

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

| Convert Irregular shape into a series of rectangles | Length (ft.) | Width (ft.) | Average Depth (in.) | Estimated <u>Pool</u> Area (sq. ft.) | Estimated volume of each pool area (bbl.) | Penetration allowance (ft.) | Total Estimated Volume of Spill (bbl.) |
|---|--------------|-------------|---------------------|--------------------------------------|---|-----------------------------|--|
| Rectangle A | 30 | 30 | 0.2 | 900.00 | 2.00 | 0.00 | 2.00 |
| Rectangle B | 40 | 70 | 0.2 | 2800.00 | 6.23 | 0.00 | 6.23 |
| Rectangle C | | | | 0.00 | 0.00 | 0.00 | 0.00 |
| Rectangle D | | | | 0.00 | 0.00 | 0.00 | 0.00 |
| Rectangle E | | | | 0.00 | 0.00 | 0.00 | 0.00 |
| Rectangle F | | | | 0.00 | 0.00 | 0.00 | 0.00 |
| Rectangle G | | | | 0.00 | 0.00 | 0.00 | 0.00 |
| Rectangle H | | | | 0.00 | 0.00 | 0.00 | 0.00 |
| Rectangle I | | | | 0.00 | 0.00 | 0.00 | 0.00 |
| Rectangle J | | | | 0.00 | 0.00 | 0.00 | 0.00 |



SITE INFORMATION

Closure Report
Myox 6D State Com CTB (12.24.23)
Incident ID: NAPP2402529595
Unit D Sec 06 T26S R28E
Eddy County, New Mexico
32.0781°, -104.1320°

Produced Water Release
Point of Release: Equipment Failure
Release Date: 12.24.2023
Volume Released: 7.8258 Barrels of Produced Water
Volume Recovered: 7.8 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



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APPENDIX C SITE CHARACTERIZATION AND GROUNDWATER

August 28, 2024

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

Re: Closure Report
Myox 6D State Com CTB (12.24.23)
Concho Operating, LLC
Incident ID: NAPP2402529595
Site Location: Unit D, S6, T26S, R28E
(Lat 32.0781°, Long -104.1320°)
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 the Myox 6D State Com CTB (12.24.23). The site is located at 32.0781°, -104.1320° within Unit D, S6, 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 December 24, 2023, caused by a leak on the hammer union due to corrosion. It resulted in the release of approximately seven point eight two five eight (7.8258) barrels of produced water, and seven point eight (7.8) barrels of produced water were recovered inside the 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 sources are within a 0.50-mile radius of the location. The closest well is located approximately 1.83 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 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 Liner Inspection Activities

On August 19, 2024, Carmona Resources, LLC conducted liner inspection activities to assess the liner's integrity within the facility. Before performing the liner inspection, a crew was on location to remove all the freestanding fluids, and the plastic was cleaned so the liner could be inspected. The NMOCD division office was notified via the NMOCD web portal on August 15, 2024, per Subsection D of 19.15.29.12



NMAC. See Appendix B. 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 liner inspection throughout the facility, 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

