

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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.	
Printed Name: _____	Title: _____
Signature: <u>Patricia Zapanta</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: _____	Date: _____

Spill Calculation - On-Pad Surface Pool Spill

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	54	105	0.5	5670.00	42.05	0.00	42.14	20%	8.43	33.71
Rectangle B				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle C				0.00	0.00	0.00	0.00		0.00	0.00
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:

40.0331

8.0066

32.0265



SITE INFORMATION

Closure Report
Solution Federal Com 3H (01.30.2024)
Incident #: NAPP2403051892
Eddy County, New Mexico
Unit B Sec 5 T20S R30E
32.6089°, -103.9951°

Crude Oil and Produced Water Release
Point of Release: Over Pressured Heater Treater due to Equipment Malfunction
Release Date: 01.30.2024
Volume Released: 8 Barrels of Crude oil & 32 Barrels of Produced Water
Volume Recovered: 8 Barrels of Crude oil & 32 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Concho Operating, LLC
15 West London Road
Loving, New Mexico 88256

Prepared by:
Carmona Resources, LLC
310 West Wall Street
Suite 500
Midland, Texas 79701

310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992



TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT ACTIVITIES

5.0 CONCLUSIONS

FIGURES

FIGURE 1 OVERVIEW FIGURE 2 TOPOGRAPHIC

FIGURE 3 SECONDARY CONTAINMENT MAP

APPENDICES

APPENDIX A INITIAL AND FINAL C-141

APPENDIX B SITE CHARACTERIZATION AND GROUNDWATER

APPENDIX C PHOTOLOG

May 6, 2024

Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
Artesia, NM 88210

**Re: Closure Report
Solution Federal Com 3H (01.30.2024)
COG Operating, LLC
Site Location: Unit C, S5, T20S, R30E
(Lat 32.6089°, Long -103.9951°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Solution Federal Com 3H. The site is located at 32.6089°, -103.9951° within Unit C, S5, T20S, R30E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on January 30, 2024, from an overpressure heater treater due to equipment malfunction. This released eight (8) barrels of crude oil and thirty-two (32) barrels of produced water. All fluid was contained to the falcon-lined containment with a recovery of eight (8) barrels of crude oil and thirty-two (32) barrels of produced water. See Figure 3. The initial C-141 form is attached in Appendix A.

2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The closest well is approximately 1.17 miles Southeast of the site in S4, T20S, R30E and was drilled in 1981. The well has a reported depth to groundwater of 60' feet below the ground surface (ft bgs). A copy of the associated point of diversion is attached in Appendix C.

3.0 NMAC Regulatory Criteria

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.



4.0 Site Assessment Activities

On April 18, 2024, Carmona Resources, LLC conducted liner inspection activities to assess the liner's integrity within the facility. Before performing the liner inspection, the NMOCD division office was notified via the NMOCD web portal on April 15, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix B. Before Carmona Resources conducted the liner inspection, all the free-standing liquid was removed, and power washed from the facility. Carmona Resources, LLC personnel inspected the liner visually and determined it to be intact with no integrity issues. Refer to the Photolog.

5.0 Conclusions

Based on the upheld facility integrity, no further actions are required at the site. The final C-141 is attached, and COG formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES

