

Spill Calculation - On-Pad Surface Pool Spill

*Received by OCD: 10/14/2025 8:48:55 AM**Page 1 of 38*

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.)
Rectangle A	20	25	0.5	500.00	3.71	0.00	3.72
Rectangle B	20	25	2.0	500.00	14.83	0.01	14.96
Rectangle C	20	18	3.0	360.00	16.02	0.01	16.22
Rectangle D	20	25	2.0	500.00	14.83	0.01	14.96
Rectangle E	18	15	0.5	270.00	2.00	0.00	2.01
Rectangle F				0.00	0.00	0.00	0.00
Rectangle G				0.00	0.00	0.00	0.00
Rectangle H				0.00	0.00	0.00	0.00
Rectangle I				0.00	0.00	0.00	0.00
Rectangle J				0.00	0.00	0.00	0.00

Released to Imaging: 10/15/2025 3:45:12 PM

Total Volume Release, Soil not impacted:

49.2640



October 8, 2025

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
Gettysburg State 3H
Incident Number nAPP2524033727
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 Gettysburg State 3H (Site) following the release of produced water 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 nAPP2524033727.

SITE DESCRIPTION AND RELEASE SUMMARY

The site is located in Unit B, Section 16, Township 23 South, Range 34 East, in Lea County, New Mexico (32.31155556, -103.47366111) and is associated with oil and gas exploration and production operations on private land owned by Limestone Basin Ranch.

On August 28, 2025, field personnel discovered a leak on a water dump on the free water knockout causing forty-nine point two six four zero (49.2640) barrels of produced water to be released into a lined containment. A vacuum truck was dispatched to the site to recover free-standing fluids and approximately forty-seven (47) barrels of fluid were recovered. The free water knockout was isolated to prevent fluid being further released. COG reported the release to the New Mexico Oil Conservation Division (NMOCD) and Limestone Basin Ranch on a *Release Notification Form C-141* (Form C-141) on August 28, 2025. The release was assigned Incident Number nAPP2524033727.

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 two known water sources within a 0.50-mile radius of the location. The closest well is located approximately 0.1 miles Southwest of the Site in Unit Letter B, S16, T23S, R34E and was drilled in 2022. The well has a reported depth to groundwater of 290' 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: 2,500 mg/kg (GRO + DRO + MRO).
- Chloride: 20,000 mg/kg.

LINER INTEGRITY INSPECTION ACTIVITIES

A 48-hour advance notice of the liner inspection was submitted to the NMOCD on October 6, 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 October 8, 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 nAPP2524033727.

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
Gettysburg State 3H
Lea County, New Mexico
32.31155556, -103.47366111



Topographical Map

COG Operating, LLC
Gettysburg State 3H
Lea County, New Mexico
32.31155556, -103.47366111



Secondary Containment Map

COG Operating, LLC
Gettysburg State 3H
Lea County, New Mexico
32.31155556, -103.47366111

Appendix A: NMOCD Correspondence

Spill Calculation - On-Pad Surface Pool Spill

*Received by OCD: 10/14/2025 8:48:55AM**Page 10 of 38*

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Released to Imaging: 10/15/2025 3:45:12PM

Total Volume Release, Soil not impacted:

49.2640

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 504128

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 504128
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2524033727
Incident Name	NAPP2524033727 GETTYSBURG STATE 3H @ 30-025-40916
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Well	[30-025-40916] GETTYSBURG STATE COM #003H
Incident Facility	[fAPP2203550562] Gettysburg St 3H Battery

Location of Release Source

Please answer all the questions in this group.

Site Name	Gettysburg State 3H
Date Release Discovered	08/28/2025
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 Separator Produced Water Released: 49 BBL Recovered: 47 BBL Lost: 2 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)	Not answered.