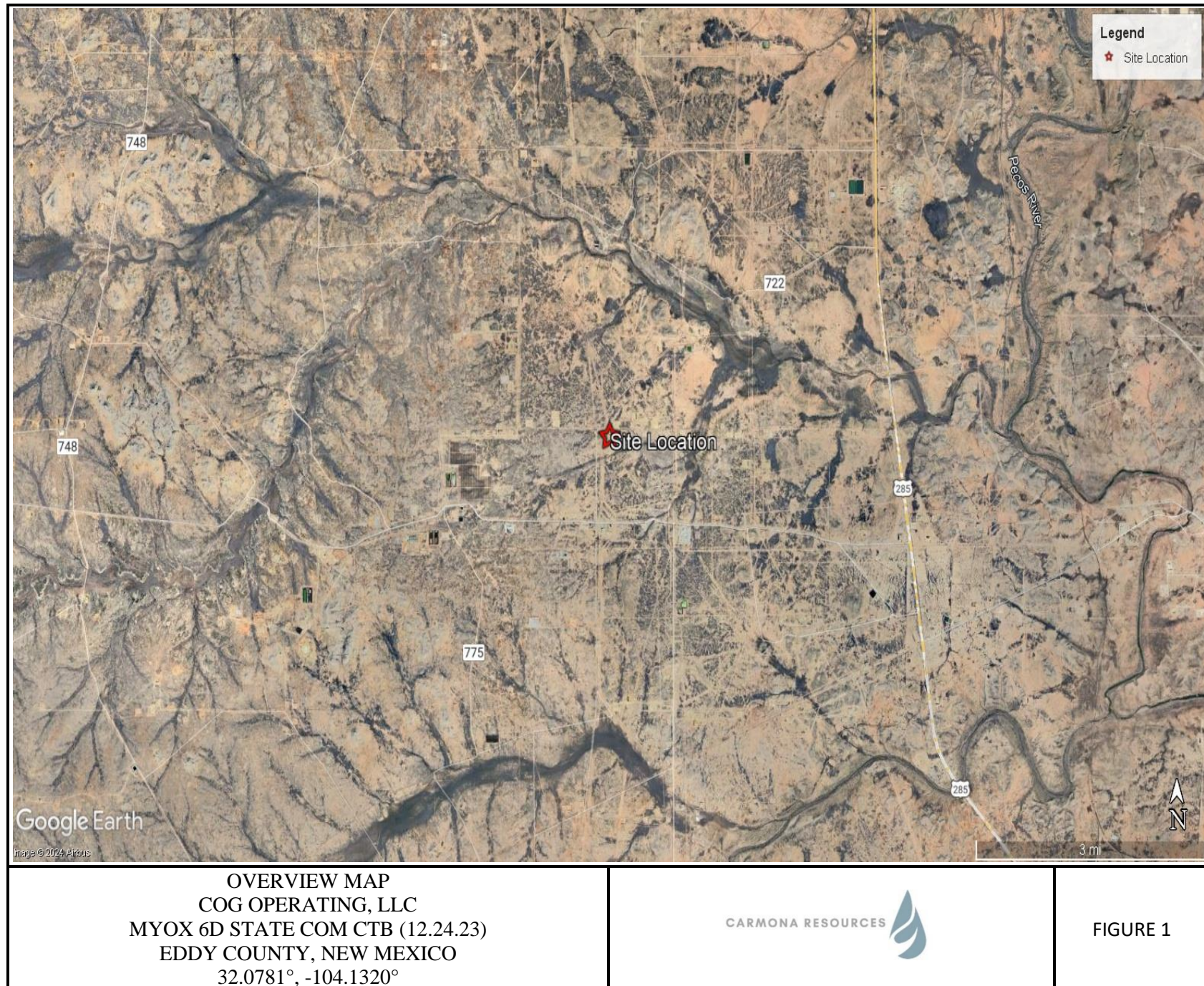
Mike Carmona
Environmental Manager