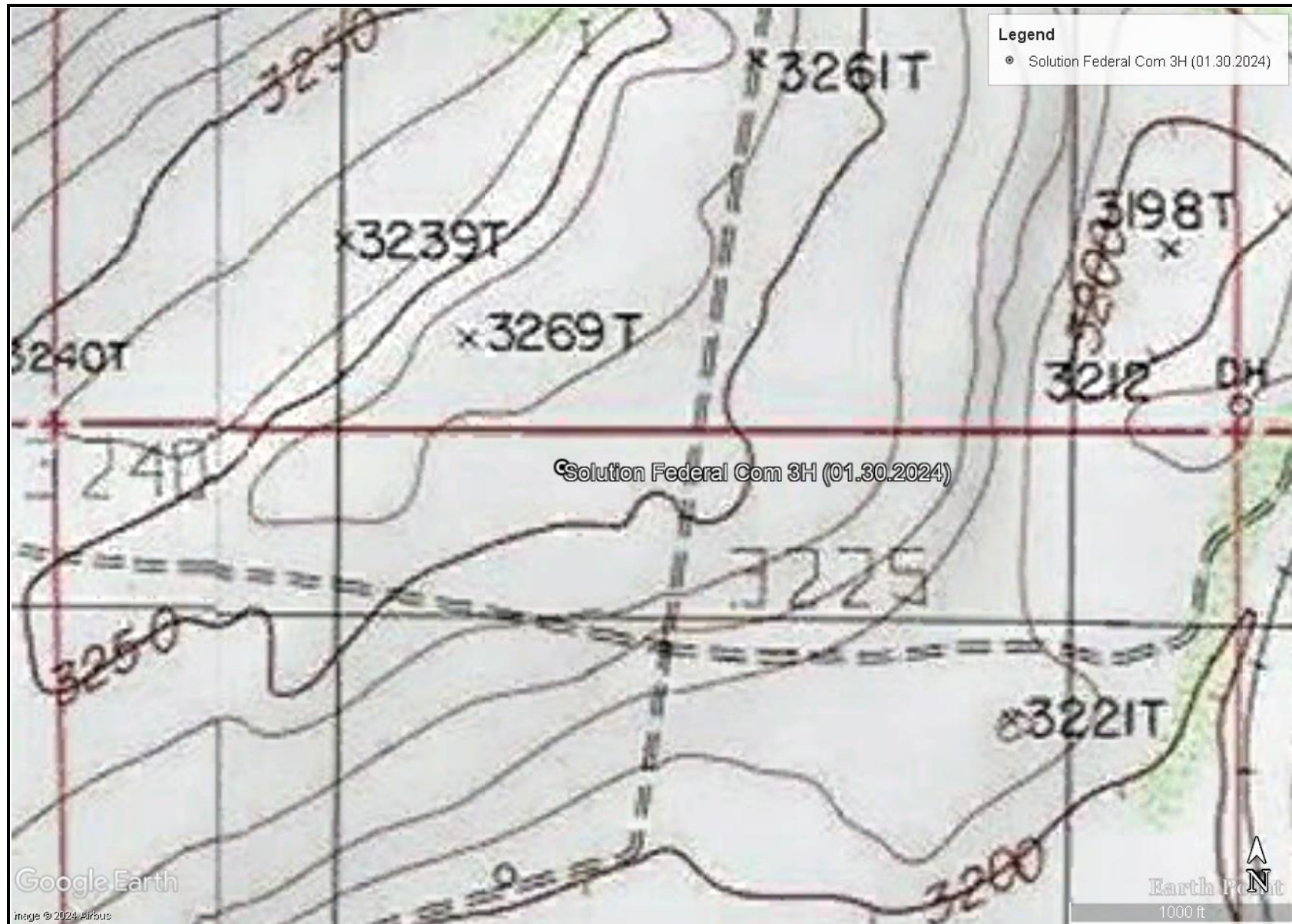




OVERVIEW MAP
 COG OPERATING, LLC
 SOLUTION FEDERAL COM 3H (01.30.2024)
 EDDY COUNTY, NEW MEXICO
 32.6089°, -103.9951°



FIGURE 1



TOPOGRAPHIC MAP
 COG OPERATING, LLC
 SOLUTION FEDERAL COM 3H (01.30.2024)
 EDDY COUNTY, NEW MEXICO
 32.6089°, -103.9951°



FIGURE 2



APPENDIX A

CARMONA RESOURCES



PHOTOGRAPHIC LOG

COG Operating

Photograph No. 1

Facility: Solution Federal Com 3H
(01.30.2024)

County: Eddy County, New Mexico

Description:
View East of the facility sign.



Photograph No. 2

Facility: Solution Federal Com 3H
(01.30.2024)

County: Eddy County, New Mexico

Description:
View East of the lined containment.



Photograph No. 3

Facility: Solution Federal Com 3H
(01.30.2024)

County: Eddy County, New Mexico

Description:
View Southeast of the lined containment.



PHOTOGRAPHIC LOG

COG Operating

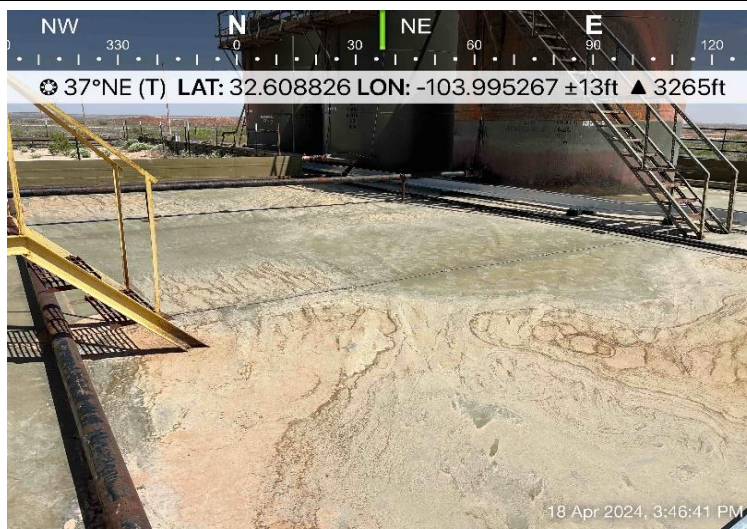
Photograph No. 4

Facility: Solution Federal Com 3H
(01.30.2024)

County: Eddy County, New Mexico

Description:

View Northeast of the lined containment.