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QUESTIONS, Page 2

Action 504128

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 504128
	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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 09/09/2025
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QUESTIONS, Page 3

Action 504128

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 504128
	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)	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 504128

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 504128
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	9/9/2025

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QUESTIONS

Action 512257

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 512257
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2524033727
Incident Name	NAPP2524033727 GETTYSBURG STATE 3H @ 30-025-40916
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-40916] GETTYSBURG STATE COM #003H
Incident Facility	[fAPP2203550562] Gettysburg St 3H Battery

Location of Release Source	
Site Name	Gettysburg State 3H
Date Release Discovered	08/28/2025
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	2,845
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	10/08/2025
Time liner inspection will commence	10:00 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	32.31155278, -103.42365833

Appendix B: Photolog

Photographic Log

Facility: Gettysburg State Com 3H County: Lea County, New Mexico Description: Facility Sign	Date & Time: Wed, Oct 08, 2025 11:00:01 MDT Position: -103.311499° / -103.473315° / 32.950 Altitude: 7418ft / 2268ft Datum: WGS-84 Azimuth Bearing: 000° NOE 0000mils True 0.0m Elevation Angle: -08.0° Horizon Angle: 02.0° Zoom: 0.5X Gettysburg State Com 3H 
Facility: Gettysburg State Com 3H County: Lea County, New Mexico Description: Original release photo	
Facility: Gettysburg State Com 3H County: Lea County, New Mexico Description: Original release photo	

Facility: Gettysburg State Com 3H

County: Lea County, New Mexico

Description: Original release photo



Facility: Gettysburg State Com 3H

County: Lea County, New Mexico

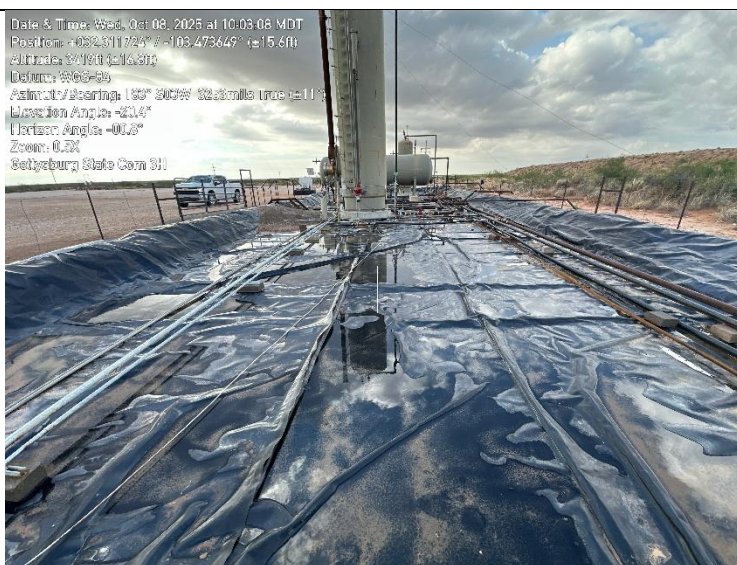
Description: View facing South. Lined area to the North of production equipment. (Fluid in containment is rainwater from the previous night)



Facility: Gettysburg State Com 3H

County: Lea County, New Mexico

Description: View facing South. Lined area to the North of production equipment. (Fluid in containment is rainwater from the previous night)



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County: Lea County, New Mexico