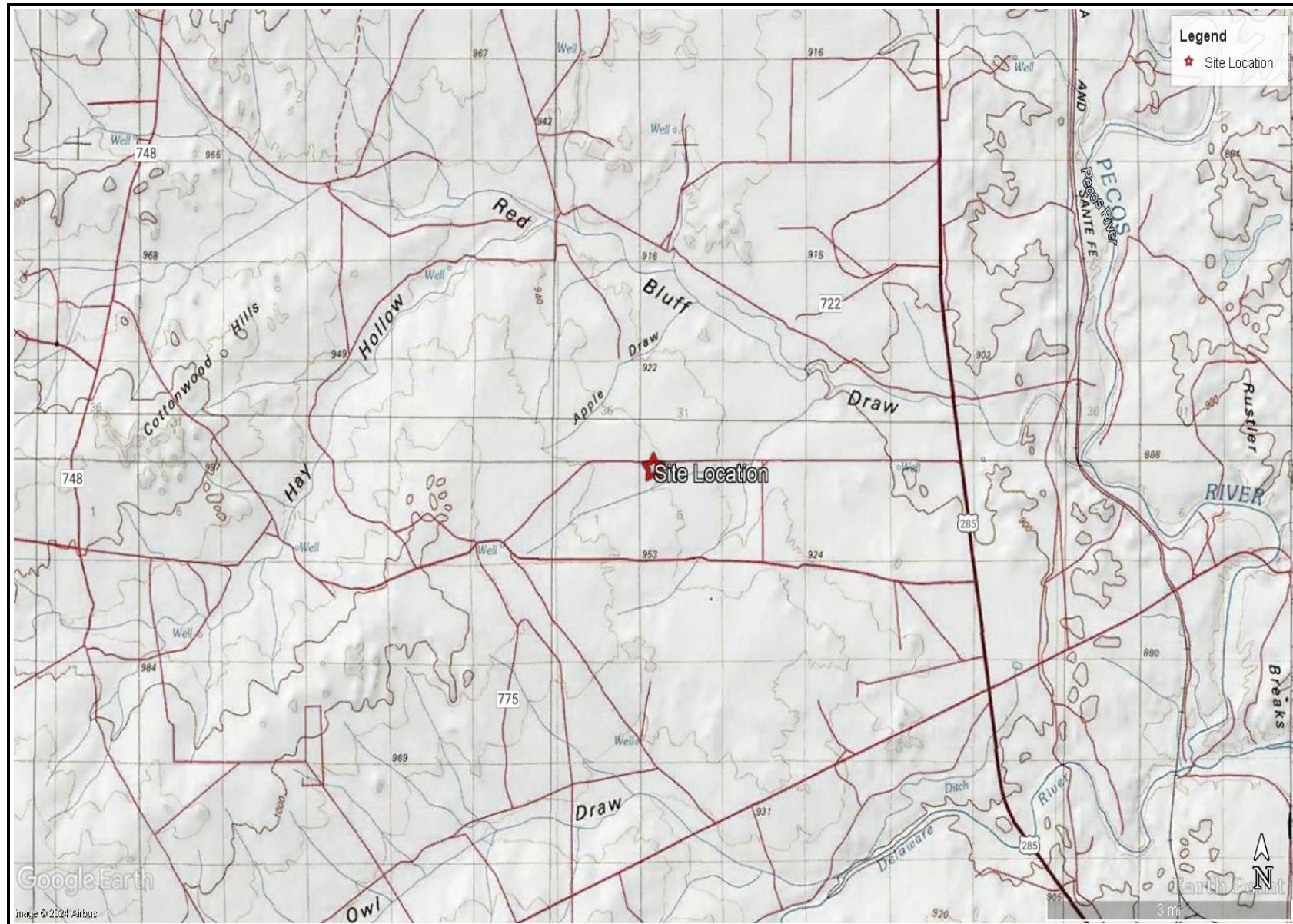
Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES







TOPOGRAPHIC MAP
 COG OPERATING, LLC
 MYOX 6D STATE COM CTB (12.24.23)
 EDDY COUNTY, NEW MEXICO
 32.0781°, -104.1320°



FIGURE 2



APPENDIX A

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

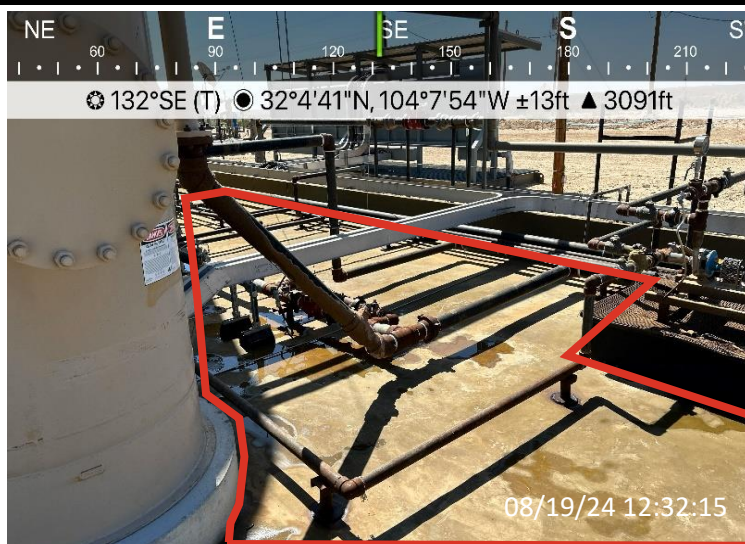
Photograph No. 1

Facility: Myox 6D State Com CTB (12.24.23)

County: Eddy County, New Mexico

Description:

View Southeast of the liner after the liner was cleaned and washed. Red outline is the area of the liner inspection.



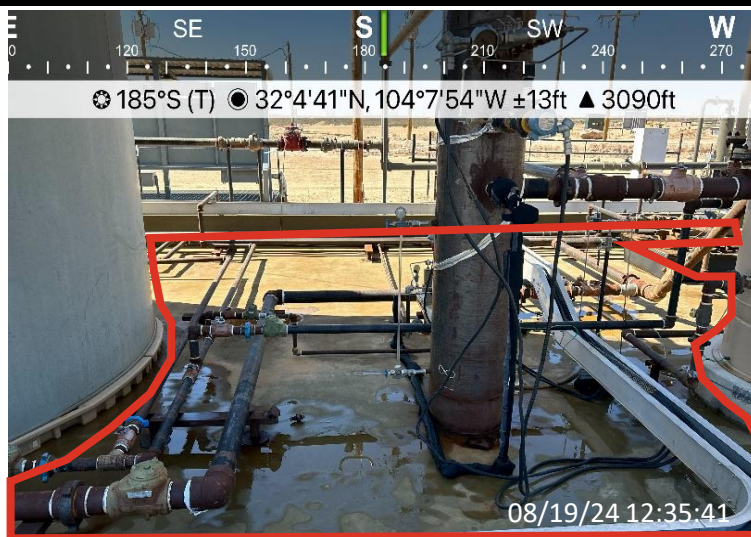
Photograph No. 2

Facility: Myox 6D State Com CTB (12.24.23)

County: Eddy County, New Mexico

Description:

View South of the liner after the liner was cleaned and washed. Red outline is the area of the liner inspection.



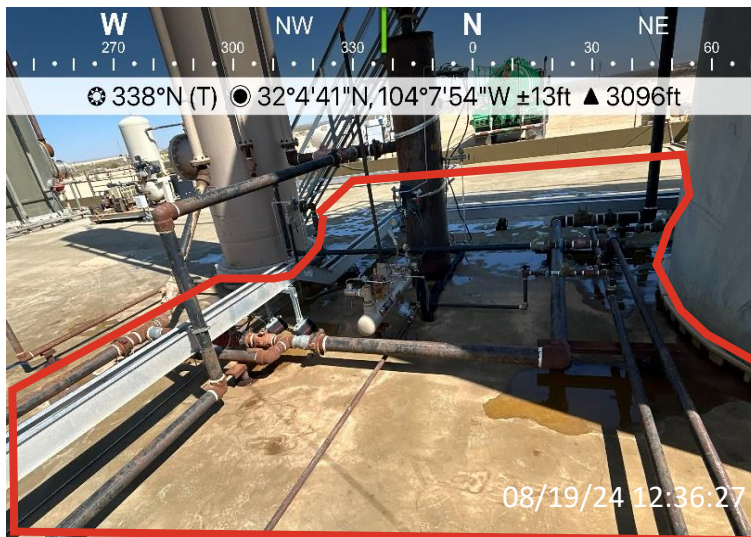
Photograph No. 3

Facility: Myox 6D State Com CTB (12.24.23)

County: Eddy County, New Mexico

Description:

View North of the liner after the liner was cleaned and washed. Red outline is the area of the liner inspection.



