



SITE INFORMATION

Deferral Report
Cascade 29 Federal 1 (05.18.2025)
Incident ID: NAPP2513874115
Lea County, New Mexico
Unit D, Sec 29, T25S, R33E
32.10775°, -103.60119°

Produced Water and Crude Oil Release
Point of Release: Broken Sight Glass on a Vessel
Release Date: 05.18.2025
Volume Released: 10 Barrels of Crude Oil and 3 Barrels of Produced Water
Volume Recovered: 8 Barrels of Crude Oil and 2 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Coterra Energy Operating Co.
6001 Deauville Blvd.
Suite 300N
Midland, Texas 79706

Prepared by:
Carmona Resources, LLC
310 West Wall Street
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432.813.1992



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December 8, 2025

New Mexico Oil Conservation Division
1220 South St, Francis Drive
Santa Fe, New Mexico 87505

Re: **Deferral Report**
Cascade 29 Federal 1 (05.18.2025)
Incident ID: NAPP2513874115
Coterra Energy Operating Co.
Site Location: Unit D, S29, T25S, R33E
32.10775°, -103.60119°
Lea County, New Mexico

To whom it may concern:

On behalf of Coterra Energy Operating Co. (Coterra) Carmona Resources LLC, has prepared this letter to document the remediation activities for the Cascade 29 Federal 1 release. The site is located at 32.10775°, -103.60119° within Unit D, S29, T25S, R33E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on May 18, 2025, due to a broken sight glass on a vessel. It resulted in approximately ten (10) barrels of crude oil and three (3) barrels of produced water being released, with eight (8) barrels of crude oil and two (2) barrels of produced water recovered. A compromised patch in the containment allowed fluid to escape onto the well pad. The release area is approximately 759 square feet. The spill boundaries are shown in Figure 3. The Notification of Release and Initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. The nearest Groundwater Determination Bore (GWDB) is approximately 0.34 miles East of the site in S20, T25S, R33E, (32.10898°, -103.59566°) and was drilled in 2022. The GWDB was drilled to 55 feet below the ground surface (ft bgs) and did not have any evidence of groundwater present after 72 hours. A copy of the associated well log is attached in Appendix D.

3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing and remediating the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 1,000 mg/kg (GRO + DRO).
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- Chloride: 10,000 mg/kg.

4.0 Remediation Activities

Beginning on June 11, 2025, Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on June 6, 2025, per Subsection D of



19.15.29.12 NMAC. See Appendix C. The area was excavated to a depth of 0.5 ft bgs. A total of eleven (11) confirmation floor samples were collected (CS-1 through CS-11) were collected every 200 square feet to ensure the proper removal of the contaminated soils, and thirteen (13) horizontal samples (H-1 through H-13) were collected for horizontal delineation. For chemical analysis, the soil samples were collected and placed into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 3.

All final confirmation samples were below the regulatory requirements for TPH, BTEX, and Chloride. Refer to Table 1.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. A composite sample of the backfill material was collected for laboratory analysis on June 27, 2025 before being utilized. The backfill material was sourced from Ramirez & Sons, located in Hobbs, New Mexico. Refer to Table 1. Approximately 759 square feet of contamination was remediated, resulting in 15 cubic yards of material being excavated and transported offsite for proper disposal.

Following remediation activities, the area under the containment with the compromised patch was attempted to be deferred but was denied on August 13, 2025 for not having the area vertically delineated.

5.0 Site Assessment Activities

Secondary Assessment

On November 26, 2025, Carmona Resources performed site assessment activities to evaluate soil impacts stemming from the release under the lined containment. A hole around the original compromised patch within the liner was created to install one sample point (S-1) at a depth ranging from surface to 5.0 ft bgs to evaluate the vertical extent of the release. Prior to collecting the vertical delineation sample, the NMOCD division office was notified via NMOCD portal for both final sampling (C-141N) and a liner inspection (C-141L) on November 21, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. Following the sampling event through the tear, the liner was repaired to prevent future releases from leaking under the containment. See Figures 3 & 4 for the soil sample location and liner inspection area. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and Chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Vertical Delineation

Vertical delineation was achieved in the areas of S-1 for Benzene, total BTEX, TPH, and Chloride concentrations.

Deferment Area

The area underneath the secondary containment will be deferred per 19.15.29.12.C.2 NMAC. To remove all contaminated material, major facility deconstruction would have to take place. Removing soil within that area could potentially cause structural instability and might result in additional releases in the future, as backfill material can shift and settle over time. The deferred area is defined within the horizontal samples H-1 through H-5 as well as S-1. Approximately 3,340 square feet, underneath the secondary containment, will be assessed and remediated during plugging and abandonment activities or when equipment is removed. Based off the



results from the secondary assessment, the estimated volume remaining onsite to be deferred until plugging and abandonment activities is approximately 247 cubic yards. Refer to Table 2 and Figure 4.

6.0 Conclusions

Based on the area, safety, and active facility equipment, Coterra requests to defer the hydrocarbon impact underneath the secondary containment. The site has been fully delineated, by way of vertical and horizontal delineation samples during confirmation sampling, to satisfy the requirements of 19.15.29.12.C.2 NMAC. Remediation of the deferred area will be completed during plugging and abandonment activities or when equipment is removed, whichever comes first. If you have any questions regarding this report or need additional information, please contact us at 432-813-8988.

