

CARMONA RESOURCES



## SITE INFORMATION

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**Closure Report**  
**SRO State Com 046H**  
**Incident #: nAPP2416253712**  
**Eddy County, New Mexico**  
**Unit D Sec 05 T26S R28E**  
**32.0782°, -104.1158°**

**Crude Oil Release**  
**Point of Release: Tank Overflow**  
**Release Date: 05.13.24**  
**Volume Released: 9.1225 barrels of Crude Oil**  
**Volume Recovered: 9 barrels of Crude Oil**

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



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October 22, 2024

Mike Bratcher  
District Supervisor  
Oil Conservation Division, District 2  
811 S. First Street  
Artesia, New Mexico 88210

**Re: Closure Report  
SRO State Com 046H  
Concho Operating, LLC  
Incident ID: nAPP2416253712  
Site Location: Unit D, S05, T26S, R28E  
(Lat 32.0782°, Long -104.1158°)  
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for SRO State Com 046H. The site is located at 32.0782°, -104.1158° within Unit D, S05, T26S, R28E, 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 May 13, 2024, due to a tank that overflowed. It resulted in approximately nine point one two two five (9.1225) barrels of crude oil and nine (9) barrels of crude oil recovered within the gravel lined facility. See Figure 3. The initial C-141 form is attached in Appendix B.

### **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 source within a 0.50-mile radius of the location. The closest well is located approximately 0.96 miles Northeast of the site in S32, T25S, R28E and was drilled in 2023. The well has a reported depth to groundwater of 26' feet below ground surface (ft bgs). A copy of the associated point of diversion is attached in Appendix C.

### **3.0 Site Characterization and Groundwater**

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 Liner Inspection Activities**

Before performing the liner inspection, a crew was onsite to remove all the impacted pea gravel so the liner would be free of any freestanding fluids. Once the plastic liner was thoroughly cleaned, the NMOCD division office was notified via email on August 21, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix B for the NMOCD correspondence prior to performing the liner inspection. On August 23, 2024, Carmona Resources, LLC conducted liner inspection activities to assess the liner's integrity within the facility and determined the liner was intact with no integrity issues. Refer to the Photolog.

#### **5.0 Conclusions**

Based on the liner inspection throughout the facility, no further actions are required at the site. The final C-141 is attached, and COG formally requests closure of the spill. If you have any questions regarding this report or need additional information, don't hesitate to contact us at 432-813-1992.