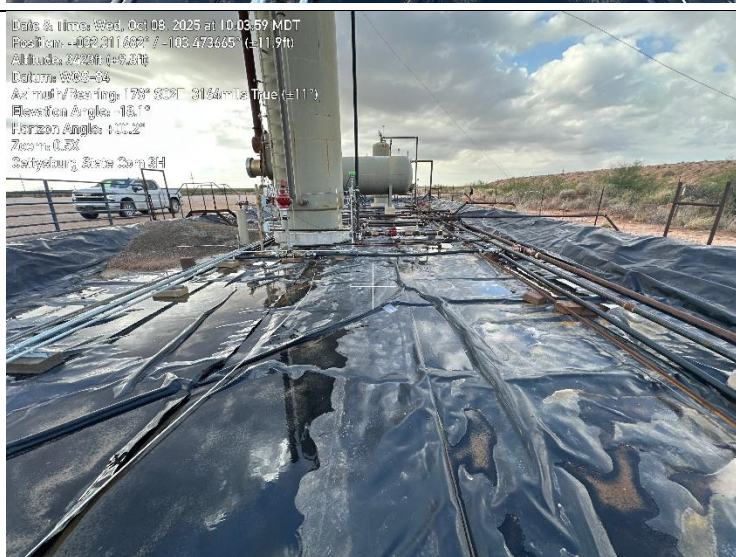
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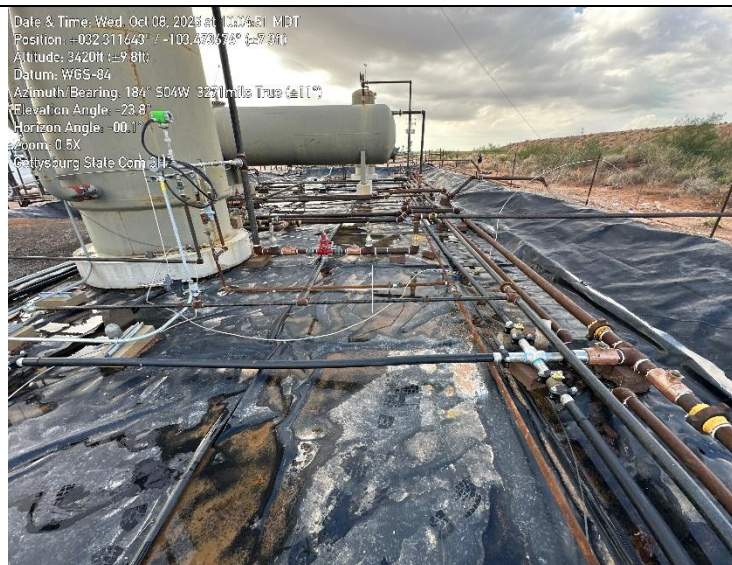
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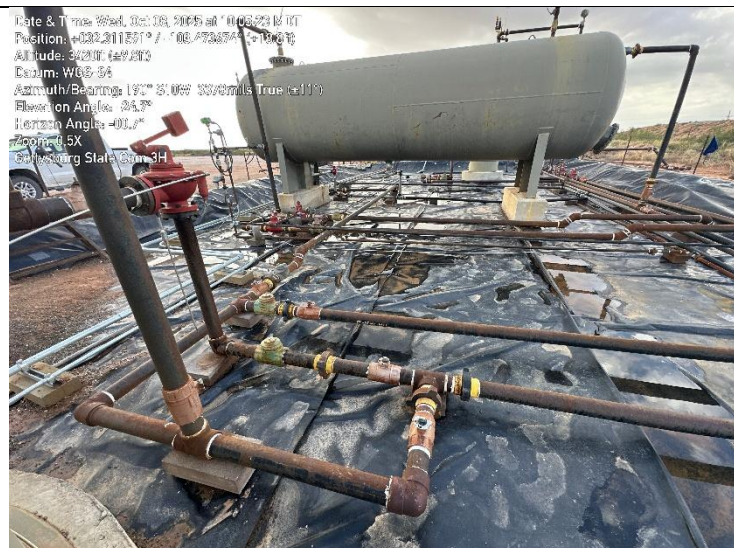
Description: View facing South. Lined area to the near production equipment and piping. (Fluid in containment is rainwater from the previous night)



