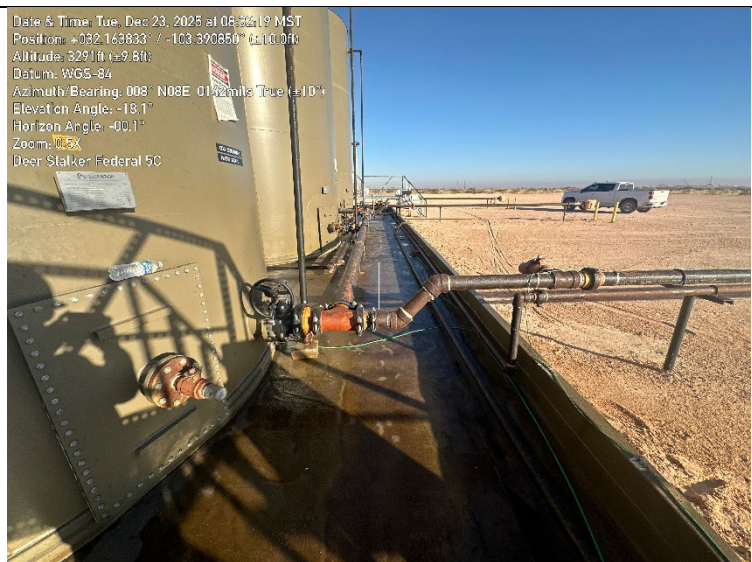
**Description:** Original release photo from 11/15/2025



**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

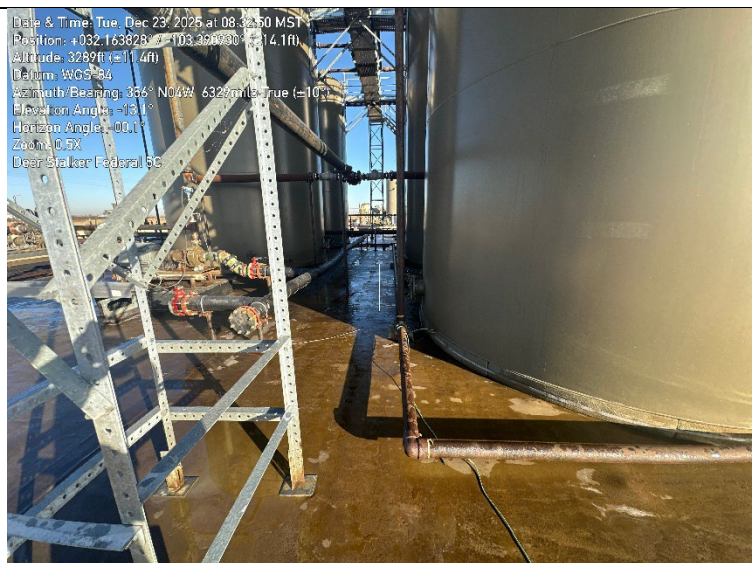
**Description:** View facing North. Lined area East of production tanks. (Fluid in containment is residual from pressure washing activities.)



**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing North. Lined area between production tanks. (Fluid in containment is residual from pressure washing activities.)



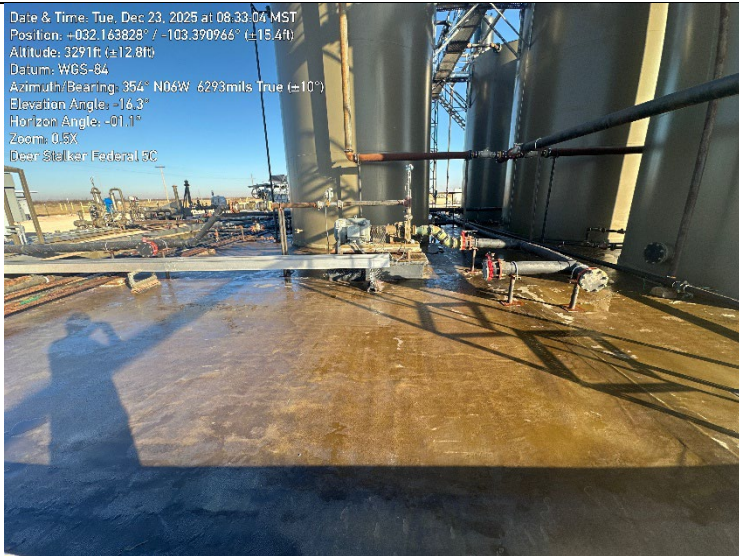


**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing North. Lined area South of production tanks. (Fluid in containment is residual from pressure washing activities.)