APPENDIX B

CARMONA RESOURCES



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Phone:(575) 393-6161 Fax:(575) 393-0720
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

Action 307617

QUESTIONS

| | |
|---|--|
| Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701 | OGRID: 229137 |
| | Action Number: 307617 |
| | Action Type: [NOTIFY] Notification Of Release (NOR) |

QUESTIONS

| | |
|--|-----------------------|
| Location of Release Source | |
| Please answer all the questions in this group. | |
| Site Name | Myox 6D State Com CTB |
| Date Release Discovered | 12/24/2023 |
| Surface Owner | State |

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

| | |
|--|---|
| Nature and Volume of Release | |
| Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. | |
| Crude Oil Released (bbls) Details | Not answered. |
| Produced Water Released (bbls) Details | Cause: Corrosion Other (Specify) Produced Water Released: 8 BBL Recovered: 8 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) | The release was caused by a leak on the hammer union due to corrosion. The release occurred within a falcon lined facility. Evaluation will be made of the spill area for any possible impact from the release. |

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QUESTIONS, Page 2

Action 307617

QUESTIONS (continued)

| | |
|---|--|
| Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701 | OGRID: 229137 |
| | Action Number: 307617 |
| | 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 | 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 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 307617

ACKNOWLEDGMENTS

| | |
|---|--|
| Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701 | OGRID: 229137 |
| | Action Number: 307617 |
| | 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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Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

CONDITIONS

Action 307617

CONDITIONS

| | |
|---|--|
| Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701 | OGRID: 229137 |
| | Action Number: 307617 |
| | Action Type: [NOTIFY] Notification Of Release (NOR) |

CONDITIONS

| Created By | Condition | Condition Date |
|-----------------|---|----------------|
| brittanyesparza | When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141. | 1/25/2024 |

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Santa Fe, NM 87505

QUESTIONS

Action 374480

QUESTIONS

| | |
|---|--|
| Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701 | OGRID: 229137 |
| | Action Number: 374480 |
| | Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L) |

QUESTIONS

| Prerequisites | |
|-------------------|--|
| Incident ID (n#) | nAPP2402529595 |
| Incident Name | NAPP2402529595 MYOX 6D STATE COM CTB @ 0 |
| Incident Type | Produced Water Release |
| Incident Status | Notification Accepted |
| Incident Facility | [fAPP2132637170] Myox 6D State Com CTB - Battery |

| Location of Release Source | |
|----------------------------|-----------------------|
| Site Name | MYOX 6D STATE COM CTB |
| Date Release Discovered | 12/24/2023 |
| 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 | 9,500 |
| 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 | 08/19/2024 |
| Time liner inspection will commence | 12:30 PM |
| Please provide any information necessary for observers to liner inspection | Per NMOCD -Entire liner (9500 sq ft) being cleaned due to mud in outside of liner that was outside of initial release area of 8 bbls (~800 sq ft) |
| Please provide any information necessary for navigation to liner inspection site | coordinates on C-141 |

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CONDITIONS

Action 374480

CONDITIONS

| | |
|---|----------------|
| Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701 | OGRID: |
| | 229137 |
| | Action Number: |
| | 374480 |
| 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. | 8/15/2024 |

| | |
|----------------|--|
| 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



High Karst

COG Operating

Legend

- High
- Medium
- Myox 6D State Com CTB (12.24.2023)

Myox 6D State Com CTB (12.24.2023)



1 mi

Nearest water well

COG Operating

Legend

- 0.50 Mile Radius
- 1.83 Miles
- 1.83 Miles
- 1.96 Miles
- Groundwater Determination Bore
- Myox 6D State Com CTB (12.24.2023)
- NMSEO Water Well

69' - Drilled 2019

26' - Drilled 2023

Myox 6D State Com CTB (12.24.2023)