Facility: Gettysburg State Com 3H

County: Lea County, New Mexico

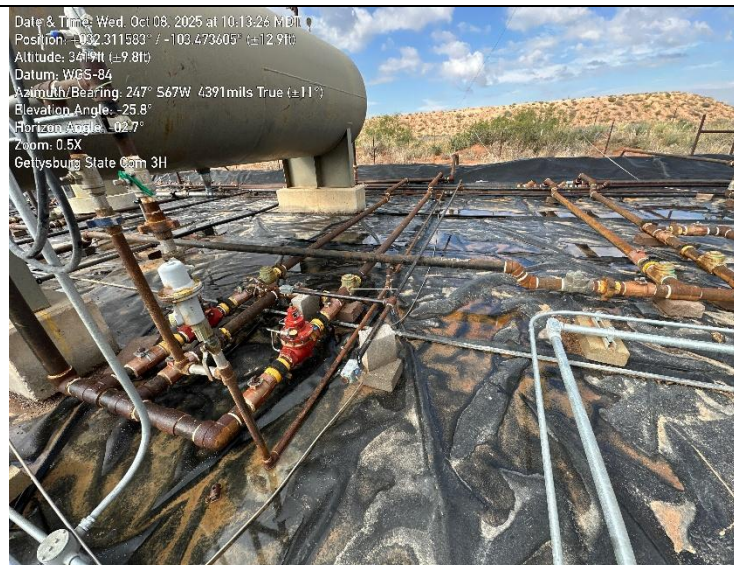
Description: View facing South/Southeast. Lined area to the near production equipment and piping. (Fluid in containment is rainwater from the previous night)



Facility: Gettysburg State Com 3H

County: Lea County, New Mexico

Description: View facing South/Southwest. Lined area to the near production equipment and piping. (Fluid in containment is rainwater from the previous night)



Facility: Gettysburg State Com 3H

County: Lea County, New Mexico

Description: View facing South. Lined area to the near production equipment and piping. (Fluid in containment is rainwater from the previous night)



Facility: Gettysburg State Com 3H

County: Lea County, New Mexico

Description: View facing South. Lined area to the near production equipment and piping. (Fluid in containment is rainwater from the previous night)



Facility: Gettysburg State Com 3H

County: Lea County, New Mexico

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County: Lea County, New Mexico

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Facility: Gettysburg State Com 3H

County: Lea County, New Mexico

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County: Lea County, New Mexico

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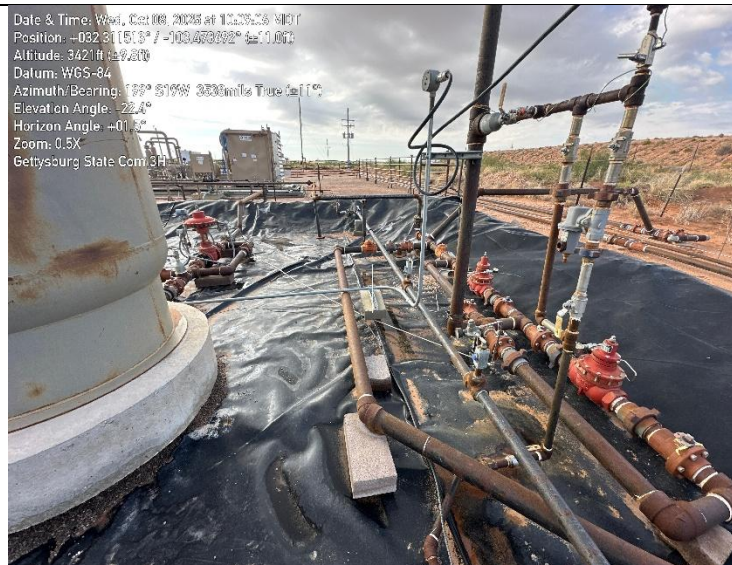
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County: Lea County, New Mexico

Description: View facing South. Lined area to the near production equipment and piping. (Fluid in containment is rainwater from the previous night)



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
CP 01760 POD1		CP	LE	SW	NW	NE	16	23S	34E	643627.4	3575897.6		113	767	290	477
CP 01730 POD1		CP	LE	NE	NE	NW	16	23S	34E	643549.2	3575824.7		218	594	200	394

Average Depth to Water: 245 feet

Minimum Depth: 200 feet

Maximum Depth: 290 feet

Record Count: 2

Basin/County Search:

County: LE

UTM Filters (in meters):

Easting: 643688.58

Northing: 3575993.35

Radius: 805

* 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.