Date & Time: Tue, Dec 23, 2025 at 08:33:04 MST  
Position: +032.163828° / -103.390966° (±15.4ft)  
Altitude: 3291ft (±12.8ft)  
Datum: WGS-84  
Azimuth/Bearing: 354° N06W 6293mils True (±10°)  
Elevation Angle: +16.3°  
Horizon Angle: -01.1°  
Zoom: 0.5X  
Deer Stalker Federal 5C

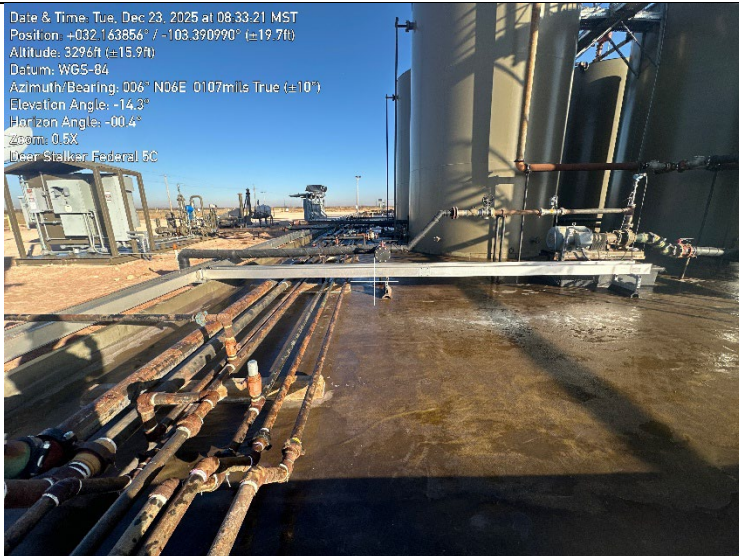


**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing North. Lined area West of production tanks and production piping. (Fluid in containment is residual from pressure washing activities.)

Date & Time: Tue, Dec 23, 2025 at 08:33:21 MST  
Position: +032.163856° / -103.390920° (±19.7ft)  
Altitude: 3296ft (±15.9ft)  
Datum: WGS-84  
Azimuth/Bearing: 006° N06E 0107mils True (±10°)  
Elevation Angle: +14.3°  
Horizon Angle: -00.4°  
Zoom: 0.5X  
Deer Stalker Federal 5C



**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing North. Lined area East of production tanks. (Fluid in containment is residual from pressure washing activities.)

Date & Time: Tue, Dec 23, 2025 at 08:33:51 MST  
Position: +032.163892° / -103.390920° (±15.1ft)  
Altitude: 3292ft (±12.8ft)  
Datum: WGS-84  
Azimuth/Bearing: 353° N07W 6276mils True (±10°)  
Elevation Angle: +18.0°  
Horizon Angle: -00.2°  
Zoom: 0.5X  
Deer Stalker Federal 5C



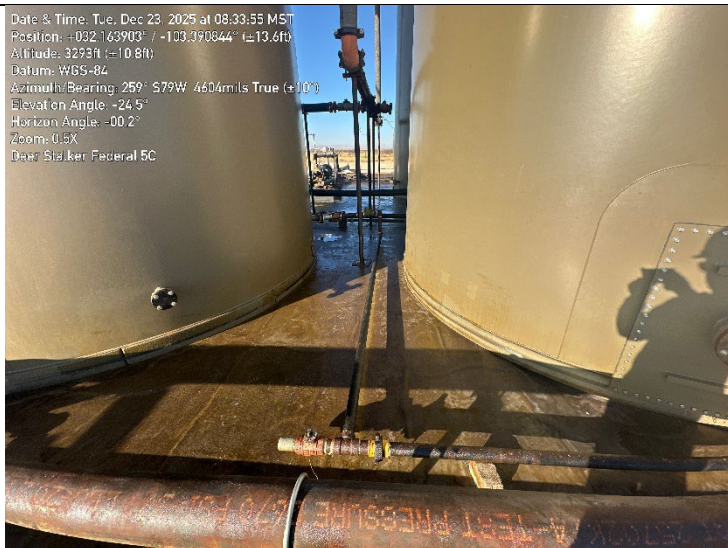


**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing West. Lined area between production tanks. (Fluid in containment is residual from pressure washing activities.)