Sincerely,

**Carmona Resources, LLC**

Mike Carmona  
Environmental Manager

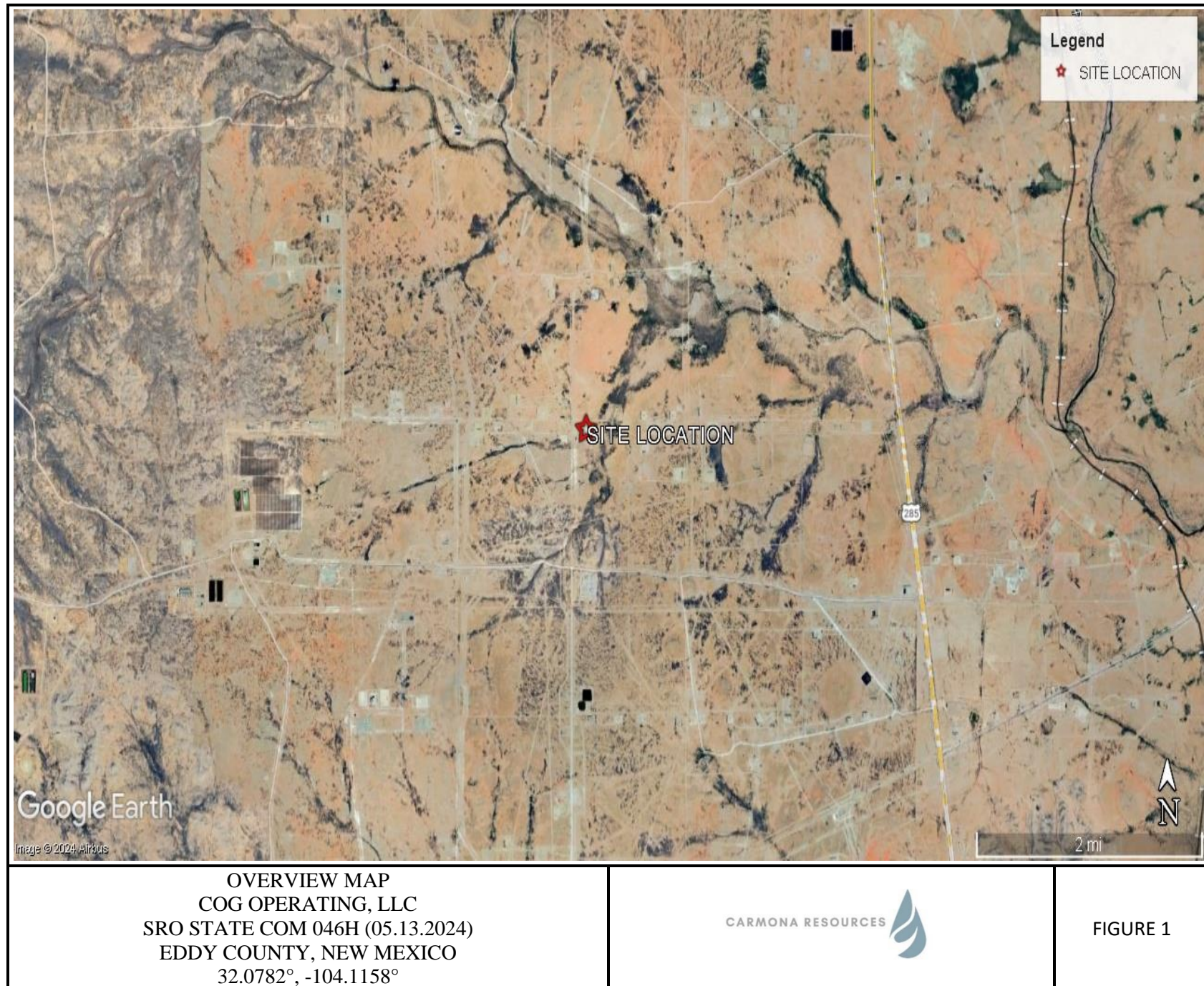
Conner Moehring  
Sr. Project Manager

## FIGURES

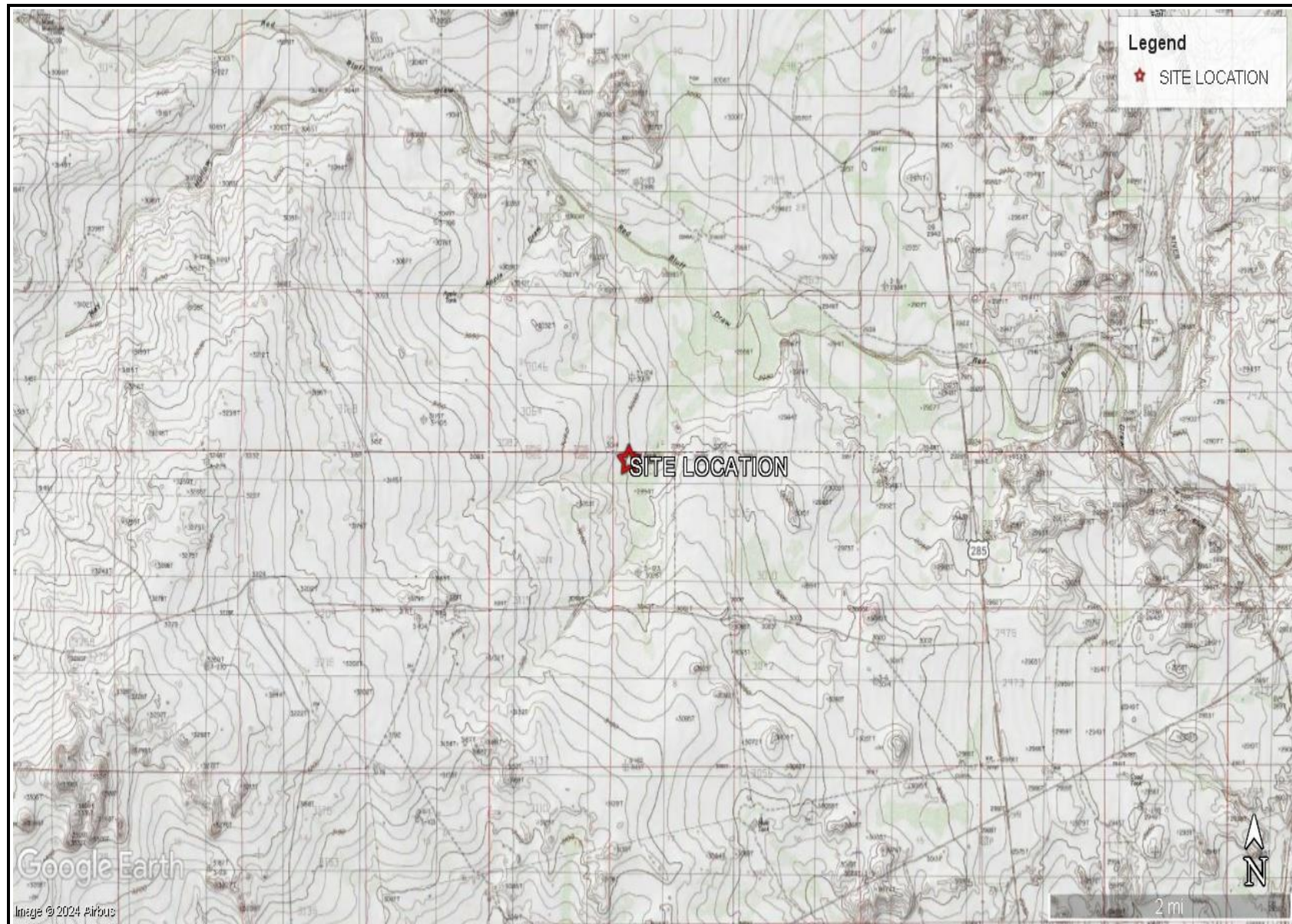
CARMONA RESOURCES











TOPOGRAPHIC MAP  
COG OPERATING, LLC  
SRO STATE COM 046H (05.13.2024)  
EDDY COUNTY, NEW MEXICO  
32.0782°, -104.1158°



FIGURE 2







## APPENDIX A

CARMONA RESOURCES

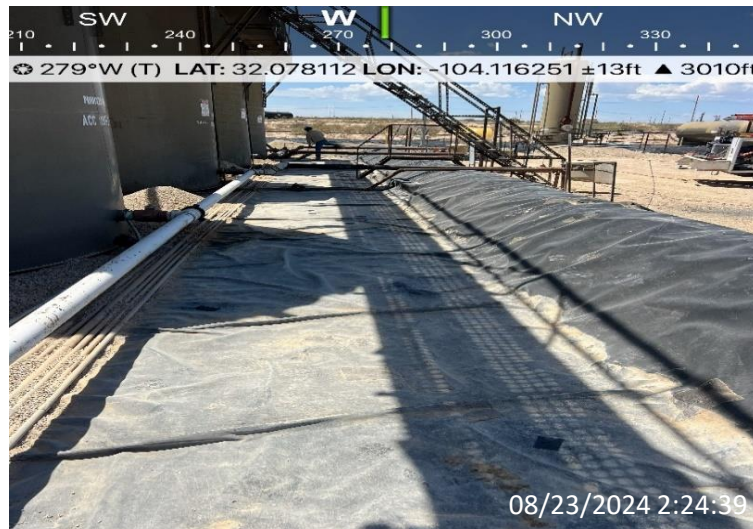


**PHOTOGRAPHIC LOG****Concho Operating, LLC****Photograph No. 1****Facility:** SRO State Com 046H (05.13.24)**County:** Eddy County, New Mexico**Description:**

View East of the intact liner after the pea gravel has been removed. Red outline is the area of the liner inspection.

**Photograph No. 2****Facility:** SRO State Com 046H (05.13.24)**County:** Eddy County, New Mexico**Description:**

View West of the intact liner after the pea gravel has been removed. Red outline is the area of the liner inspection.

**Photograph No. 3****Facility:** SRO State Com 046H (05.13.24)**County:** Eddy County, New Mexico**Description:**

View East of the intact liner after the pea gravel has been removed. Red outline is the area of the liner inspection.



## APPENDIX B

CARMONA RESOURCES





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?<br><br><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>Battani Espinoza</u>   | Date: _____      |
| email: _____   | Telephone: _____ |
| <b><u>OCD Only</u></b>   |                  |
| Received by: _____   | Date: _____      |

| Spill Calculation - On-Pad Surface Pool Spill   |              |             |                     |                                      |   |                             |  |   |  |  |
|---|--------------|-------------|---------------------|--------------------------------------|---|-----------------------------|--|---|--|--|
| <div> <div>Received by OCD: 10/29/2024 1:57:21 PM</div> <div>Convert Irregular shape into a series of rectangles</div> </div> | 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   | 25           | 22          | 2.0                 | 550.00                               | 6.53                                      | 0.00                        | 6.53                                   |   | 0.00   | 6.53   |
| Rectangle B   | 25           | 10          | 1.0                 | 250.00                               | 1.48                                      | 0.00                        | 1.48                                   |   | 0.00   | 1.48   |
| Rectangle C   | 25           | 10          | 0.5                 | 250.00                               | 0.74                                      | 0.00                        | 0.74                                   |   | 0.00   | 0.74   |