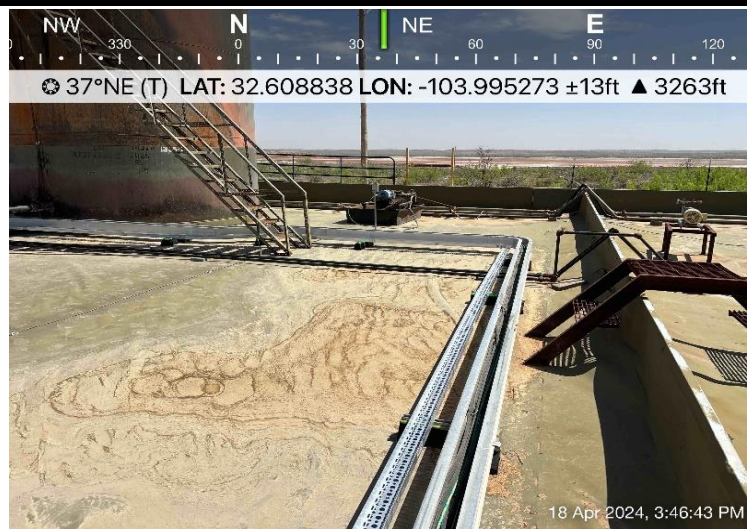
Photograph No. 5

Facility: Solution Federal Com 3H
(01.30.2024)

County: Eddy County, New Mexico

Description:

View Northeast of the lined containment.



Photograph No. 6

Facility: Solution Federal Com 3H
(01.30.2024)

County: Eddy County, New Mexico

Description:

View South of the lined containment.



PHOTOGRAPHIC LOG

COG Operating

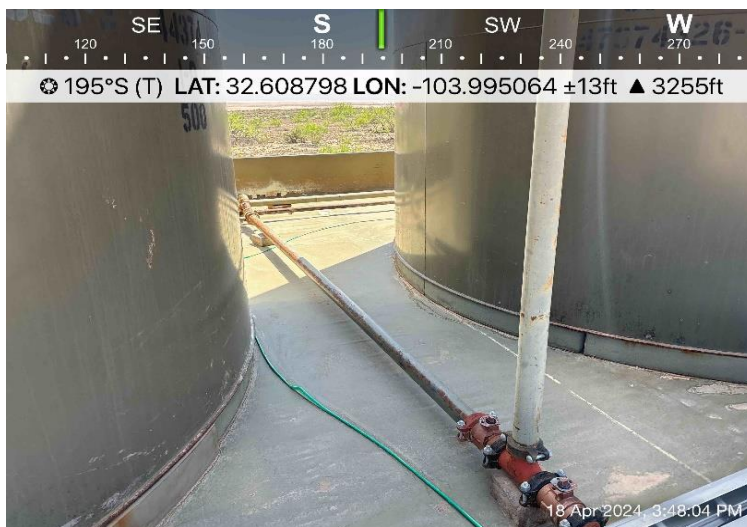
Photograph No. 7

Facility: Solution Federal Com 3H
(01.30.2024)

County: Eddy County, New Mexico

Description:

View South of the lined containment.



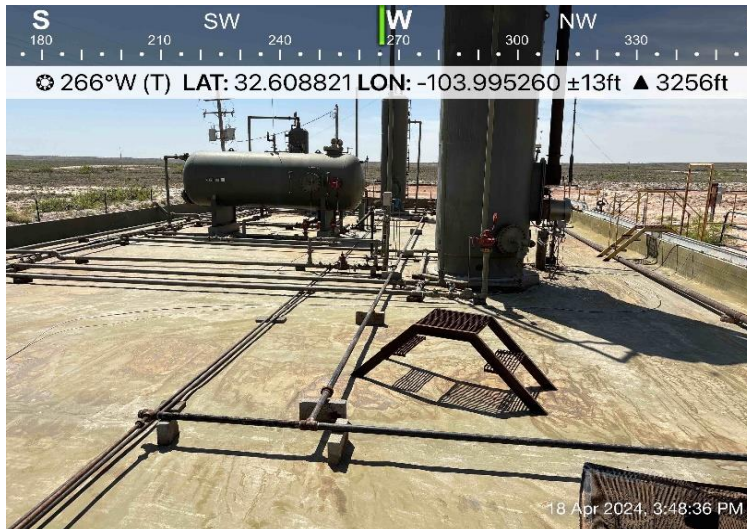
Photograph No. 8

Facility: Solution Federal Com 3H
(01.30.2024)

County: Eddy County, New Mexico

Description:

View West of the lined containment.



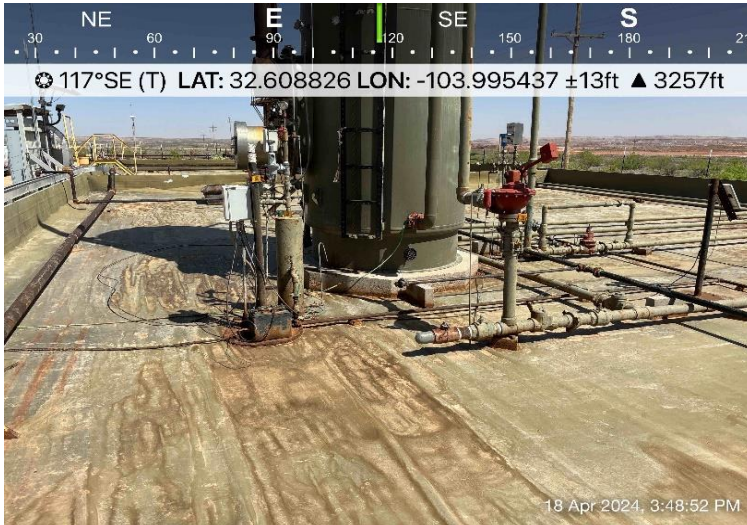
Photograph No. 9

Facility: Solution Federal Com 3H
(01.30.2024)

County: Eddy County, New Mexico

Description:

View Southeast of the lined containment.