Date & Time: Tue, Dec 23, 2025 at 08:33:55 MST  
Position: +032.143903° / -103.390844° (±13.6ft)  
Altitude: 3293ft (±10.6ft)  
Datum: WGS-84  
Azimuth/Bearing: 259° S79°W 4604mils True (±10°)  
Elevation Angle: -24.5°  
Horizon Angle: -00.2°  
Zoom: 0.5X  
Deer Stalker Federal 5C

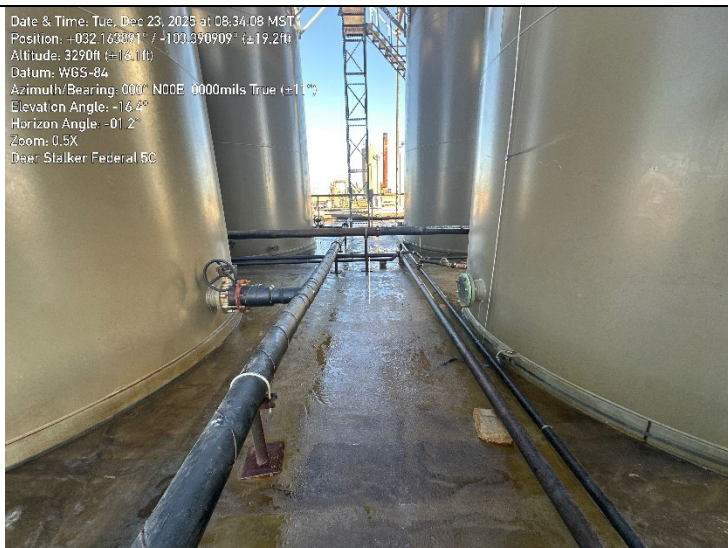


**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing North. Lined area between production tanks. (Fluid in containment is residual from pressure washing activities.)

Date & Time: Tue, Dec 23, 2025 at 08:34:08 MST  
Position: +032.143884° / -103.390909° (±19.2ft)  
Altitude: 3290ft (±18.1ft)  
Datum: WGS-84  
Azimuth/Bearing: 000° N00E 0000mils True (±1.0°)  
Elevation Angle: -16.4°  
Horizon Angle: -01.2°  
Zoom: 0.5X  
Deer Stalker Federal 5C



**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing North. Lined area West of production tanks and production piping. (Fluid in containment is residual from pressure washing activities.)

Date & Time: Tue, Dec 23, 2025 at 08:34:26 MST  
Position: +032.143885° / -103.391006° (±18.6ft)  
Altitude: 3295ft (±15.1ft)  
Datum: WGS-84  
Azimuth/Bearing: 009° N09E 0160mils True (±10°)  
Elevation Angle: -12.1°  
Horizon Angle: -00.0°  
Zoom: 0.5X  
Deer Stalker Federal 5C

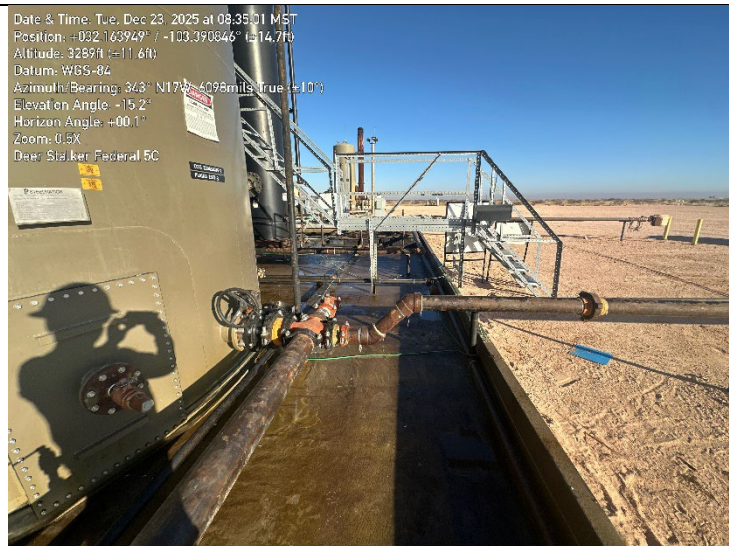




**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing North. Lined area East of production tanks. (Fluid in containment is residual from pressure washing activities.)