Sincerely,

Carmona Resources, LLC

Ashton Thielke
Environmental Manager

Gilbert Priego
Project Manager

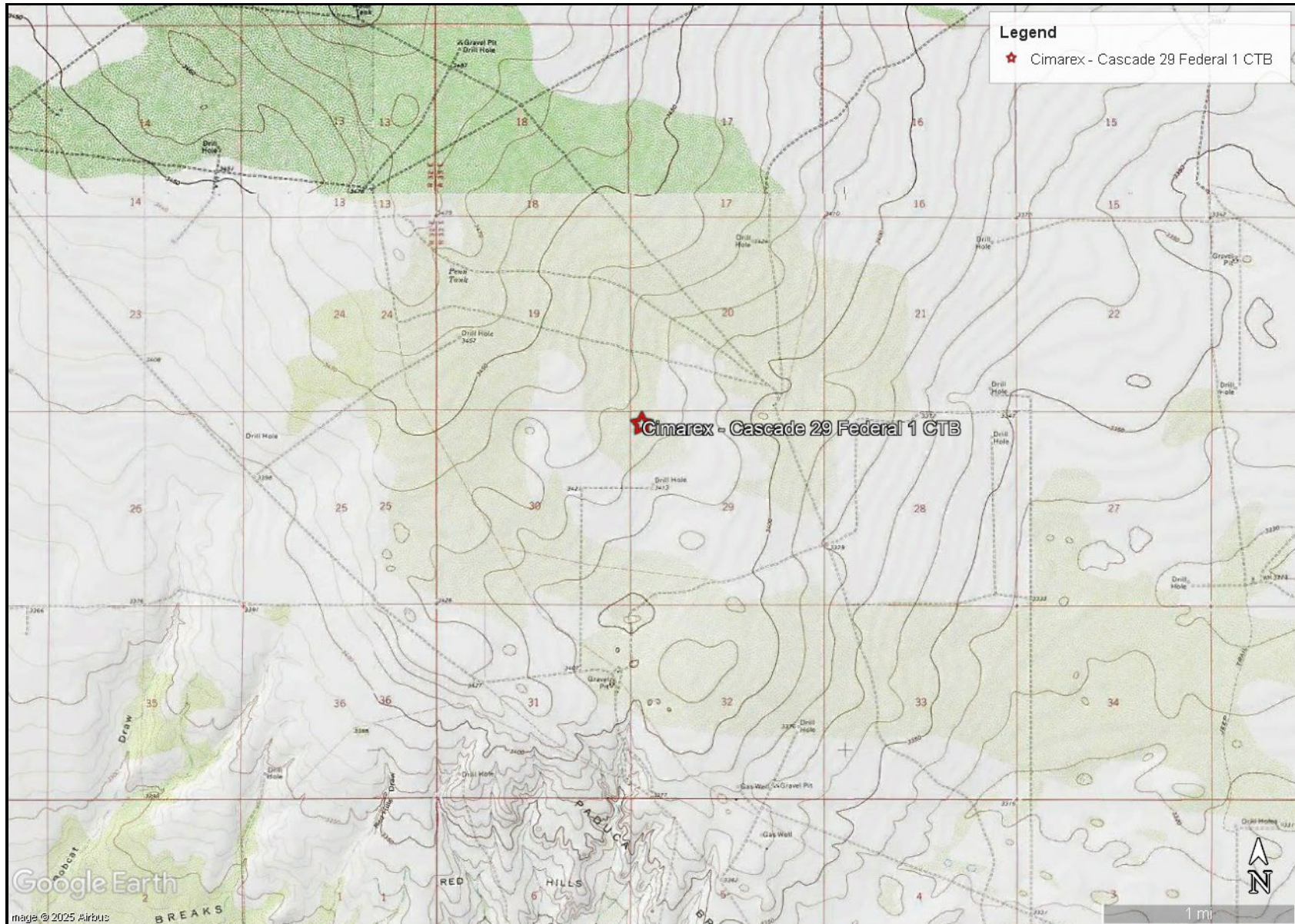
FIGURES

CARMONA RESOURCES





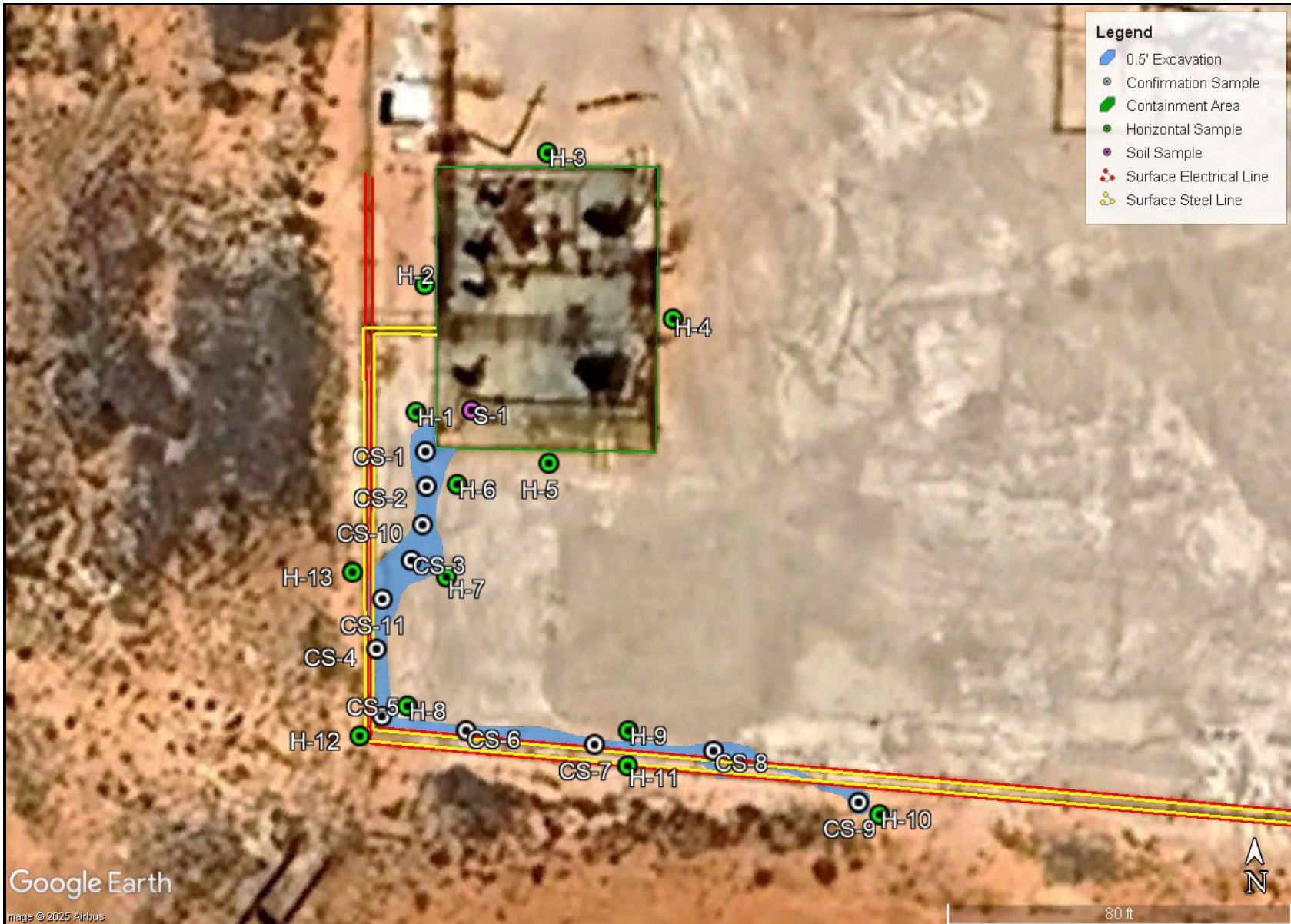
| | | |
|---|--|-----------------|
| <p>OVERVIEW MAP COTERRA ENERGY OPERATING CO. CASCADE 29 FEDERAL 1 LEA COUNTY, NEW MEXICO 32.10775°, -103.60119°</p> | <p>CARMONA RESOURCES </p> | <p>FIGURE 1</p> |
|---|--|-----------------|




TOPOGRAPHIC MAP
COTERRA ENERGY OPERATING CO.
CASCADE 29 FEDERAL 1
LEA COUNTY, NEW MEXICO
32.10775°, -103.60119°




FIGURE 2



Google Earth
image © 2025 Airbus

| | | |
|---|--|-----------------|
| <p>EXCAVATION DEPTH MAP COTERRA ENERGY OPERATING CO. CASCADE 29 FEDERAL 1 LEA COUNTY, NEW MEXICO 32.10775°, -103.60119°</p> | <p>CARMONA RESOURCES </p> | <p>FIGURE 3</p> |
|---|--|-----------------|



| | | |
|--|--|-----------------|
| <p>DEFERRAL AREA MAP COTERRA ENERGY OPERATING CO. CASCADE 29 FEDERAL 1 LEA COUNTY, NEW MEXICO 32.10775°, -103.60119°</p> | <p>CARMONA RESOURCES </p> | <p>FIGURE 4</p> |
|--|--|-----------------|

APPENDIX A

CARMONA RESOURCES



Table 1
Coterra Energy Operating Co.
Cascade 29 Federal 1 (05.18.2025)
Lea County, New Mexico

| Sample ID | Date | Depth (ft) | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|--|-----------|------------|--------------------|-------|-------|--------------------|-----------------|-----------------|----------------------|----------------|--------------------|---------------------|
| | | | GRO | DRO | MRO | Total | | | | | | |
| CS-1 | 6/11/2025 | 0-0.5' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 16.0 |
| CS-2 | 6/11/2025 | 0-0.5' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 48.0 |
| CS-3 | 6/11/2025 | 0-0.5' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 32.0 |
| CS-4 | 6/11/2025 | 0-0.5' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 64.0 |
| CS-5 | 6/11/2025 | 0-0.5' | <10.0 | 12.5 | <10.0 | 12.5 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 128 |
| CS-6 | 6/11/2025 | 0-0.5' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 48.0 |
| CS-7 | 6/11/2025 | 0-0.5' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 48.0 |
| CS-8 | 6/11/2025 | 0-0.5' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 48.0 |
| CS-9 | 6/11/2025 | 0-0.5' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 128 |
| CS-10 | 6/11/2025 | 0-0.5' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 16.0 |
| CS-11 | 6/11/2025 | 0-0.5' | <10.0 | 12.2 | <10.0 | 12.2 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 32.0 |
| Regulatory Criteria^A | | | 1,000 mg/kg | | | 2,500 mg/kg | 10 mg/kg | | | | 50 mg/kg | 10,000 mg/kg |

^A – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
CS - Confirmation Sample