55' GWDB - 2022





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 |
|------------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|------------|-------------|--------------|
| C 02478 | CUB | ED | | 2 | 1 | 05 | 26S | 28E | | 583848 | 3549325* | 1931 | 100 | | |
| C 04766 POD1 | CUB | ED | | 2 | 2 | 4 | 32 | 25S | 28E | 584716 | 3550306 | 2934 | 37 | 26 | 11 |
| C 04371 POD1 | CUB | ED | | 3 | 3 | 4 | 26 | 25S | 27E | 579369 | 3551272 | 3150 | 100 | 69 | 31 |
| C 03938 POD1 | CUB | ED | | 2 | 2 | 2 | 25 | 25S | 27E | 581482 | 3552616 | 3223 | 21 | 12 | 9 |
| C 02474 | CUB | ED | | 4 | 3 | 02 | 26S | 27E | | 578964 | 3548029* | 3266 | 100 | | |
| C 03836 POD1 | C | ED | | 2 | 2 | 4 | 29 | 25S | 28E | 584682 | 3551934 | 3734 | 300 | 30 | 270 |
| C 04573 POD3 | CUB | ED | | 4 | 1 | 1 | 11 | 26S | 27E | 578584 | 3547602 | 3799 | 100 | 36 | 64 |
| C 04573 POD2 | CUB | ED | | 3 | 1 | 1 | 11 | 26S | 27E | 578565 | 3547561 | 3835 | 104 | 35 | 69 |
| C 04573 POD1 | CUB | ED | | 3 | 1 | 1 | 11 | 26S | 27E | 578524 | 3547472 | 3914 | 104 | 35 | 69 |

Average Depth to Water: **34 feet**

Minimum Depth: **12 feet**

Maximum Depth: **69 feet**

Record Count: 9

UTM NAD83 Radius Search (in meters):

Easting (X): 581919

Northing (Y): 3549422

Radius: 4000

*UTM location was derived from PLSS - see Help

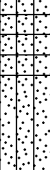



The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

1/30/24 7:25 AM
















Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

| | | | | | | | | | | | | | |
|--|--|---------------------|--|--|--|----------------------------|--|-------------------------|--|------------------------------|--------------------------|----------------|--|
| 212C-MD-02660 | | LOG OF BORING DTW-1 | | | | | | | | | | Page 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 | | |

| 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 | WATER LEVEL OBSERVATIONS | | | |
|----------------------|-----------------|--------|---------------------------|-----------|---------------------|----------------------|-------------------|--------------|------------------|-------------------|---|--|------------------|---------------------------|--|
| | | | | | | | | | | | | While Drilling <u>▽</u> DRY ft 24 Hours After Completion of Drilling <u>▽</u> DRY ft | | | |
| | | | | | | | | | | | | Remarks: | | | |
| MATERIAL DESCRIPTION | | | | | | | | | | | | DEPTH (ft) | WELL DIAGRAM | | |
| 5 | | | | | | | | | | |  | -SM- SILTY SAND: Pale Brown, dry -SM- SILTY SAND: Pale Brown, with angular to subangular Gravel, dry. -SM- SILTY SAND: Light Reddish Brown, dry. -SM- SILTY SAND: Light Reddish Brown, with angular to subangular Gravel, dry. -SM- SILTY SAND: Reddish Brown, with angular to subangular Gravel, dry. | 1 2 3 4 | 4" Schedule 40 PVC Casing | |
| 10 | | | | | | | | | | |  | -CL- CLAY: Brown, trace Sand, dry to moist. | 15 | | |
| 15 | | | | | | | | | | |  | -CL- CLAY: Grayish Brown, trace Sand, dry to moist. | 20 | | |
| 20 | | | | | | | | | | |  | -SANDSTONE- SANDSTONE: Gray, fine to medium grained, weakly to moderately cemented, dry. | 25 | | |
| 25 | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | 4" Schedule 40 PVC Slotted Screen (0.010") |
| 45 | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | |
| 55 | | | | | | | | | | | | | | | |

Bottom of borehole at 55.0 feet.

| | | | | |
|--|--|---|---|--|
| Sampler Types:  Split Spoon  Shelby  Bulk Sample  Grab Sample |  Acetate Liner  Vane Shear  California  Sonic | Operation Types:  Mud Rotary  Continuous Flight Auger  Hollow Stem Auger |  Auger  Air Rotary  Direct Push  HSA | Notes: 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)
(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


x

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.