**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing North. Lined area between production tanks. (Fluid in containment is residual from pressure washing activities.)



**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing North. Lined area between production tanks. (Fluid in containment is residual from pressure washing activities.)





**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing North. Lined area West of production tanks and production piping. (Fluid in containment is residual from pressure washing activities.)

Date & Time: Tue, Dec 23, 2025 at 08:35:39 MST  
 Position: +032.143960° / +103.391008° (+13.7ft)  
 Altitude: 3300ft (+11.1ft)  
 Datum: WGS-84  
 Azimuth/Bearing: 0.17° N17E 0302mils True (+13°)  
 Elevation Angle: +12.7°  
 Horizon Angle: +00.3°  
 Zoom: 0.5X  
 Deer Stalker Federal 5C



**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing Northwest. Lined area near production equipment. (Fluid in containment is residual from pressure washing activities.)

Date & Time: Tue, Dec 23, 2025 at 08:36:05 MST  
 Position: +032.144026° / +103.390856° (+13.8ft)  
 Altitude: 3293ft (+11.0ft)  
 Datum: WGS-84  
 Azimuth/Bearing: 320° N40W 5689mils True (+10°)  
 Elevation Angle: +21.8°  
 Horizon Angle: +03.6°  
 Zoom: 0.5X  
 Deer Stalker Federal 5C



**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing North. Lined area North of production tanks. (Fluid in containment is residual from pressure washing activities.)

Date & Time: Tue, Dec 23, 2025 at 08:36:19 MST  
 Position: +032.144031° / +103.390920° (+17.6ft)  
 Altitude: 3291ft (+14.7ft)  
 Datum: WGS-84  
 Azimuth/Bearing: 0.12° N12E 0213mils True (+13°)  
 Elevation Angle: +20.4°  
 Horizon Angle: +00.8°  
 Zoom: 0.5X  
 Deer Stalker Federal 5C





**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing North. Lined area near production piping. (Fluid in containment is residual from pressure washing activities.)

Date & Time: Tue, Dec 23, 2025 at 08:36:31 MST  
Position: +032 164037° / +103.391014° (±18.0ft)  
Altitude: 3294ft (±14.7ft)  
Datum: WGS-84  
Azimuth/Bearing: 0.0° N10E 0178mils True (±11°)  
Elevation Angle: -16.3°  
Horizon Angle: +00.0°  
Zoom: 0.6X  
Deer Stalker Federal 5C



**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing North. Lined area near production piping. (Fluid in containment is residual from pressure washing activities.)

Date & Time: Tue, Dec 23, 2025 at 08:37:11 MST  
Position: +032 164082° / +103.391009° (±17.6ft)  
Altitude: 3267ft (±19.0ft)  
Datum: WGS-84  
Azimuth/Bearing: 0.04° N04E 0071mils True (±13°)  
Elevation Angle: -14.0°  
Horizon Angle: +00.6°  
Zoom: 0.6X  
Deer Stalker Federal 5C



**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing North. Lined area near of production piping. (Fluid in containment is residual from pressure washing activities.)

Date & Time: Tue, Dec 23, 2025 at 08:37:49 MST  
Position: +032 164168° / +103.390996° (±20.7ft)  
Altitude: 3291ft (±9.9ft)  
Datum: WGS-84  
Azimuth/Bearing: 340° N00W 6400mils True (±10°)  
Elevation Angle: -13.7°  
Horizon Angle: +00.2°  
Zoom: 0.6X  
Deer Stalker Federal 5C





**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing North. Lined area near production equipment. (Fluid in containment is residual from pressure washing activities.)