| Rectangle D   | 25           | 10          | 0.3                 | 250.00                               | 0.37                                      | 0.00                        | 0.37                                   |   | 0.00   | 0.37   |
| 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 Released to Unlined Secondary Containment:   |              |             |                     |                                      |   |                             | 9.1225                                 |   | 0.0000                                       | 9.1225   |
| Total Volume Released to Lined Secondary Containment:   |              |             |                     |                                      |   |                             | 9.1225                                 |   | 0.0000                                       | 9.1225   |



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
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

Action 376156

QUESTIONS

|   |                |
|---|----------------|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:         |
|   | 229137         |
|   | Action Number: |
|   | 376156         |
| Action Type:<br>[NOTIFY] Notification Of Liner Inspection (C-141L)        |                |

QUESTIONS

|                   |  |
|-------------------|--|
| Prerequisites     |  |
| Incident ID (n#)  | nAPP2416253712                         |
| Incident Name     | NAPP2416253712 SRO STATE COM 046H @ 0  |
| Incident Type     | Oil Release                            |
| Incident Status   | Initial C-141 Approved                 |
| Incident Facility | [fAPP2204030284] SRO ST UT 46H BATTERY |

|                            |                    |
|----------------------------|--------------------|
| Location of Release Source |                    |
| Site Name                  | SRO State Com 046H |
| Date Release Discovered    | 05/13/2024         |
| Surface Owner              | State              |

|   |                                  |
|---|----------------------------------|
| Liner Inspection Event Information  |                                  |
| Please answer all the questions in this group.  |                                  |
| What is the liner inspection surface area in square feet  | 4,400                            |
| 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 | 08/23/2024                       |
| Time liner inspection will commence   | 02:00 PM                         |
| Please provide any information necessary for observers to liner inspection                              | Conner Moerhring (432) 813- 6823 |
| Please provide any information necessary for navigation to liner inspection site                        | Coordinates 32.0782, -104.1158   |