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

001 07 APR 5 2020 * - 12

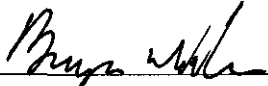
1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) CP-1760-POD1		WELL TAG ID NO.		OSE FILE NO(S)			
	WELL OWNER NAME(S) LIMESTONE BASIN PROPERTIES RANCH, LLC				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 3300 N A STREET, BLDG 1, STE 220				CITY MIDLAND	STATE TX	ZIP 79705	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 18	SECONDS 38.527 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
	LONGITUDE 103	28	27.572 W	* DATUM REQUIRED: WGS 84				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD1706		NAME OF LICENSED DRILLER Bryce Wallace			NAME OF WELL DRILLING COMPANY Elite Drillers Corporation		
	DRILLING STARTED 02/01/20		DRILLING ENDED 03/15/20		DEPTH OF COMPLETED WELL (FT) 767	BORE HOLE DEPTH (FT) 1370	DEPTH WATER FIRST ENCOUNTERED (FT) 290	
	COMPLETED WELL IS: ☒ ARTESIAN ☐ DRY HOLE ☐ SHALLOW (UNCONFINED)						STATIC WATER LEVEL IN COMPLETED WELL (FT) 302	
	DRILLING FLUID: ☐ AIR ☒ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	20	20	ASTM53 GRADE B	WELDED	15.5	.25	
	0	567	14.75	ASTM53 GRADE B	WELDED	8.125	.337	
	567	767	14.75	SDR17 PVC SCREEN	SPLINE	7.6	.51	.032
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	565	14.75	PORTLAND I/II CEMENT (see attached cement report)	(see cement report)	Tremie		
	565	767	14.75	8/16 SILICA SAND	160	Tremie		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	CP-1760	POD NO.	1	TRN NO.	663947
LOCATION	235.34E. 16.213			WELL TAG ID NO.	PAGE 1 OF 2

03101 APR 9 2020 00:11:17

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	20	20	RED SAND	Y ✓ N	
	20	50	30	RED SANDY CALICHE	Y ✓ N	
	50	135	85	RED SAND/SANDSTONE	Y ✓ N	
	135	270	135	RED/TAN SANDSTONE W/ CLAY STRINGERS	Y ✓ N	
	270	285	15	TAN CLAY	Y ✓ N	
	285	320	35	RED/TAN SANDSTONE	✓ Y N	
	320	350	30	TAN SANDSTONE/CLAY	✓ Y N	
	350	445	95	RED/TAN SANDSTONE	✓ Y N	
	445	495	50	RED SANDSTONE/CLAY	✓ Y N	
	495	530	35	RED CLAY/GRAVEL	✓ Y N	
	530	555	25	RED SANDSTONE	✓ Y N	
	555	570	15	RED CLAY/SANDSTONE	✓ Y N	11.00
	570	585	15	RED/TAN SANDSTONE	✓ Y N	12.00
	585	600	15	RED CLAY	✓ Y N	11.00
	600	630	30	RED/BROWN CLAY	✓ Y N	12.00
	630	660	30	RED CLAY/RED SANDSTONE	✓ Y N	11.00
	660	710	50	RED SANSTONE	✓ Y N	12.00
	710	750	40	BROWN/RED/GREENISH CLAY FRAGMENTS	✓ Y N	11.00
	750	1330	580	DARK BROWN/RED CLAY & SILTSTONE	Y ✓ N	
	1330	1370	40	WHITE LIMESTONE/ANHYDRITE	Y ✓ N	
					Y ✓ N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: ☐ PUMP ☒ AIR LIFT ☐ BAILER ☐ OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 80.00	
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: PLEASE SEE ATTACHED CEMENT REPORT FOR ARTESIAN CEMENT DETAILS PLUGGED WELL BACK FROM 1370' TO 760' WITH 270 CUBIC FEET PORTLAND V CEMENT VIA TRIMIE METHOD					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:					
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:  SIGNATURE OF DRILLER / PRINT SIGNEE NAME Bryce Wallace DATE					