**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

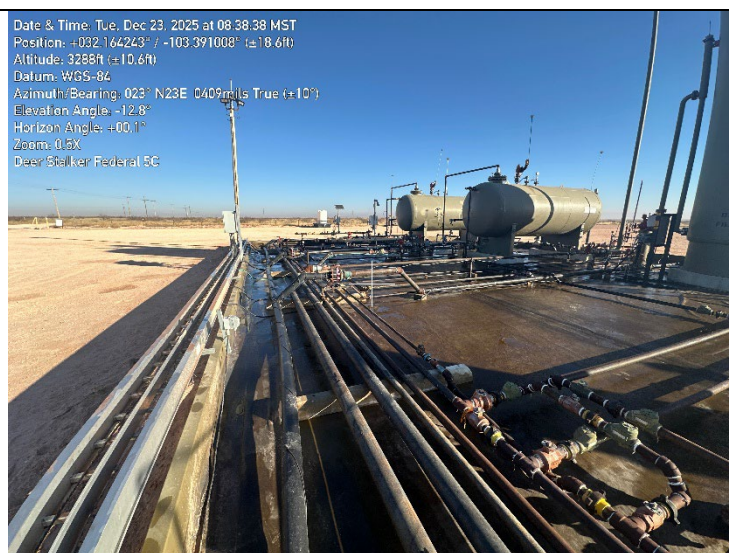
**Description:** View facing North. Lined area near production equipment and piping. (Fluid in containment is residual from pressure washing activities.)



**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing North/Northwest. Lined area near production equipment. (Fluid in containment is residual from pressure washing activities.)





**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing North. Lined area near production equipment. (Fluid in containment is residual from pressure washing activities.)



**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

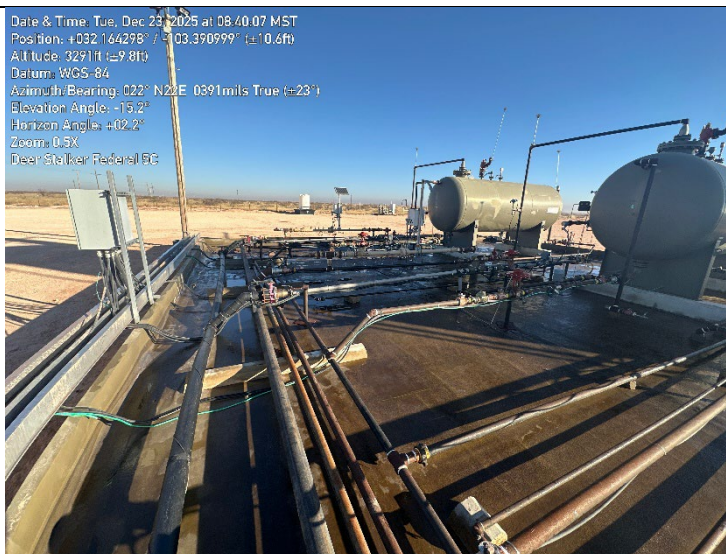
**Description:** View facing Northeast. Lined area near production equipment. (Fluid in containment is residual from pressure washing activities.)



**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing North/Northeast. Lined area near production equipment. (Fluid in containment is residual from pressure washing activities.)





**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing East. Lined area near production equipment and piping. (Fluid in containment is residual from pressure washing activities.)

Date & Time: Tue, Dec 23, 2025 at 08:40:49 MST  
Position: +032.164344° / -103.391029° (±16.7ft)  
Altitude: 3288ft (±9.8ft)  
Datum: WGS-84  
Azimuth/Bearing: 083° N83E 1476mils True (±10°)  
Elevation Angle: -19.0°  
Horizon Angle: -00.9°  
Zoom: 0.5X  
Deer Stalker Federal 5C