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 | | |
| NA | C 04371 POD1 | 3 | 3 | 4 | 26 | 25S | 27E | 579369 | 3551272 |  | |
| <hr/> | | | | | | | | | | | |
| Driller License: | | 1456 | | Driller Company: | | | WHITE DRILLING COMPANY | | | | |
| Driller Name: | | WHITE, JOHNNOWN.GENER | | | | | | | | | |
| Drill Start Date: | | 10/17/2019 | | Drill Finish Date: | | | 10/17/2019 | | Plug Date: | | 10/17/2019 |
| Log File Date: | | 11/04/2019 | | PCW Rcv Date: | | | | | Source: | | Shallow |
| Pump Type: | | | | | Pipe Discharge Size: | | | | | Estimated Yield: | |
| Casing Size: | | | | | Depth Well: | | | 100 feet | | Depth Water: 69 feet | |
| <hr/> | | | | | | | | | | | |
| Water Bearing Stratifications: | | | | Top | Bottom | Description | | | | | |
| | | | | 5 | 100 | Other/Unknown | | | | | |

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1/30/24 7:47 AM

POINT OF DIVERSION SUMMARY

National Flood Hazard Layer FIRMette



104°8'14"W 32°4'56"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

104°7'36"W 32°4'26"N

Released to Imaging: 10/10/2024 1:29:35 PM

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

| | | |
|-----------------------------|--|---|
| SPECIAL FLOOD HAZARD AREAS | | Without Base Flood Elevation (BFE) Zone A, V, A99 |
| | | With BFE or Depth Zone AE, AO, AH, VE, AR |
| | | Regulatory Floodway |
| OTHER AREAS OF FLOOD HAZARD | | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X |
| | | Future Conditions 1% Annual Chance Flood Hazard Zone X |
| | | Area with Reduced Flood Risk due to Levee. See Notes. Zone X |
| | | Area with Flood Risk due to Levee Zone D |
| OTHER AREAS | | NO SCREEN Area of Minimal Flood Hazard Zone X |
| | | Effective LOMRs |
| | | Area of Undetermined Flood Hazard Zone D |
| GENERAL STRUCTURES | | Channel, Culvert, or Storm Sewer |
| | | Levee, Dike, or Floodwall |
| OTHER FEATURES | | 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation |
| | | 17.5 |
| | | Coastal Transect |
| | | Base Flood Elevation Line (BFE) |
| | | Limit of Study |
| | | Jurisdiction Boundary |
| | | Coastal Transect Baseline |
| | | Profile Baseline |
| MAP PANELS | | Digital Data Available |
| | | No Digital Data Available |
| | | Unmapped |



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/30/2024 at 9:20 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

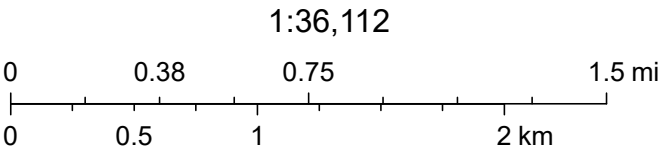
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Myox 6D State Com CTB (12.24.2023)



1/30/2024, 8:20:54 AM

- OSE Streams
- OSW Water Bodys



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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
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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 384976

QUESTIONS

| | |
|---|----------------|
| Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701 | OGRID: |
| | 229137 |
| | Action Number: |
| | 384976 |
| Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) | |