Table 1
Coterra Energy Operating Co.
Cascade 29 Federal 1 (05.18.2025)
Lea County, New Mexico

| Sample ID | Date | Depth (ft) | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|---|-----------|------------|-------------|-------|-------|-----------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
| | | | GRO | DRO | MRO | Total | | | | | | |
| H-1 | 6/11/2025 | 0-0.5' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 208 |
| H-2 | 6/11/2025 | 0-0.5' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <16.0 |
| H-3 | 6/11/2025 | 0-0.5' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <16.0 |
| H-4 | 6/11/2025 | 0-0.5' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 80.0 |
| H-5 | 6/11/2025 | 0-0.5' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 16.0 |
| H-6 | 6/11/2025 | 0-0.5' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <16.0 |
| H-7 | 6/11/2025 | 0-0.5' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 16.0 |
| H-8 | 6/11/2025 | 0-0.5' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <16.0 |
| H-9 | 6/11/2025 | 0-0.5' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <16.0 |
| H-10 | 6/11/2025 | 0-0.5' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <16.0 |
| H-11 | 6/11/2025 | 0-0.5' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <16.0 |
| H-12 | 6/11/2025 | 0-0.5' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <16.0 |
| H-13 | 6/11/2025 | 0-0.5' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <16.0 |
| Backfill | 6/27/2025 | - | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 144 |
| <i>Regulatory Criteria</i> ^A | | | | | | 100 mg/kg | 10 mg/kg | | | | 50 mg/kg | 600 mg/kg |

^A – Table 1 - 19.15.29 NMAC
 mg/kg - milligram per kilogram
 TPH - Total Petroleum Hydrocarbons
 ft - feet
 H - Horizontal Sample

Table 2
Coterra Energy Operating Co.
Cascade 29 Federal 1 (05.18.2025)
Lea County, New Mexico

| Sample ID | Date | Depth (ft) | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|---|------------|------------|-------------|--------------|-------|--------------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
| | | | GRO | DRO | MRO | Total | | | | | | |
| S-1 | 11/26/2025 | 0-1.0' | <10.0 | 27.5 | <10.0 | 27.5 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 112 |
| | " | 1.5' | 203 | 2,500 | 375 | 3,078 | <0.050 | <0.050 | <0.050 | 2.19 | 2.19 | 64.0 |
| | " | 2.0' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 192 |
| | " | 3.0' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 384 |
| | " | 4.0' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 288 |
| | " | 5.0' | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 384 |
| <i>Regulatory Criteria</i> ^A | | | 1,000 mg/kg | | | 2,500 mg/kg | 10 mg/kg | | | | 50 mg/kg | 10,000 mg/kg |


^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

S - Sample Point

 Deferral Area

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

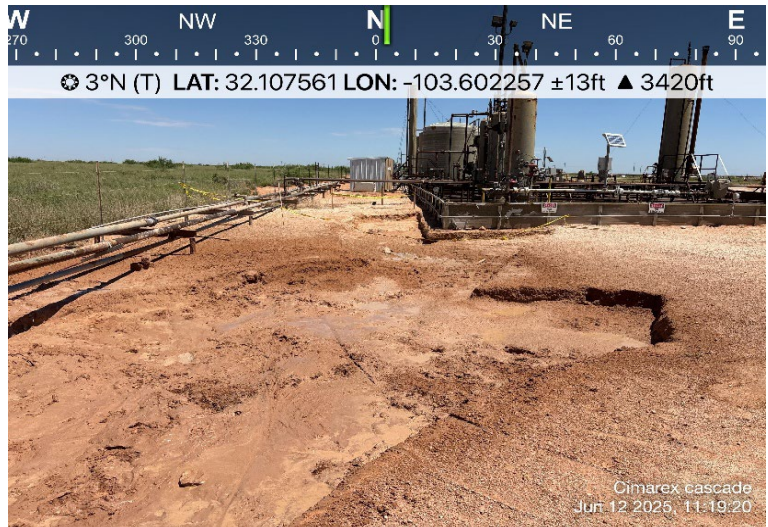
Coterra Energy Operating Co.

Photograph No. 1

Facility: Cascade 29 Federal 1 (05.18.2025)

County: Lea County, New Mexico

Description:
View North, area of CS-1 through CS-3 and CS-10.



Photograph No. 2

Facility: Cascade 29 Federal 1 (05.18.2025)

County: Lea County, New Mexico

Description:
View South, area of CS-3 through CS-5, CS-10, and CS-11.

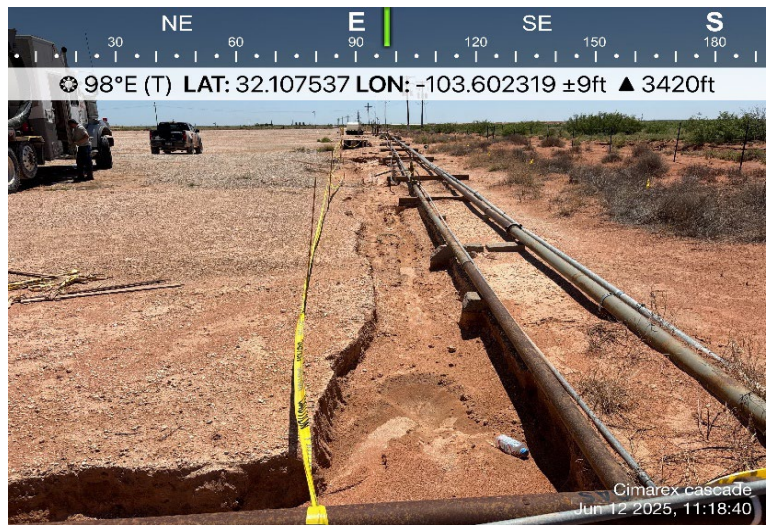


Photograph No. 3

Facility: Cascade 29 Federal 1 (05.18.2025)

County: Lea County, New Mexico

Description:
View East, area of CS-5 through CS-8.