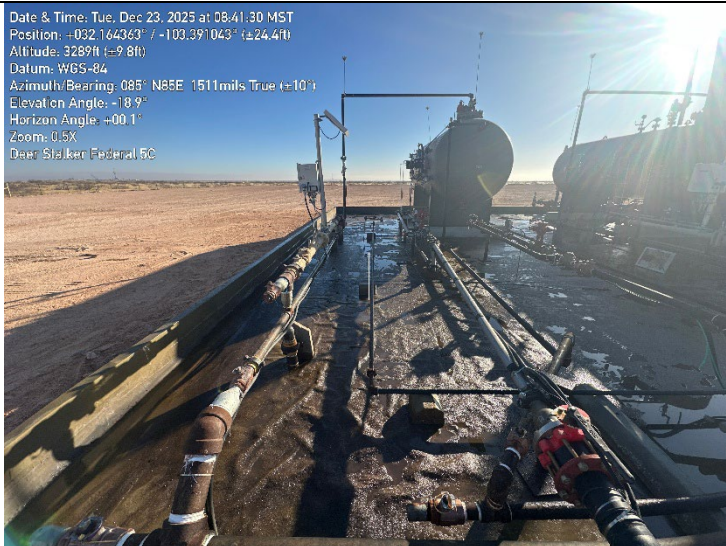


**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing East. Lined area near production equipment and piping. (Fluid in containment is residual from pressure washing activities.)

Date & Time: Tue, Dec 23, 2025 at 08:41:30 MST  
Position: +032.164343° / -103.391043° (±24.4ft)  
Altitude: 3289ft (±9.8ft)  
Datum: WGS-84  
Azimuth/Bearing: 085° N85E 1511mils True (±10°)  
Elevation Angle: -18.9°  
Horizon Angle: +00.1°  
Zoom: 0.5X  
Deer Stalker Federal 5C



**Facility:** Deer Stalker Federal 5C CTB

**County:** Lea County, New Mexico

**Description:** View facing South. Lined area near production equipment. (Fluid in containment is residual from pressure washing activities.)

Date & Time: Tue, Dec 23, 2025 at 08:42:11 MST  
Position: +032.164378° / -103.350899° (±24.8ft)  
Altitude: 3295ft (±10.8ft)  
Datum: WGS-84  
Azimuth/Bearing: 102° S12W 3413mils True (±10°)  
Elevation Angle: -17.4°  
Horizon Angle: +01.6°  
Zoom: 0.5X  
Deer Stalker Federal 5C



## Appendix C: Site Characterization and Ground Water



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is closed) (quarters are smallest to largest)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance (meters)	Well Depth (In feet)	Depth Water	Water Column
<a href="#">C 02388</a>		CUB	LE					SW 05	25S 35E	651467.0	3558832.0 *		944	180	165	15