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO. CP-1760	POD NO. 1	TRN NO. 463947
LOCATION 235.34E.16.213	WELL TAG ID NO.	PAGE 2 OF 2

Cement Report for CP-1760

DSE DT APR 9 2020 PM 1:13

On February 20, 2020, following well casing installation, a zone within the alluvial formation was found to have squeezed in on well casing. This area caused problems during drilling of the borehole and would generally require rotation of the drill rod across this zone to trip in or out of the borehole while the remainder of the borehole was clear. Despite efforts to clear this zone, even under pressure, the alluvial formation bridge remained. Rather than risk collapse of hole, cementing proceeded to ensure isolation of the Santa Rosa formation.

The filter pack was applied to approximately 565 ft. The theoretical volume of cement required in the 14.75 inch borehole with 8.625 inch casing from 565 ft to ground surface is 3,302 gallons of cement or 441.4 cu ft, or 16.34 cu yds.

The following is the sequence of the installation of the cement seal:

Feb 21st Pump 3 sacks Portland Type I/II cement (94 lb sack). Water use 5.5 gal per sack.

Feb 22nd Pump 31.5 sacks cement. Water use 5.5 gal per sack. Pressured up on pumping unit (Approx. 450 psi) indicating base of formation squeeze had been encountered during cementing

Feb 22nd Pump 10 cu yds or 270 cu ft cement (truck from Lea County Cement Co) from depth of 355 ft to surface

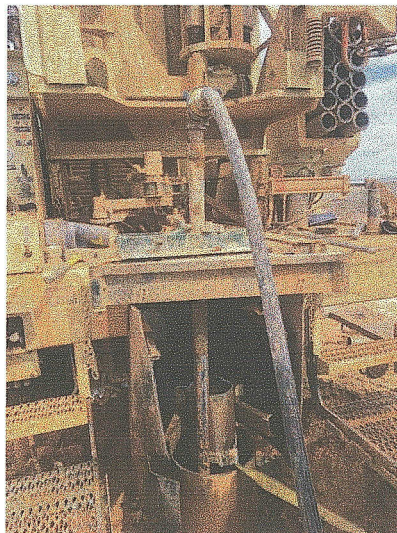
Feb 22nd Pump 9 sacks cement to top off. Water used 5.5 gal per sack

From Haliburton Cement tables a 94 lb sack of cement yields 1.18 cu ft.

Total sacks used: 43.5 sacks or 51.3 cu ft

Total cu ft cement used = 270+51.3 = ~ 321 cu ft

Due to formation squeezing in on casing within a segment of the alluvium, the actual amount used is approximately 120 cu ft less than had the hole remained a consistent 14.75 inches in diameter for the entire 565 ft.