PHOTOGRAPHIC LOG

Coterra Energy Operating Co.

Photograph No. 4

Facility: Cascade 29 Federal 1 (05.18.2025)

County: Lea County, New Mexico

Description:

View West, area of CS-5 through CS-8.



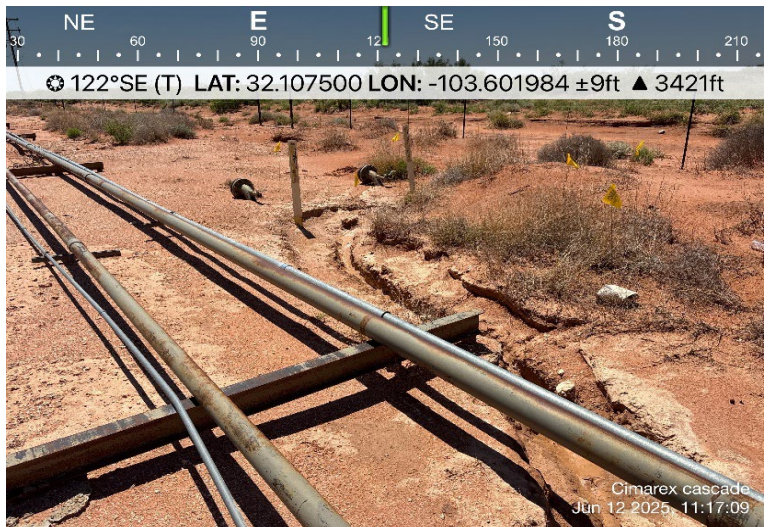
Photograph No. 5

Facility: Cascade 29 Federal 1 (05.18.2025)

County: Lea County, New Mexico

Description:

View Southeast, area of CS-9.



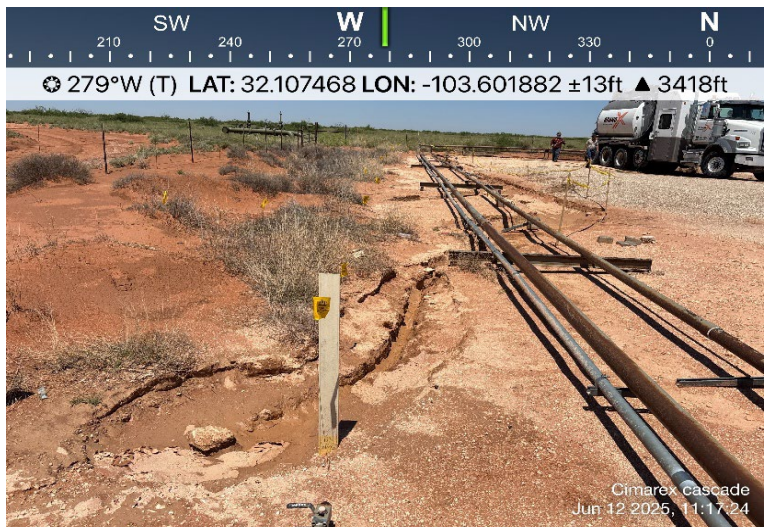
Photograph No. 6

Facility: Cascade 29 Federal 1 (05.18.2025)

County: Lea County, New Mexico

Description:

View West, area of CS-7 through CS-9.



PHOTOGRAPHIC LOG

Coterra Energy Operating Co.

Photograph No. 7

Facility: Cascade 29 Federal 1 (05.18.2025)

County: Lea County, New Mexico

Description:
View West of backfill area.

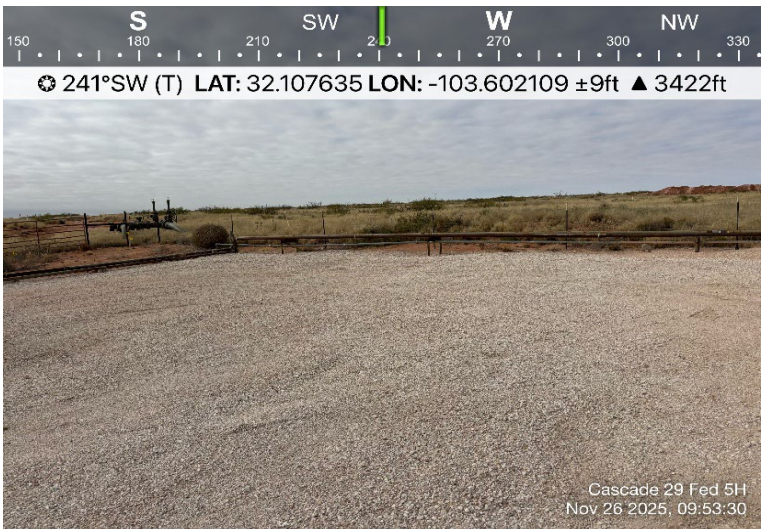


Photograph No. 8

Facility: Cascade 29 Federal 1 (05.18.2025)

County: Lea County, New Mexico

Description:
View Southwest of backfill area.



Photograph No. 9

Facility: Cascade 29 Federal 1 (05.18.2025)

County: Lea County, New Mexico

Description:
View West of backfill area.



PHOTOGRAPHIC LOG

Coterra Energy Operating Co.

Photograph No. 10

Facility: Cascade 29 Federal 1 (05.18.2025)

County: Lea County, New Mexico

Description:
View West of location sign.



Photograph No. 11

Facility: Cascade 29 Federal 1 (05.18.2025)

County: Lea County, New Mexico

Description:
View North of the area of S-1.