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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

CONDITIONS  
  
Action 376156

CONDITIONS

|   |                |
|---|----------------|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:         |
|   | 229137         |
|   | Action Number: |
|   | 376156         |
| Action Type:<br>[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. | 8/21/2024      |

## APPENDIX C

CARMONA RESOURCES





Nearest water well

COG Operating

Legend

- 0.50 Mile Radius
- 0.91 Miles
- 0.96 Miles
- Groundwater Determination Bore
- NMSEO Water Well
- SRO State Com 046H (05.13.2024)





# High Karst

COG Operating

Legend

High

Medium

SRO State Com 046H (05.13.2024)

SRO State Com 046H (05.13.2024)







# 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 |
|------------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|------------|-------------|--------------|
| <a href="#">C 02478</a>      | CUB          | ED    |        | 2    | 1    | 05  | 26S | 28E |     | 583848 | 3549325* | 418      | 100        |             |              |
| <a href="#">C 04766 POD1</a> | CUB          | ED    |        | 2    | 2    | 4   | 32  | 25S | 28E | 584716 | 3550306  | 1534     | 37         | 26          | 11           |
| <a href="#">C 01278</a>      | C            | ED    |        | 4    | 3    | 28  | 25S | 28E |     | 585470 | 3551338* | 2770     | 205        | 90          | 115          |
| <a href="#">C 03836 POD1</a> | C            | ED    |        | 2    | 2    | 4   | 29  | 25S | 28E | 584682 | 3551934  | 2778     | 300        | 30          | 270          |
| <a href="#">C 02477</a>      | CUB          | ED    |        | 1    | 1    | 03  | 26S | 28E |     | 586687 | 3549347* | 3241     | 150        |             |              |
| <a href="#">C 03938 POD1</a> | CUB          | ED    |        | 2    | 2    | 2   | 25  | 25S | 27E | 581482 | 3552616  | 3730     | 21         | 12          | 9            |
| <a href="#">C 01573 POD1</a> | C            | ED    |        | 3    | 1    | 4   | 20  | 25S | 28E | 584144 | 3553361  | 3978     | 176        | 96          | 80           |

Average Depth to Water: **50 feet**

Minimum Depth: **12 feet**

Maximum Depth: **96 feet**

Record Count: 7

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 583447

**Northing (Y):** 3549445

**Radius:** 4000

\*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.

6/13/24 6:33 PM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER

|  |  |                   |                            |                              |                         |  |                          |  |
|--|--|-------------------|----------------------------|------------------------------|-------------------------|--|--------------------------|--|
| 212C-MD-02660                                    |  | <b>TETRA TECH</b> |                            | <b>LOG OF BORING DTW-1</b>   |                         |  | Page<br>1 of 1           |  |
| Project Name: SRO SWD #101                       |  |                   |                            |                              |                         |  |                          |  |
| Borehole Location: GPS: 32.072938°, -104.101518° |  |                   |                            | Surface Elevation (ft): 3009 |                         |  |                          |  |
| Borehole Number: DTW-1                           |  |                   | Borehole Diameter (in.): 3 |                              | Date Started: 3/15/2022 |  | Date Finished: 3/15/2022 |  |

| WATER LEVEL OBSERVATIONS  |                 |        |                           |           |                     |                      |                   |              |                  |                   |   |   |                  |                           |
|---|-----------------|--------|---------------------------|-----------|---------------------|----------------------|-------------------|--------------|------------------|-------------------|---|---|------------------|---------------------------|
| While Drilling <u>▽</u> DRY ft      24 Hours After Completion of Drilling <u>▽</u> DRY ft |                 |        |                           |           |                     |                      |                   |              |                  |                   |   |   |                  |                           |
| Remarks:  |                 |        |                           |           |                     |                      |                   |              |                  |                   |   |   |                  |                           |
| DEPTH (ft)  | OPERATION TYPES | SAMPLE | STANDARD PENETRATION TEST | PID (ppm) | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | LIQUID LIMIT | PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG   | MATERIAL DESCRIPTION  | DEPTH (ft)       | WELL DIAGRAM              |
| 5   |                 |        |                           |           |                     |                      |                   |              |                  |                   |   | <b>-SM- SILTY SAND:</b> Pale Brown, dry<br><b>-SM- SILTY SAND:</b> Pale Brown, with angular to subangular Gravel, dry.<br><b>-SM- SILTY SAND:</b> Light Reddish Brown, dry.<br><b>-SM- SILTY SAND:</b> Light Reddish Brown, with angular to subangular Gravel, dry.<br><b>-SM- SILTY SAND:</b> Reddish Brown, with angular to subangular Gravel, dry. | 1<br>2<br>3<br>4 | 4" Schedule 40 PVC Casing |
| 10  |                 |        |                           |           |                     |                      |                   |              |                  |                   |   |   |                  |                           |
| 15  |                 |        |                           |           |                     |                      |                   |              |                  |                   | <b>-CL- CLAY:</b> Brown, trace Sand, dry to moist.  | 15  |                  |                           |
| 20  |                 |        |                           |           |                     |                      |                   |              |                  |                   | <b>-CL- CLAY:</b> Grayish Brown, trace Sand, dry to moist.                                      | 20  |                  |                           |
| 25  |                 |        |                           |           |                     |                      |                   |              |                  |                   | <b>-SANDSTONE- SANDSTONE:</b> Gray, fine to medium grained, weakly to moderately cemented, dry. | 25  |                  |                           |
| 30  |                 |        |                           |           |                     |                      |                   |              |                  |                   |   |   |                  |                           |
| 35  |                 |        |                           |           |                     |                      |                   |              |                  |                   |   |   |                  |                           |
| 40  |                 |        |                           |           |                     |                      |                   |              |                  |                   |   |   |                  |                           |
| 45  |                 |        |                           |           |                     |                      |                   |              |                  |                   |   |   |                  |                           |
| 50  |                 |        |                           |           |                     |                      |                   |              |                  |                   |   |   |                  |                           |
| 55  |                 |        |                           |           |                     |                      |                   |              |                  |                   |   |   |                  |                           |