Average Depth to Water: 165 feet

Minimum Depth: 165 feet

Maximum Depth: 165 feet

Record Count: 1

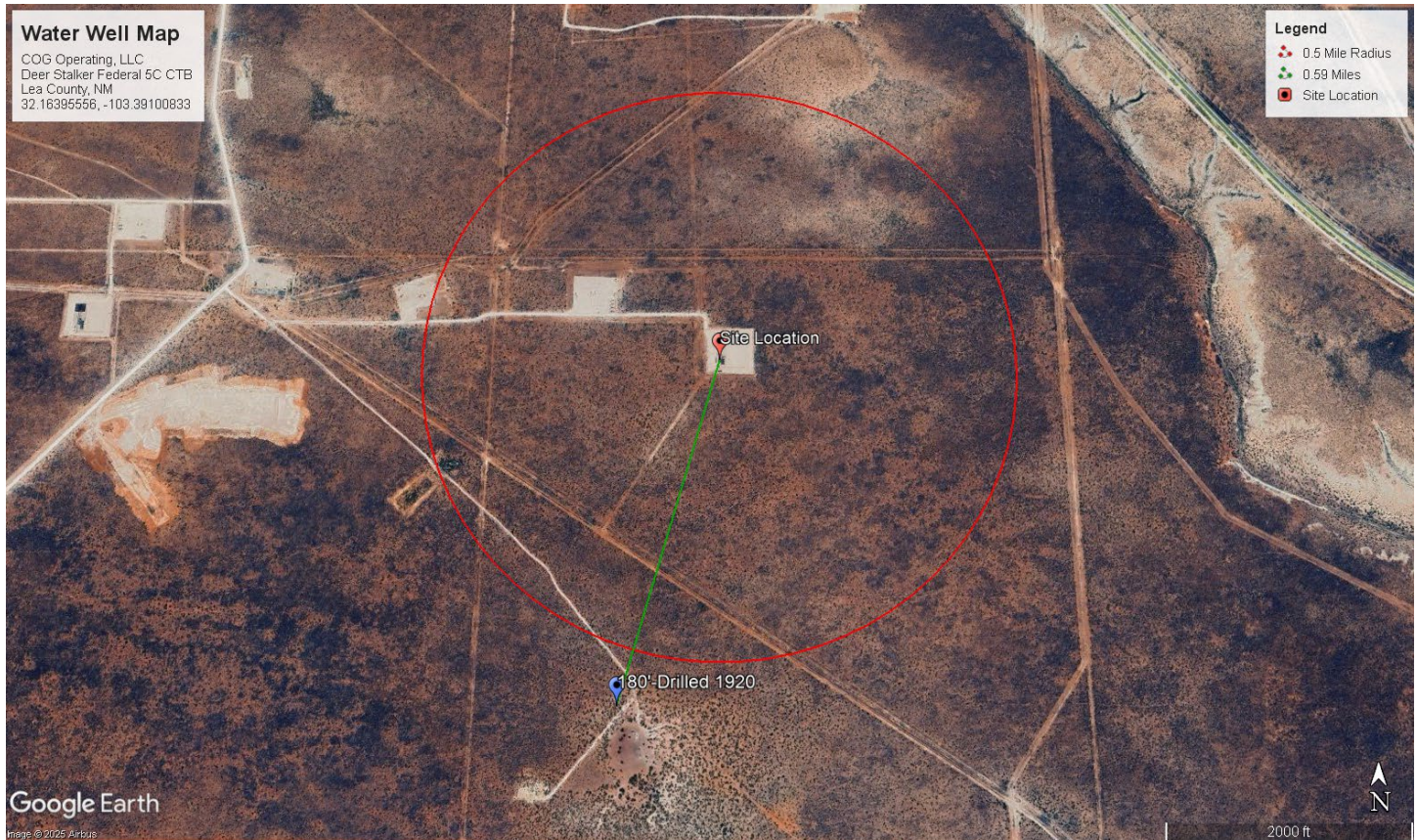
Basin/County Search:  
County: LE

UTM Filters (in meters):  
Easting: 651715.54  
Northing: 3559743.42  
Radius: 1000

\* UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.





## Neatest Water Well Map

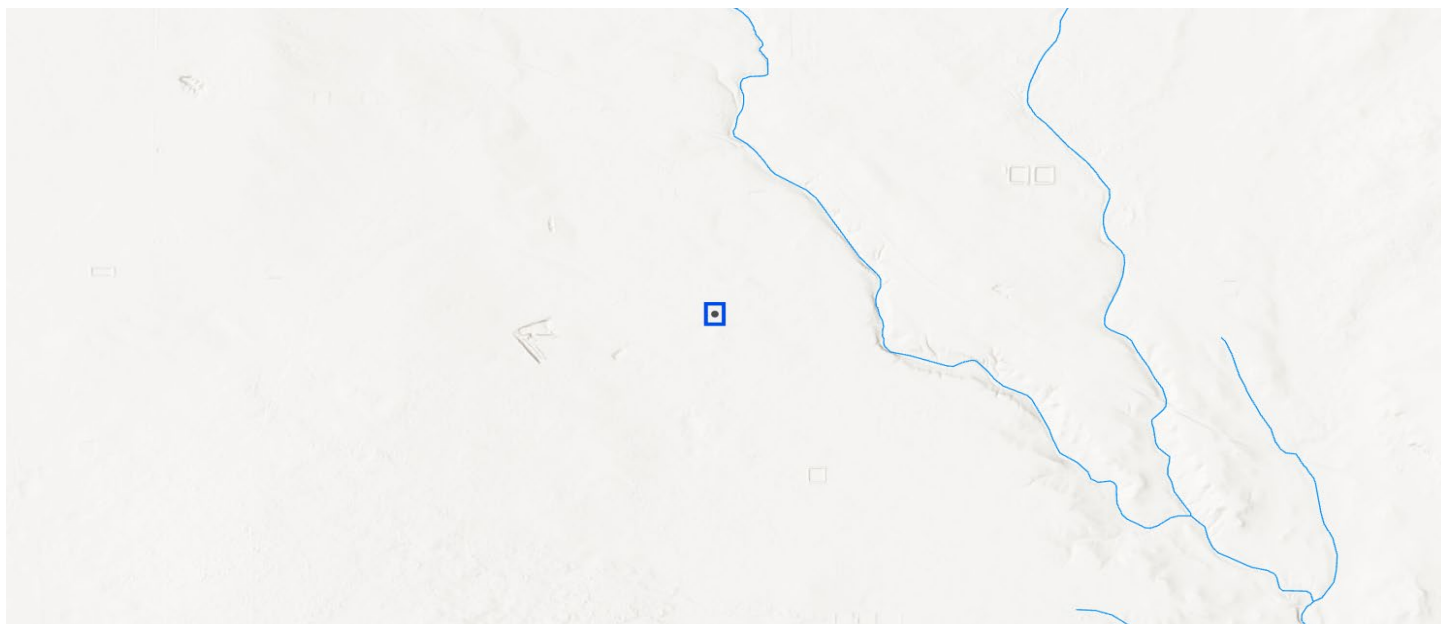
COG Operating, LLC  
Deer Stalker Federal 5C CTB  
Lea County, New Mexico  
32.165694, -103.394728