Photograph No. 12

Facility: Cascade 29 Federal 1 (05.18.2025)

County: Lea County, New Mexico

Description:
View West of patched liner after site assessment.



PHOTOGRAPHIC LOG

Coterra Energy Operating Co.

Photograph No. 13

Facility: Cascade 29 Federal 1 (05.18.2025)

County: Lea County, New Mexico

Description:
View West of lined containment.

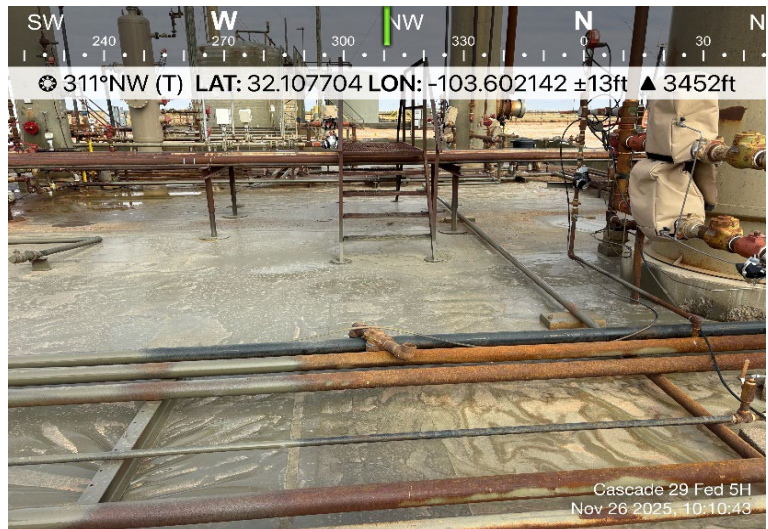


Photograph No. 14

Facility: Cascade 29 Federal 1 (05.18.2025)

County: Lea County, New Mexico

Description:
View Northwest of lined containment.

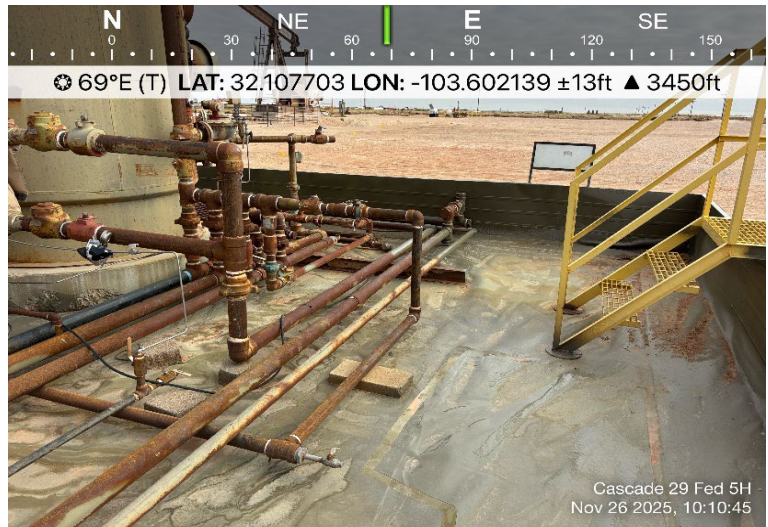


Photograph No. 15

Facility: Cascade 29 Federal 1 (05.18.2025)

County: Lea County, New Mexico

Description:
View East of lined containment.



PHOTOGRAPHIC LOG

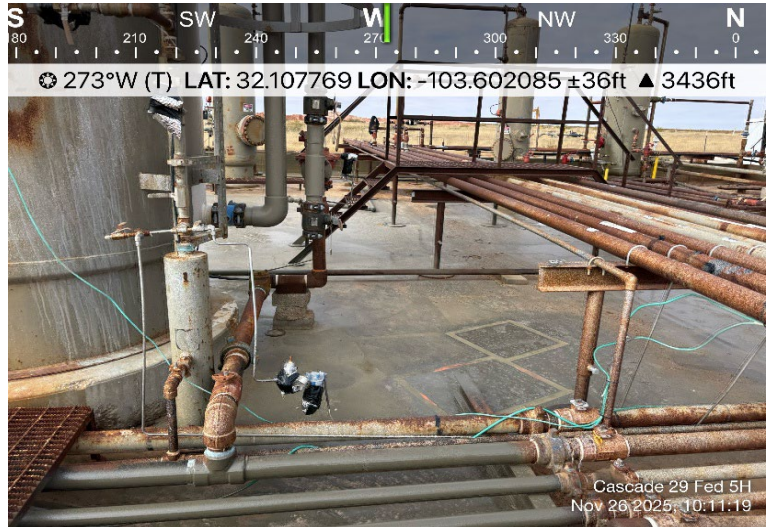
Coterra Energy Operating Co.

Photograph No. 16

Facility: Cascade 29 Federal 1 (05.18.2025)

County: Lea County, New Mexico

Description:
View West of lined containment.