Bottom of borehole at 55.0 feet.


  

|  |   |   |
|--|---|---|
| Sampler Types: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Split Spoon<br/>  Shelby<br/>  Bulk Sample<br/>  Grab Sample         </div> <div style="width: 50%;">  Acetate Liner<br/>  Vane Shear<br/>  California<br/>  Sonic         </div> </div> | Operation Types: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Mud Rotary<br/>  Continuous Flight Auger<br/>  Hollow Stem Auger         </div> <div style="width: 50%;">  Auger<br/>  Air Rotary<br/>  Direct Push<br/>  HSA         </div> </div> | Notes:<br>Surface elevation is an estimated value based on Google Earth data. |
| Logger: Nicholas Poole   | Drilling Equipment: Air Rotary  | Driller: Scarborough Drilling   |



# New Mexico Office of the State Engineer

## Point of Diversion Summary

|          |              |  |     |    |     |                       |     |        |   |
|----------|--------------|--|-----|----|-----|-----------------------|-----|--------|---|
|          |              | (quarters are 1=NW 2=NE 3=SW 4=SE)<br>(quarters are smallest to largest) |     |    |     | (NAD83 UTM in meters) |     |        |   |
| Well Tag | POD Number   | Q64  | Q16 | Q4 | Sec | Tws                   | Rng | X      | Y   |
| NA       | C 04766 POD1 | 2  | 2   | 4  | 32  | 25S                   | 28E | 584716 | 3550306  |

x

|                   |                               |                      |            |                  |         |
|-------------------|-------------------------------|----------------------|------------|------------------|---------|
| Driller License:  | 1800                          | Driller Company:     | TALON/LPE  |                  |         |
| Driller Name:     | MICHALSKY, JARODRED (CALL OFF |                      |            |                  |         |
| Drill Start Date: | 09/12/2023                    | Drill Finish Date:   | 09/12/2023 | Plug Date:       |         |
| Log File Date:    | 10/20/2023                    | PCW Rcv Date:        |            | Source:          | Shallow |
| Pump Type:        |                               | Pipe Discharge Size: |            | Estimated Yield: |         |
| Casing Size:      |                               | Depth Well:          | 37 feet    | Depth Water:     | 26 feet |

x

|                                |  |     |        |                               |
|--------------------------------|--|-----|--------|-------------------------------|
| Water Bearing Stratifications: |  | Top | Bottom | Description                   |
|                                |  | 23  | 33     | Sandstone/Gravel/Conglomerate |
|                                |  | 33  | 35     | Sandstone/Gravel/Conglomerate |
|                                |  | 35  | 37     | Sandstone/Gravel/Conglomerate |

x

|                      |  |     |        |
|----------------------|--|-----|--------|
| Casing Perforations: |  | Top | Bottom |
|                      |  | 17  | 37     |