PHOTOGRAPHIC LOG

COG Operating

Photograph No. 10

Facility: Solution Federal Com 3H
(01.30.2024)

County: Eddy County, New Mexico

Description:

View East of the lined containment.



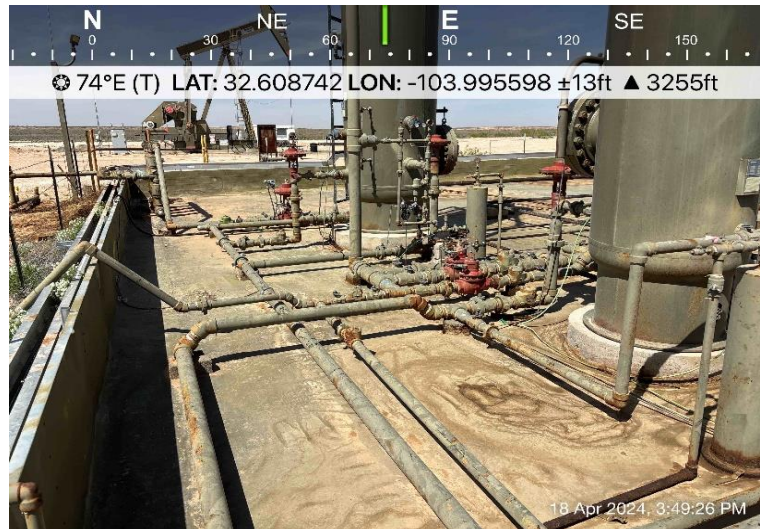
Photograph No. 11

Facility: Solution Federal Com 3H
(01.30.2024)

County: Eddy County, New Mexico

Description:

View East of the lined containment.



APPENDIX B

CARMONA RESOURCES



District I
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Phone:(575) 393-6161 Fax:(575) 393-0720
District II
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 309564

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 309564
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	Solution Federal Com 3H
Date Release Discovered	01/30/2024
Surface Owner	Federal

Incident Details <i>Please answer all the questions in this group.</i>	
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 <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: Other Other (Specify) Crude Oil Released: 8 BBL Recovered: 8 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Other Other (Specify) Produced Water Released: 32 BBL Recovered: 32 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 309564

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 309564
	Action Type: [NOTIFY] Notification Of Release (NOR)

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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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ACKNOWLEDGMENTS

Action 309564

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 309564
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

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CONDITIONS

Action 309564

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 309564
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jacquih	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	1/30/2024

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Santa Fe, NM 87505

QUESTIONS

Action 333516

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 333516
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2403051892
Incident Name	NAPP2403051892 SOLUTION FEDERAL COM 3H @ 30-015-43227
Incident Type	Release Other
Incident Status	Notification Accepted
Incident Well	[30-015-43227] SOLUTION FEDERAL COM #003H

Location of Release Source	
Site Name	Solution Federal Com 3H
Date Release Discovered	01/30/2024
Surface Owner	Federal

Liner Inspection Event Information	
Please answer all the questions in this group.	
What is the liner inspection surface area in square feet	3,530
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	04/18/2024
Time liner inspection will commence	09:30 AM
Please provide any information necessary for observers to liner inspection	Sampler Information: Conner Moerhring (432) 813- 6823
Please provide any information necessary for navigation to liner inspection site	32.6091, -103.9954

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CONDITIONS

Action 333516

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 333516
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
jacquih	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.	4/15/2024

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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 (electronic submittals in .pdf format are preferred) 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.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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.

Printed Name: _____ Title: _____

Signature: Jacqui Harris Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

APPENDIX C

CARMONA RESOURCES



Nearest water well

COG Operating

Legend

- 0.50 Mile Radius
- 1.17 Miles
- 1.18 Miles
- 1.34 Miles
- 1.55 Miles
- NMSEO Water Well
- Solution Federal Com 3H (01.30.2024)
- USGS Water Well

115' - Drilled 1989

Solution Federal Com 3H (01.30.2024)

82' - Drilled 1948

60' - Drilled 1981

24.87' - Drilled 1983





1 mi

High Karst

COG Operating

Legend

-  High
-  Solution Federal Com 3H (01.30.2024)

 Solution Federal Com 3H (01.30.2024)