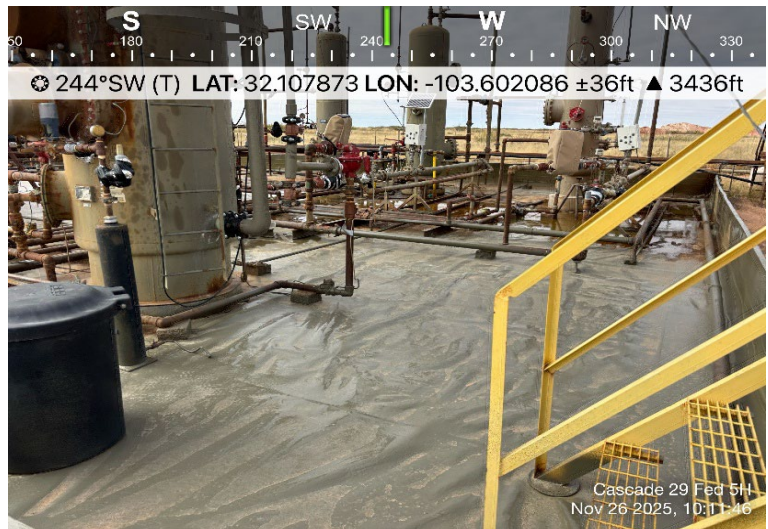


Photograph No. 17

Facility: Cascade 29 Federal 1 (05.18.2025)

County: Lea County, New Mexico

Description:
View Southwest of lined containment.

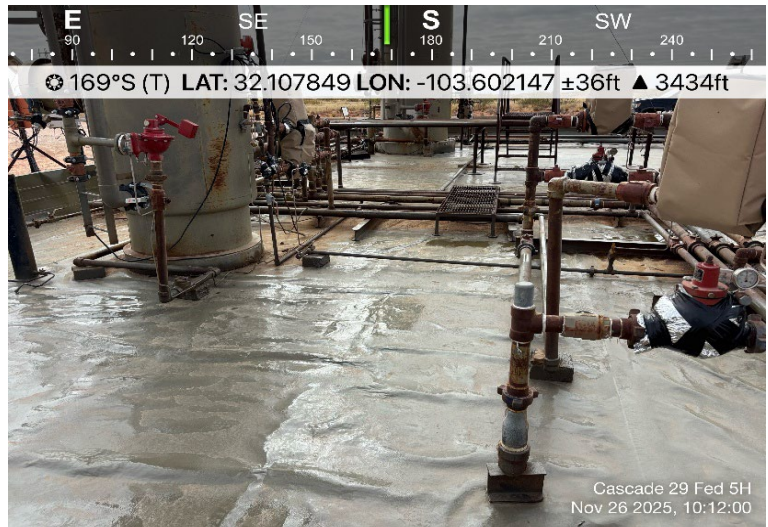


Photograph No. 18

Facility: Cascade 29 Federal 1 (05.18.2025)

County: Lea County, New Mexico

Description:
View South of lined containment.



APPENDIX C

CARMONA RESOURCES



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 464351

QUESTIONS

| | |
|---|--|
| Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706 | OGRID: 215099 |
| | Action Number: 464351 |
| | Action Type: [NOTIFY] Notification Of Release (NOR) |

QUESTIONS

| | |
|---|----------------------|
| Location of Release Source | |
| <i>Please answer all the questions in this group.</i> | |
| Site Name | CASCADE 29 FEDERAL 1 |
| Date Release Discovered | 05/18/2025 |
| Surface Owner | Federal |

| | |
|--|-------------|
| Incident Details | |
| <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 |

| | |
|---|--|
| Nature and Volume of Release | |
| <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i> | |
| Crude Oil Released (bbls) Details | Cause: Equipment Failure Separator Crude Oil Released: 10 BBL Recovered: 8 BBL Lost: 2 BBL. |
| Produced Water Released (bbls) Details | Cause: Equipment Failure Separator Produced Water Released: 3 BBL Recovered: 2 BBL Lost: 1 BBL. |
| Is the concentration of chloride in the produced water >10,000 mg/l | Yes |
| Condensate Released (bbls) Details | Not answered. |
| Natural Gas Vented (Mcf) Details | Not answered. |
| Natural Gas Flared (Mcf) Details | Not answered. |
| Other Released Details | Not answered. |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | We had a reportable release at the Cascade Federal 1 due to a broken sight glass on a vessel. A compromised patch in the containment allowed fluid to escape onto the well pad. This incident resulted in an estimated release of 10.19 barrels oil and 2.56 barrels water. Vac trucks were able to recover all fluid from the containment. In the upcoming weeks, we will assess the affected soils and implement necessary remediation measures. |

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

QUESTIONS, Page 2

Action 464351

QUESTIONS (continued)

| | |
|---|--|
| Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706 | OGRID: 215099 |
| | Action Number: 464351 |
| | 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 | <i>Unavailable.</i> |
| <i>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.</i> | |

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 | <i>Not answered.</i> |

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

ACKNOWLEDGMENTS

Action 464351

ACKNOWLEDGMENTS

| | |
|---|--|
| Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706 | OGRID: 215099 |
| | Action Number: 464351 |
| | Action Type: [NOTIFY] Notification Of Release (NOR) |

ACKNOWLEDGMENTS

| | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | I acknowledge that I am authorized to submit notification of a release on behalf of my operator. |
| <input checked="" type="checkbox"/> | I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29. |
| <input checked="" type="checkbox"/> | I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29. |
| <input checked="" type="checkbox"/> | I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. |
| <input checked="" type="checkbox"/> | I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. |
| <input checked="" type="checkbox"/> | I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |

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CONDITIONS

Action 464351

CONDITIONS

| | |
|---|--|
| Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706 | OGRID: 215099 |
| | Action Number: 464351 |
| | Action Type: [NOTIFY] Notification Of Release (NOR) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|---|----------------|
| lluig | When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141. | 5/18/2025 |



COTERRA ENERGY
CASCADE 29 FEDERAL 1 CTB
LEA, NM

Outside Containment

Outside Containment

8:50 📶 📶 97

[Home](#)