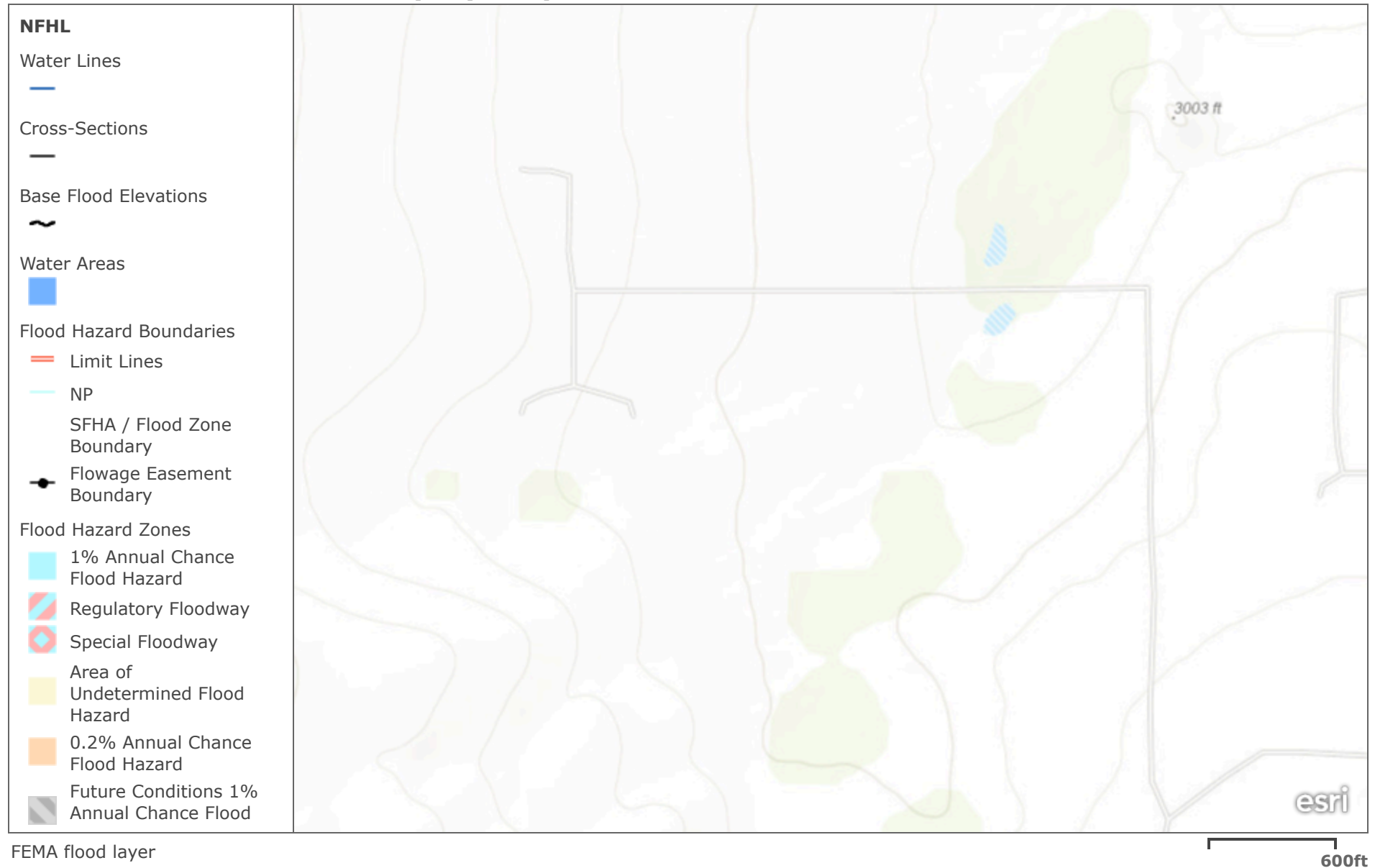
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

1/30/24 7:35 AM

POINT OF DIVERSION SUMMARY



## FEMA National Flood Hazard Layer (NFHL)



FEMA flood layer

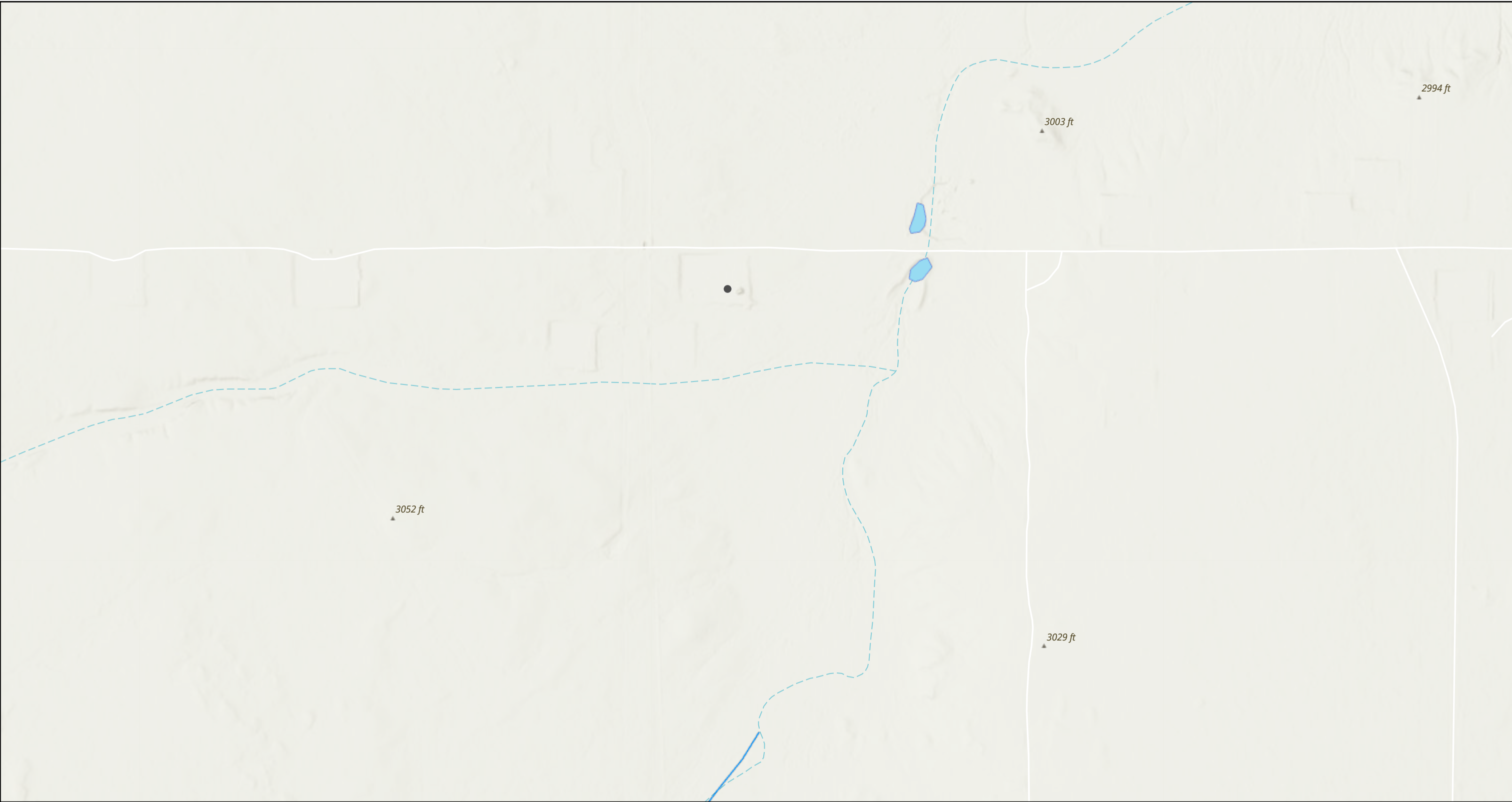
Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA