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 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00644 POD2		CP	LE	1	4	3	04	20S	30E	595689	3607164*	1853	285	60	225
CP 00648 POD1	R	CP	LE	4	3	3	04	20S	30E	595488	3606960*	1856	337	82	255
CP 00648 POD2		CP	ED	4	3	3	04	20S	30E	595488	3606960*	1856	330	75	255
CP 00834 POD1		CP	LE		2	3	06	20S	30E	592566	3607436*	1961	120		
CP 00645 POD2		CP	LE	3	4	3	04	20S	30E	595689	3606964*	1989	296	62	234
CP 00742		CP	ED		3	3	31	19S	30E	592208	3608940	2154	223	115	108
CP 00825 POD1		CP	LE		3	4	28	19S	30E	596164	3610282*	2674	100		
CP 00522		CP	ED			3	30	19S	30E	592347	3610451*	2840	120	90	30
CP 00821 POD1		CP	LE		4	4	25	19S	29E	591743	3610248*	3158	120		
CP 00703 POD1		CP	ED		4	1	36	19S	29E	591050	3609382	3390	225	115	110

Average Depth to Water: **85 feet**

Minimum Depth: **60 feet**

Maximum Depth: **115 feet**

Record Count: 10

UTMNAD83 Radius Search (in meters):

Easting (X): 594287.58

Northing (Y): 3608376.53

Radius: 4000

*UTM location was derived from PLSS - see Help

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4/12/24 7:27 AM


Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)	
		(quarters are smallest to largest)				X	Y
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng
	CP 00644 POD2	1	4	3	04	20S	30E
						595689	3607164* 
Driller License: 46		Driller Company:		ABBOTT BROTHERS COMPANY			
Driller Name: ABBOTT, FLOYD							
Drill Start Date: 11/11/1981		Drill Finish Date:		12/01/1981		Plug Date:	
Log File Date: 01/08/1982		PCW Rcv Date:		01/06/1983		Source: Shallow	
Pump Type:		Pipe Discharge Size:				Estimated Yield: 1200 GPM	
Casing Size: 14.00		Depth Well:		285 feet		Depth Water: 60 feet	
Water Bearing Stratifications:		Top	Bottom	Description			
		68	100	Other/Unknown			
		143	160	Other/Unknown			
		250	285	Other/Unknown			
Casing Perforations:		Top	Bottom				
		155	285				

*UTM location was derived from PLSS - see Help

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POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)								(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y				
	CP 00648 POD1	4	3	3	04	20S	30E	595488	3606960*				
<hr/>													
Driller License:		Driller Company:											
Driller Name:	E. BARRON												
Drill Start Date:		Drill Finish Date:					01/28/1948		Plug Date:				
Log File Date:		PCW Rcv Date:					Source:				Shallow		
Pump Type:	TURBIN	Pipe Discharge Size:					Estimated Yield:				1000 GPM		
Casing Size:		Depth Well:					337 feet		Depth Water:		82 feet		

*UTM location was derived from PLSS - see Help

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POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)					(NAD83 UTM in meters)		
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00742		3	3	31	19S	30E	592208	3608940 
<hr/>									
Driller License:	421	Driller Company:				GLENN'S WATER WELL SERVICE			
Driller Name:	GLENN, CLARK A."CORKY" (LD)								
Drill Start Date:	08/04/1989	Drill Finish Date:				08/04/1989		Plug Date:	
Log File Date:	08/10/1989	PCW Rcv Date:						Source:	Shallow
Pump Type:		Pipe Discharge Size:						Estimated Yield:	150 GPM
Casing Size:	6.63	Depth Well:				223 feet		Depth Water:	115 feet

Water Bearing Stratifications:		Top	Bottom	Description
		165	178	Limestone/Dolomite/Chalk
		181	213	Limestone/Dolomite/Chalk

Casing Perforations:		Top	Bottom
		145	223

Meter Number:		18977	Meter Make:		OCTAVE
Meter Serial Number:		162038182	Meter Multiplier:		1.0000
Number of Dials:		9	Meter Type:		Diversion
Unit of Measure:		Gallons	Return Flow Percent:		
Usage Multiplier:			Reading Frequency:		Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
06/13/2017	2017	11523284	A	RPT	initial reading	0
06/30/2017	2017	12586800	A	RPT		3.264
07/31/2017	2017	12669000	A	RPT		0.252
08/31/2017	2017	14521900	A	RPT		5.686
09/30/2017	2017	15552294	A	RPT		3.162
10/31/2017	2017	16451244	A	RPT		2.759
11/30/2017	2017	16953818	A	RPT		1.542
12/31/2017	2017	17008136	A	RPT		0.167
01/31/2018	2018	17008136	A	RPT		0
02/28/2018	2018	17047236	A	RPT		0.120
03/31/2018	2018	17047236	A	RPT		0
05/31/2018	2018	20986282	A	RPT		12.088
12/31/2018	2018	11266838	A	RPT		0
03/31/2019	2019	11438917	A	RPT		0.528
04/30/2019	2019	12436932	A	RPT		3.063
05/31/2019	2019	13973706	A	RPT		4.716
06/30/2019	2019	15739955	A	RPT		5.420
09/30/2019	2019	21562624	A	RPT		17.869
10/31/2019	2019	21684664	A	RPT		0.375