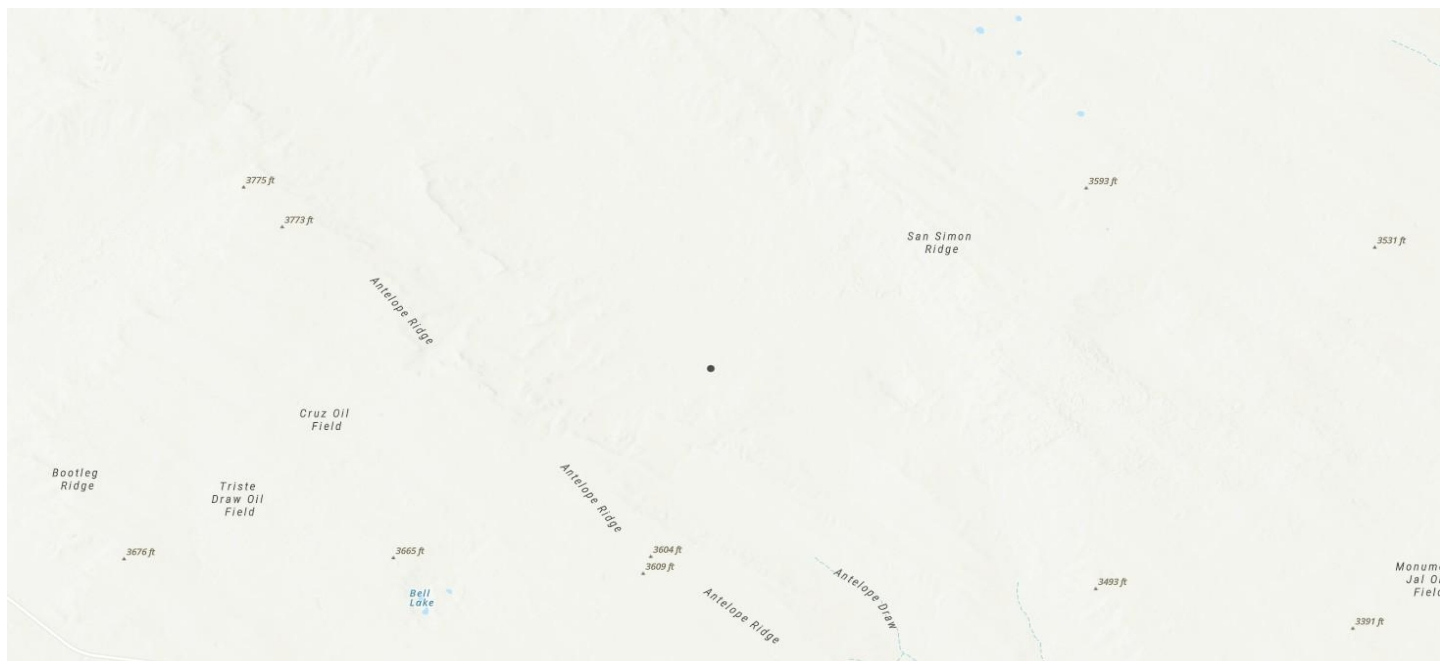
Neatest Water Well Map

COG Operating, LLC
Gettysburg State 3H
Lea County, New Mexico
32.31155556, -103.47366111



Karst Map

COG Operating, LLC
Gettysburg State 3H
Lea County, New Mexico
32.31155556, -103.47366111



Hydrology Map

COG Operating, LLC
Gettysburg State 3H
Lea County, New Mexico
32.31155556, -103.47366111

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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 514933

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 514933
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2524033727
Incident Name	NAPP2524033727 GETTYSBURG STATE 3H @ 30-025-40916
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-40916] GETTYSBURG STATE COM #003H
Incident Facility	[fAPP2203550562] Gettysburg St 3H Battery

Location of Release Source

Please answer all the questions in this group.

Site Name	Gettysburg State 3H
Date Release Discovered	08/28/2025
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 Separator Produced Water Released: 49 BBL Recovered: 47 BBL Lost: 2 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)	Not answered.

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QUESTIONS, Page 2

Action 514933

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 514933
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 10/14/2025
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QUESTIONS, Page 3

Action 514933

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	514933
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

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 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
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 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	Greater than 5 (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (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	Greater than 5 (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	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	10/08/2025
On what date will (or did) the final sampling or liner inspection occur	10/08/2025
On what date will (or was) the remediation complete(d)	10/08/2025
What is the estimated surface area (in square feet) that will be remediated	2845
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 514933

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 514933
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<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>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<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)	No
<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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 10/14/2025
<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 514933

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 514933
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Liner Inspection Information	
Last liner inspection notification (C-141L) recorded	512257
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	10/08/2025
Was all the impacted materials removed from the liner	Yes
What was the liner inspection surface area in square feet	2845

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

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	2845
What was the total volume (cubic yards) remediated	0
Summarize any additional remediation activities not included by answers (above)	Liner integrity inspection activities were conducted following a release of produced water within a lined containment at the Site. Upon inspection, no rips, tears, holes, or damage was observed, and the liner was determined to be sufficient. The release was contained laterally by the lined containment and the liner was performing as designed.

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 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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 10/14/2025
--	---

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CONDITIONS

Action 514933

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 514933
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Liner inspection approved, release resolved. Restoration complete.	10/15/2025