## FEMA National Flood Hazard Layer (NFHL)



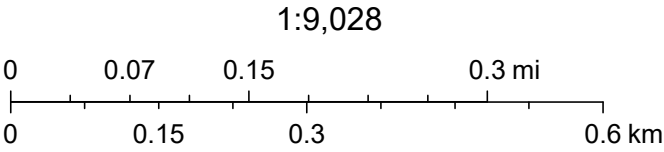
Maxar | Esri Community Maps Contributors, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

# SRO State Com 046H (05.13.2024)



6/13/2024, 7:30:08 PM

- OSW Water Bodys
- OSE Streams



Esri Community Maps Contributors, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Esri, NASA, NGA, USGS, FEMA, NM

**From:** [Conner Moehring](#)  
**To:** [Wells, Shelly, EMNRD](#)  
**Cc:** [Mike Carmona](#); [Stephen Reyes](#); [Devin Dominguez](#)  
**Subject:** [EXTERNAL] RE: NAPP2416253712 SRO STATE COM 046H  
**Date:** Wednesday, October 30, 2024 11:45:45 AM  
**Attachments:** [image001.png](#)

---

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Shelly,

The highlighted area is the standard ramp built over the liner to ensure a safe access point inside the facility. It is built up and over the liner to ensure its integrity. Regarding the liner inspection, only the area affected by the release was inspected. All the impacted pea gravel was removed, and then the liner was cleaned, and then the inspection occurred following the NMOCD protocol.

Please let me know if you have any questions.

Conner R. Moehring  
310 West Wall Street, Suite 500  
Midland TX, 79701  
M: 432-813-6823  
[cmoehring@carmonaresources.com](mailto:cmoehring@carmonaresources.com)

---

**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Sent:** Wednesday, October 30, 2024 12:25 PM  
**To:** Conner Moehring <Cmoehring@carmonaresources.com>  
**Subject:** NAPP2416253712 SRO STATE COM 046H

Good morning Conner,

I am reviewing the submitted liner report for NAPP2416253712 SRO STATE COM 046H and have a few questions for you: Why was only one side of the lined containment inspected? What is the area at the west side of the tank battery that looks like a pile of sand is over top the liner for? It appears the liner is breached in this area. Can you explain?

Kind regards,

Shelly





Shelly Wells \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive|Santa Fe, NM 87505  
(505)469-7520|[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>



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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS  
  
Action 396844

QUESTIONS

|   |   |
|---|---|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137  |
|   | Action Number:<br>396844  |
|   | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
|   |   |

QUESTIONS

|                      |  |
|----------------------|--|
| <b>Prerequisites</b> |  |
| Incident ID (n#)     | nAPP2416253712                         |
| Incident Name        | NAPP2416253712 SRO STATE COM 046H @ 0  |
| Incident Type        | Oil Release                            |
| Incident Status      | Remediation Closure Report Received    |
| Incident Facility    | [fAPP2204030284] SRO ST UT 46H BATTERY |

|   |                    |
|---|--------------------|
| <b>Location of Release Source</b>                     |                    |
| <i>Please answer all the questions in this group.</i> |                    |
| Site Name   | SRO State Com 046H |
| Date Release Discovered                               | 05/13/2024         |
| Surface Owner   | State              |

|  |             |
|--|-------------|
| <b>Incident Details</b>  |             |
| <i>Please answer all the questions in this group.</i>  |             |
| Incident Type  | Oil Release |
| Did this release result in a fire or is the result of a fire   | No          |
| Did this release result in any injuries  | No          |
| Has this release reached or does it have a reasonable probability of reaching a watercourse          | No          |
| Has this release endangered or does it have a reasonable probability of endangering public health    | No          |
| Has this release substantially damaged or will it substantially damage property or the environment   | No          |
| Is this release of a volume that is or may with reasonable probability be detrimental to fresh water | No          |