02/29/2020	2020	22530023	A	RPT	2.594
04/30/2020	2020	23188462	A	RPT	2.021
05/31/2020	2020	23188462	A	RPT	0
08/31/2020	2020	23188462	A	RPT	0
09/30/2020	2020	23188462	A	RPT	0
11/30/2020	2020	23188462	A	WEB	0 X
12/31/2020	2020	23188462	A	WEB	0 X
01/31/2021	2021	23188462	A	ca	0
02/28/2021	2021	23188462	A	RPT	0
04/30/2021	2021	32188462	A	ad	27.620
05/31/2023	2023	25858857	R	ad Meter Rollover	3049.462
06/30/2023	2023	25870859	A	ad	0.037
08/31/2023	2023	28767160	A	ad	8.888
10/31/2023	2023	32516447	A	ad	11.506
11/30/2023	2023	33496847	A	ad	3.009

**YTD Meter Amounts:	Year	Amount
	2017	16.832
	2018	12.208
	2019	31.971
	2020	4.615
	2021	27.620
	2023	3072.902


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4/12/24 7:26 AM

POINT OF DIVERSION SUMMARY

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
				Groundwater	New Mexico	GO	

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Groundwater levels for New Mexico

Click to hide state-specific text

 Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 323540104005601

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 323540104005601 20S.30E.07.11221

Eddy County, New Mexico
Latitude 32°35'40", Longitude 104°00'56" NAD27
Land-surface elevation 3,228 feet above NAVD88
The depth of the well is 42 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source (measur
1965-12-20			D 62610		3203.80	NGVD29	1		Z	
1965-12-20			D 62611		3205.31	NAVD88	1		Z	
1965-12-20			D 72019	22.69			1		Z	
1968-05-27			D 62610		3198.40	NGVD29	1		Z	
1968-05-27			D 62611		3199.91	NAVD88	1		Z	
1968-05-27			D 72019	28.09			1		Z	
1971-02-09			D 62610		3198.99	NGVD29	P		Z	
1971-02-09			D 62611		3200.50	NAVD88	P		Z	
1971-02-09			D 72019	27.50			P		Z	
1977-12-15			D 62610		3199.25	NGVD29	1		Z	
1977-12-15			D 62611		3200.76	NAVD88	1		Z	
1977-12-15			D 72019	27.24			1		Z	
1978-05-23			D 62610		3197.15	NGVD29	P		Z	
1978-05-23			D 62611		3198.66	NAVD88	P		Z	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status
1978-05-23	D	72019	29.34		P	Z	
1978-06-08	D	62610	3197.20	NGVD29	P	Z	
1978-06-08	D	62611	3198.71	NAVD88	P	Z	
1978-06-08	D	72019	29.29		P	Z	
1978-07-18	D	62610	3197.28	NGVD29	P	Z	
1978-07-18	D	62611	3198.79	NAVD88	P	Z	
1978-07-18	D	72019	29.21		P	Z	
1978-08-19	D	62610	3197.04	NGVD29	P	Z	
1978-08-19	D	62611	3198.55	NAVD88	P	Z	
1978-08-19	D	72019	29.45		P	Z	
1978-09-27	D	62610	3197.14	NGVD29	1	Z	
1978-09-27	D	62611	3198.65	NAVD88	1	Z	
1978-09-27	D	72019	29.35		1	Z	
1978-12-14	D	62610	3197.47	NGVD29	P	Z	
1978-12-14	D	62611	3198.98	NAVD88	P	Z	
1978-12-14	D	72019	29.02		P	Z	
1979-01-17	D	62610	3197.72	NGVD29	1	Z	
1979-01-17	D	62611	3199.23	NAVD88	1	Z	
1979-01-17	D	72019	28.77		1	Z	
1979-02-14	D	62610	3197.77	NGVD29	P	Z	
1979-02-14	D	62611	3199.28	NAVD88	P	Z	
1979-02-14	D	72019	28.72		P	Z	
1979-03-15	D	62610	3197.80	NGVD29	P	Z	
1979-03-15	D	62611	3199.31	NAVD88	P	Z	
1979-03-15	D	72019	28.69		P	Z	
1983-01-20	D	62610	3201.62	NGVD29	1	Z	
1983-01-20	D	62611	3203.13	NAVD88	1	Z	
1983-01-20	D	72019	24.87		1	Z	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[Explanation of terms](#)

S N	Date	Time	?	?	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	?
			Water-level date-time accuracy	Parameter code				S