QUESTIONS

| | |
|-------------------|--|
| Prerequisites | |
| Incident ID (n#) | nAPP2402529595 |
| Incident Name | NAPP2402529595 MYOX 6D STATE COM CTB @ 0 |
| Incident Type | Produced Water Release |
| Incident Status | Remediation Closure Report Received |
| Incident Facility | [fAPP2132637170] Myox 6D State Com CTB - Battery |

| | |
|--|-----------------------|
| Location of Release Source | |
| Please answer all the questions in this group. | |
| Site Name | MYOX 6D STATE COM CTB |
| Date Release Discovered | 12/24/2023 |
| Surface Owner | State |

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

| | |
|--|---|
| Nature and Volume of Release | |
| Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. | |
| Crude Oil Released (bbls) Details | Not answered. |
| Produced Water Released (bbls) Details | Cause: Corrosion Other (Specify) Produced Water Released: 8 BBL Recovered: 8 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) | The release was caused by a leak on the hammer union due to corrosion. The release occurred within a falcon lined facility. Evaluation will be made of the spill area for any possible impact from the release. |

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QUESTIONS, Page 2

Action 384976

QUESTIONS (continued)

| | |
|---|---|
| Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701 | OGRID: 229137 |
| | Action Number: 384976 |
| | 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 | 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 Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 09/19/2024 |
|--|---|

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QUESTIONS, Page 3

Action 384976

QUESTIONS (continued)

| | | |
|---|----------------|---|
| Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701 | OGRID: | 229137 |
| | Action Number: | 384976 |
| | 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 26 and 50 (ft.) |
| What method was used to determine the depth to ground water | NM OSE iWaters Database Search |
| Did this release impact groundwater or surface water | No |
| What is the minimum distance, between the closest lateral extents of the release and the following surface areas: | |
| A continuously flowing watercourse or any other significant watercourse | Between ½ and 1 (mi.) |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | Between 1 and 5 (mi.) |
| An occupied permanent residence, school, hospital, institution, or church | Between 1 and 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 | Greater than 5 (mi.) |
| A subsurface mine | Greater than 5 (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 | 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 | 08/19/2024 |
| On what date will (or did) the final sampling or liner inspection occur | 08/19/2024 |
| On what date will (or was) the remediation complete(d) | 08/19/2024 |
| What is the estimated surface area (in square feet) that will be remediated | 800 |
| 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 384976

QUESTIONS (continued)

| | |
|---|---|
| Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701 | OGRID: 229137 |
| | Action Number: 384976 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| | |

QUESTIONS

| | |
|--|---|
| Remediation Plan (continued) | |
| <i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i> | |
| This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants: | |
| <i>(Select all answers below that apply.)</i> | |
| Is (or was) there affected material present needing to be removed | No |
| Is (or was) there a power wash of the lined containment area (to be) performed | Yes |
| OTHER (Non-listed remedial process) | No |
| <i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i> | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | |
| I hereby agree and sign off to the above statement | Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 09/19/2024 |
| <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 384976

QUESTIONS (continued)

| | |
|---|----------------|
| Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701 | OGRID: |
| | 229137 |
| | Action Number: |
| | 384976 |
| Action Type: | |
| [C-141] Remediation Closure Request C-141 (C-141-v-Closure) | |

QUESTIONS

| Liner Inspection Information | |
|---|------------|
| Last liner inspection notification (C-141L) recorded | 374480 |
| Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC | 08/19/2024 |
| Was all the impacted materials removed from the liner | Yes |
| What was the liner inspection surface area in square feet | 9500 |

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 | 800 |
| 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 Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 09/19/2024 |
|--|---|

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

CONDITIONS

Action 384976

CONDITIONS

| | |
|---|---|
| Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701 | OGRID: 229137 |
| | Action Number: 384976 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| | |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| rhamlet | We have received your Remediation Closure Report for Incident #NAPP2402529595 MYOX 6D STATE COM CTB, thank you. This Remediation Closure Report is approved. | 10/10/2024 |