## Karst Map

COG Operating, LLC  
Deer Stalker Federal 5C CTB  
Lea County, New Mexico  
32.165694, -103.394728



## Hydrology Map

COG Operating, LLC  
Deer Stalker Federal 5C CTB  
Lea County, New Mexico  
32.16395556, -103.39100833



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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 540073

**QUESTIONS**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 540073
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2531953879
Incident Name	NAPP2531953879 DEER STALKER FED 5C CTB @ FAPP2135130523
Incident Type	Release Other
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2135130523] Deerstalker Fed 5 C CTB RB

**Location of Release Source**

Please answer all the questions in this group.

Site Name	Deer Stalker Fed 5C CTB
Date Release Discovered	11/15/2025
Surface Owner	Private

**Incident Details**

Please answer all the questions in this group.

Incident Type	Release Other
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	Cause: Normal Operations   Tank (Any)   Crude Oil   Released: 4 BBL   Recovered: 4 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Normal Operations   Tank (Any)   Produced Water   Released: 56 BBL   Recovered: 55 BBL   Lost: 1 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)	Full release was within a lined facility.

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QUESTIONS, Page 2

Action 540073

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 540073
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
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: Jacob Laird Title: Environmental Engineer Email: jacob.laird@conocophillips.com Date: 01/05/2026
--	---

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QUESTIONS, Page 3

Action 540073

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 540073
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Site Characterization</b>	
<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 100 and 500 (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 ½ and 1 (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 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 ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

<b>Remediation Plan</b>	
<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	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	Yes
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	12/23/2025
On what date will (or did) the final sampling or liner inspection occur	12/23/2025
On what date will (or was) the remediation complete(d)	12/23/2025
What is the estimated surface area (in square feet) that will be remediated	8479
What is the estimated volume (in cubic yards) that will be remediated	0
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<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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QUESTIONS, Page 4

Action 540073

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 540073
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<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>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
Is (or was) there affected material present needing to be removed	Yes
Is (or was) there a power wash of the lined containment area (to be) performed	Yes
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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: Jacob Laird Title: Environmental Engineer Email: <a href="mailto:jacob.laird@conocophillips.com">jacob.laird@conocophillips.com</a> Date: 01/05/2026
<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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QUESTIONS, Page 6

Action 540073

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 540073
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Liner Inspection Information</b>	
Last liner inspection notification (C-141L) recorded	535727
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	12/23/2025
Was all the impacted materials removed from the liner	Yes
What was the liner inspection surface area in square feet	8479

<b>Remediation Closure Request</b>	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	Yes
What was the total surface area (in square feet) remediated	8479
What was the total volume (cubic yards) remediated	0
Summarize any additional remediation activities not included by answers (above)	NA
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Jacob Laird Title: Environmental Engineer Email: jacob.laird@conocophillips.com Date: 01/05/2026

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Santa Fe, NM 87505

CONDITIONS

Action 540073

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 540073
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #nAPP2531953879 Deer Stalker Fed 5C CTB, thank you. This Remediation Closure Report is approved.	1/13/2026