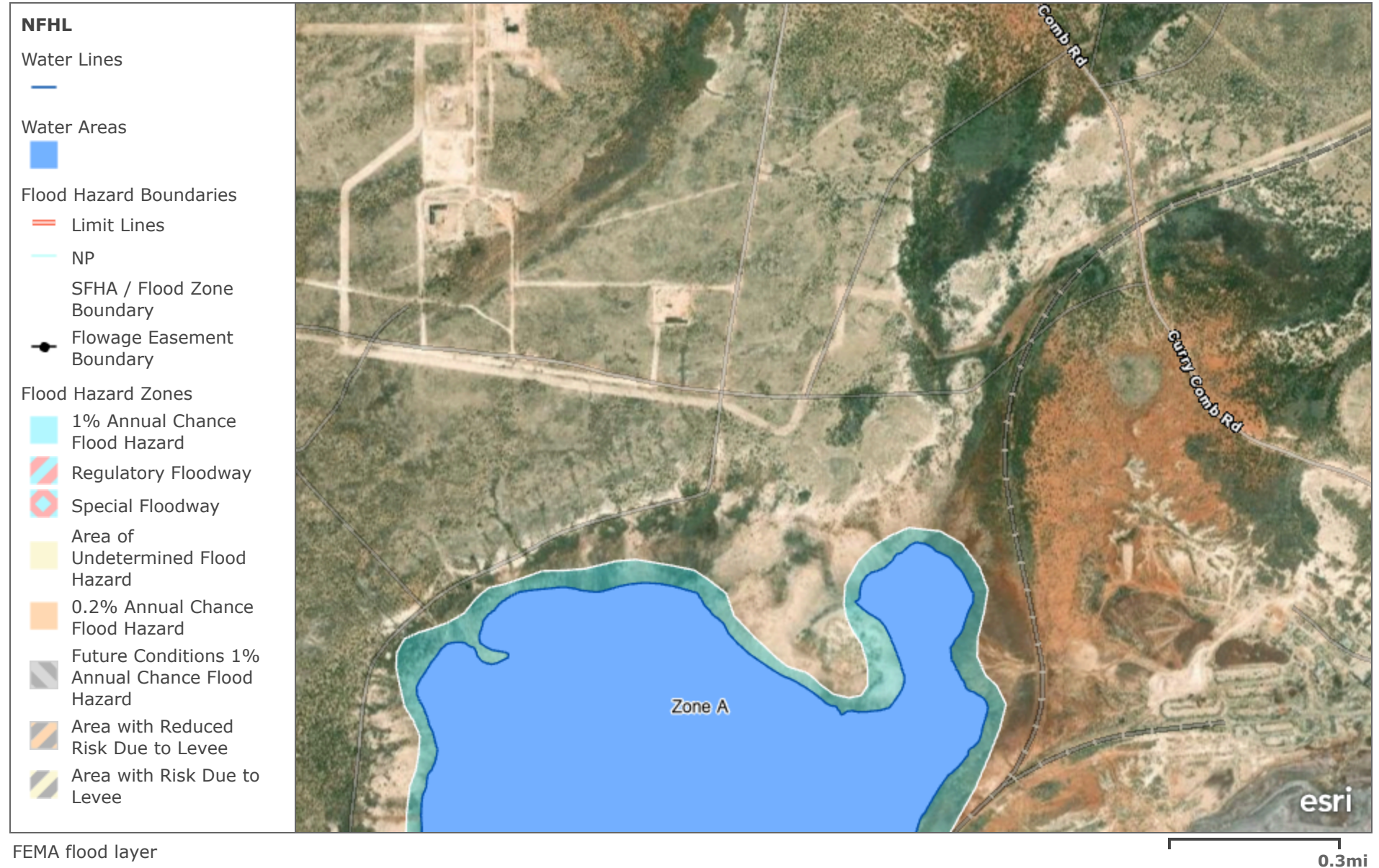
Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2024-04-12 09:32:44 EDT
0.3 0.27 nadww02

FEMA National Flood Hazard Layer (NFHL)