|   |   |
|---|---|
| <b>Nature and Volume of Release</b>   |   |
| <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i> |   |
| Crude Oil Released (bbls) Details   | Cause: Equipment Failure   Tank (Any)   Crude Oil   Released: 9 BBL   Recovered: 9 BBL   Lost: 0 BBL. |
| Produced Water Released (bbls) Details  | Not answered.   |
| Is the concentration of chloride in the produced water >10,000 mg/l   | No  |
| Condensate Released (bbls) Details  | Not answered.   |
| Natural Gas Vented (Mcf) Details  | Not answered.   |
| Natural Gas Flared (Mcf) Details  | Not answered.   |
| Other Released Details  | Not answered.   |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)  | Not answered.   |

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QUESTIONS, Page 2

Action 396844

**QUESTIONS (continued)**

|   |                |   |
|---|----------------|---|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:         | 229137  |
|   | Action Number: | 396844  |
|   | Action Type:   | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
|   |                |   |

**QUESTIONS**

|   |   |
|---|---|
| <b>Nature and Volume of Release (continued)</b>   |   |
| Is this a gas only submission (i.e. only significant Mcf values reported)   | No, according to supplied volumes this does not appear to be a "gas only" report. |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC  | No  |
| Reasons why this would be considered a submission for a notification of a major release   | Unavailable.  |
| 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<br>Title: Environmental Technician<br>Email: brittany.Esparza@ConocoPhillips.com<br>Date: 06/10/2024 |
|--|---|

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QUESTIONS, Page 3

Action 396844

**QUESTIONS (continued)**

|   |   |
|---|---|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:  |
|   | 229137  |
|   | Action Number:  |
|   | 396844  |
|   | 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) | Less than or equal 25 (ft.)    |
| What method was used to determine the depth to ground water  | NM OSE iWaters Database Search |
| Did this release impact groundwater or surface water   | No                             |
| <b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>   |                                |
| A continuously flowing watercourse or any other significant watercourse  | Between ½ and 1 (mi.)          |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)  | Between ½ and 1 (mi.)          |
| An occupied permanent residence, school, hospital, institution, or church  | Greater than 5 (mi.)           |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes  | Greater than 5 (mi.)           |
| Any other fresh water well or spring   | Greater than 5 (mi.)           |
| Incorporated municipal boundaries or a defined municipal fresh water well field  | Greater than 5 (mi.)           |
| A wetland  | Between ½ and 1 (mi.)          |
| A subsurface mine  | Greater than 5 (mi.)           |
| An (non-karst) unstable area   | Greater than 5 (mi.)           |
| Categorize the risk of this well / site being in a karst geology   | High                           |
| 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**

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   | 08/23/2024 |
| On what date will (or did) the final sampling or liner inspection occur  | 08/23/2024 |
| On what date will (or was) the remediation complete(d)   | 08/23/2024 |
| What is the estimated surface area (in square feet) that will be remediated  | 4400       |
| 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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QUESTIONS, Page 4

Action 396844

**QUESTIONS (continued)**

|   |   |
|---|---|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137  |
|   | Action Number:<br>396844  |
|   | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
|   |   |

**QUESTIONS**

|  |   |
|--|---|
| <b>Remediation Plan (continued)</b>  |   |
| <i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>   |   |
| <b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>   |   |
| <i>(Select all answers below that apply.)</i>  |   |
| Is (or was) there affected material present needing to be removed  | Yes   |
| Is (or was) there a power wash of the lined containment area (to be) performed   | Yes   |
| OTHER (Non-listed remedial process)  | 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<br>Title: Environmental Technician<br>Email: brittany.Esparza@ConocoPhillips.com<br>Date: 10/29/2024 |
| <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 396844

**QUESTIONS (continued)**

|   |                |
|---|----------------|
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|   | 229137         |
|   | Action Number: |
|   | 396844         |
| Action Type:  |                |
| [C-141] Remediation Closure Request C-141 (C-141-v-Closure)               |                |

**QUESTIONS**

| Liner Inspection Information  |            |
|---|------------|
| Last liner inspection notification (C-141L) recorded  | 376156     |
| Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC | 08/23/2024 |
| Was all the impacted materials removed from the liner   | Yes        |
| What was the liner inspection surface area in square feet   | 4400       |

**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                     | 4400 |
| What was the total volume (cubic yards) remediated                              | 0    |
| Summarize any additional remediation activities not included by answers (above) | na   |

*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<br>Title: Environmental Technician<br>Email: brittany.Esparza@ConocoPhillips.com<br>Date: 10/29/2024 |
|--|---|



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CONDITIONS  
  
Action 396844

CONDITIONS

|   |   |
|---|---|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137  |
|   | Action Number:<br>396844  |
|   | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

CONDITIONS

| Created By | Condition   | Condition Date |
|------------|---|----------------|
| scwells    | Liner report approved. Please note that for this site, under Site Characterization the distance to a 100-year floodplain is between 1/2 and 1 mile. | 10/30/2024     |