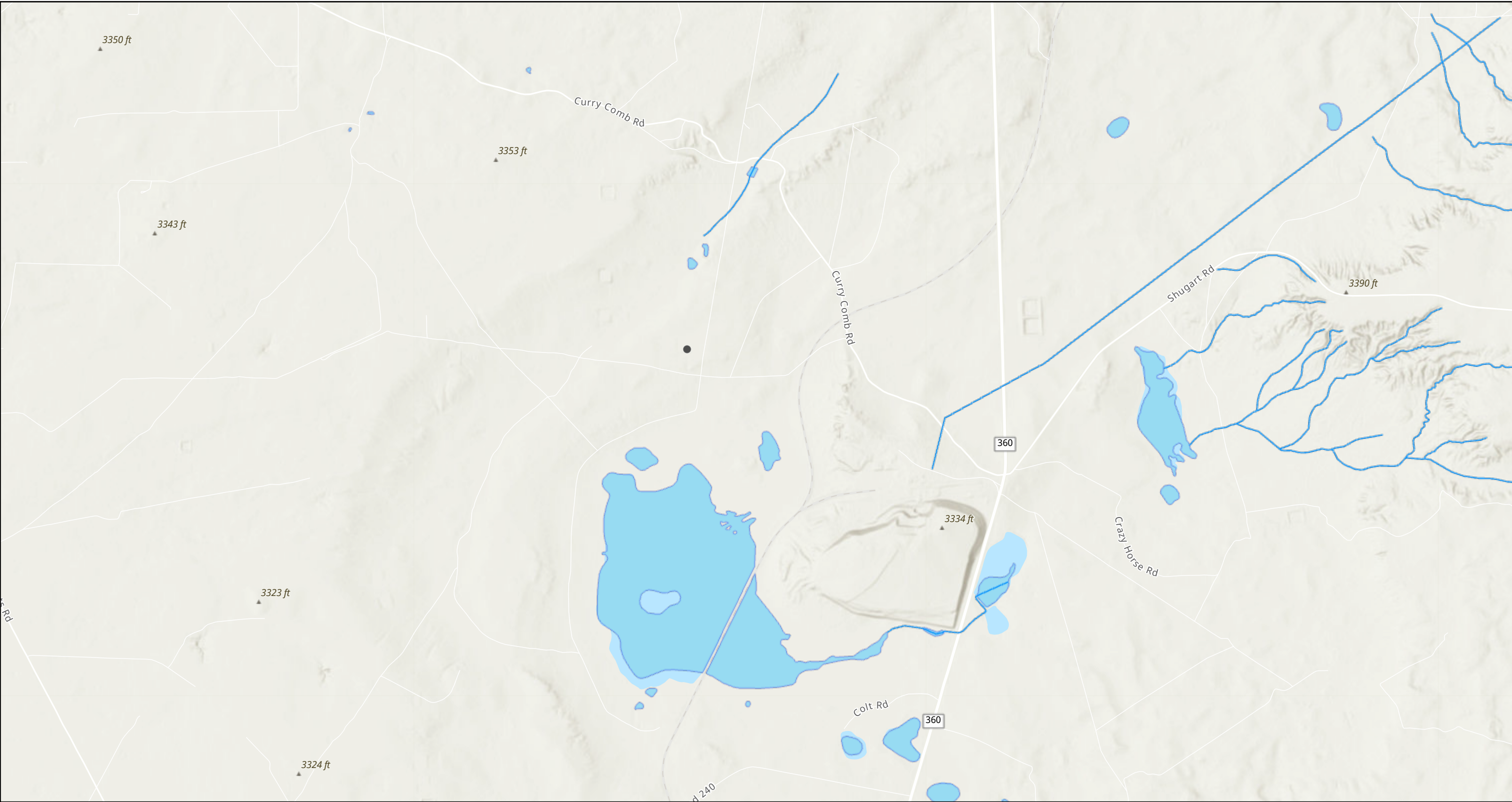
Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA

FEMA National Flood Hazard Layer (NFHL)



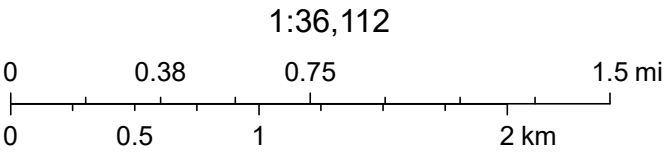
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Solution Federal Com 3H (01.30.2024)



4/12/2024, 8:24:48 AM

- OSW Water Bodys
- OSE Streams



Esri, NASA, NGA, USGS, FEMA, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, NM OSE

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District III
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District IV
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS
Action 344075

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 344075
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2403051892
Incident Name	NAPP2403051892 SOLUTION FEDERAL COM 3H @ 30-015-43227
Incident Type	Release Other
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-43227] SOLUTION FEDERAL COM #003H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Solution Federal Com 3H
Date Release Discovered	01/30/2024
Surface Owner	Federal

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: Other Other (Specify) Crude Oil Released: 8 BBL Recovered: 8 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Other Other (Specify) Produced Water Released: 32 BBL Recovered: 32 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 344075

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	344075
	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: 05/14/2024
--	---

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QUESTIONS, Page 3

Action 344075

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	344075
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (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	Between ½ and 1 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1 and 5 (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	Yes
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.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	Yes
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.	
On what estimated date will the remediation commence	01/30/2024
On what date will (or did) the final sampling or liner inspection occur	04/18/2024
On what date will (or was) the remediation complete(d)	04/18/2024
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0
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.	
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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District II

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Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 4

Action 344075

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	344075
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Remediation Plan (continued)**

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.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

Is (or was) there affected material present needing to be removed	No
Is (or was) there a power wash of the lined containment area (to be) performed	Yes
OTHER (Non-listed remedial process)	No

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 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: 05/14/2024
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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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QUESTIONS, Page 6

Action 344075

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	344075
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Liner Inspection Information	
Last liner inspection notification (C-141L) recorded	333516
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	04/18/2024
Was all the impacted materials removed from the liner	Yes
What was the liner inspection surface area in square feet	3530

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	3530
What was the total volume (cubic yards) remediated	0
Summarize any additional remediation activities not included by answers (above)	Release contained to falcon lined containment, vac truck immediately removed all fluid. Inspected liner, no holes discovered onsite.

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: 05/14/2024
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CONDITIONS

Action 344075

CONDITIONS

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	Action Number: 344075
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	App ID 344075 Liner Inspection approved.	5/20/2024