Saturated Soil Calculation

Spill Name

| L(Ft) | W(Ft) | D(In) | Oil % |
|-------|-------|-------|-------|
| 4 | 29 | 2 | (%) |

[?](#) [i](#) [📄](#)
Soil Definitions

SOIL TYPE FACTOR

0.08 | 0.14 | 0.16 | 0.25 | 0.15

H₂O Spill Total: 0.48 Bbls

Oil Spill Total: 0.00 Bbls

Total Spilled: 0.48 Bbls

Total Spilled: 20.25 Gals

Add Section to Spill

8:51 📶 📶 96

[Home](#)

Saturated Soil Calculation

Spill Name

| L(Ft) | W(Ft) | D(In) | Oil % |
|-------|-------|-------|-------|
| 4 | 113 | 2 | (%) |

[?](#) [i](#) [📄](#)
Soil Definitions

SOIL TYPE FACTOR

0.08 | 0.14 | 0.16 | 0.25 | 0.15

H₂O Spill Total: 1.88 Bbls

Oil Spill Total: 0.00 Bbls

Total Spilled: 1.88 Bbls

Total Spilled: 78.89 Gals

Add Section to Spill



COTERRA ENERGY CASCADE 29 FEDERAL 1 CTB LEA, NM

Outside Containment

Inside Containment

8:50 📶 97

[Home](#)

Saturated Soil Calculation

Spill Name

| L(Ft) | W(Ft) | D(In) | Oil % |
|-------|-------|-------|-------|
| 5 | 35 | 2 | (%) |

[?](#) [i](#) [🗂](#)
Soil Definitions

SOIL TYPE FACTOR

0.08 | 0.14 | 0.16 | 0.25 | 0.15

H₂O Spill Total: 0.73 Bbls

Oil Spill Total: 0.00 Bbls

Total Spilled: 0.73 Bbls

Total Spilled: 30.54 Gals

Add Section to Spill

8:53 📶 95

[Back](#)

Square/Rectangle Contained Spill with Vessel Displacement

Spill Name

| L(Ft) | W(Ft) | D(In) | Oil % |
|-------|-------|-------|-------|
| 25 | 26 | 1 | 80 |

Tank Size (Ft) Tank Count

Tank OD Tank Count

[?](#) [🗂](#)

H₂O Spill Before Disp: 1.93

Tank Displacement Vol: 0.00

Oil Spill Total: 7.72

H₂O Spill Total: 1.93

Total Bbls Spilled: 9.65

Total Gals Spilled: 405.17

Add Section to Spill



COTERRA ENERGY
CASCADE 29 FEDERAL 1 CTB
LEA, NM





COTERRA ENERGY
CASCADE 29 FEDERAL 1 CTB
LEA, NM



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

QUESTIONS

Action 467022

QUESTIONS

| | |
|---|---|
| Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706 | OGRID: 215099 |
| | Action Number: 467022 |
| | Action Type: [C-141] Initial C-141 (C-141-v-Initial) |

QUESTIONS

| | |
|----------------------|---|
| Prerequisites | |
| Incident ID (n#) | nAPP2513874115 |
| Incident Name | NAPP2513874115 CASCADE 29 FEDERAL 1 @ 0 |
| Incident Type | Oil Release |
| Incident Status | Initial C-141 Received |
| Incident Facility | [fAPP2123928971] CASCADE 29 FEDERAL 1 |

| | |
|---|----------------------|
| Location of Release Source | |
| <i>Please answer all the questions in this group.</i> | |
| Site Name | CASCADE 29 FEDERAL 1 |
| Date Release Discovered | 05/18/2025 |
| Surface Owner | Federal |

| | |
|--|-------------|
| Incident Details | |
| <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 |

| | |
|---|--|
| Nature and Volume of Release | |
| <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i> | |
| Crude Oil Released (bbls) Details | Cause: Equipment Failure Separator Crude Oil Released: 10 BBL Recovered: 8 BBL Lost: 2 BBL. |
| Produced Water Released (bbls) Details | Cause: Equipment Failure Separator Produced Water Released: 3 BBL Recovered: 2 BBL Lost: 1 BBL. |
| Is the concentration of chloride in the produced water >10,000 mg/l | Yes |
| Condensate Released (bbls) Details | Not answered. |
| Natural Gas Vented (Mcf) Details | Not answered. |
| Natural Gas Flared (Mcf) Details | Not answered. |
| Other Released Details | Not answered. |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | We had a reportable release at the Cascade Federal 1 due to a broken sight glass on a vessel. A compromised patch in the containment allowed fluid to escape onto the well pad. This incident resulted in an estimated release of 10.19 barrels oil and 2.56 barrels water. Vac trucks were able to recover all fluid from the containment. In the upcoming weeks, we will assess the affected soils and implement necessary remediation measures. |

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Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
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QUESTIONS, Page 2

Action 467022

QUESTIONS (continued)

| | |
|---|---|
| Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706 | OGRID: 215099 |
| | Action Number: 467022 |
| | Action Type: [C-141] Initial C-141 (C-141-v-Initial) |

QUESTIONS

| | |
|--|--|
| Nature and Volume of Release (continued) | |
| Is this a gas only submission (i.e. only significant Mcf values reported) | No, according to supplied volumes this does not appear to be a "gas only" report. |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC | No |
| Reasons why this would be considered a submission for a notification of a major release | <i>Unavailable.</i> |
| <i>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.</i> | |

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 | <i>Not answered.</i> |

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: Laci Luig Title: ES&H Specialist Email: DL_PerminEnvironmental@coterra.com Date: 05/24/2025 |
|--|--|

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

QUESTIONS, Page 3

Action 467022

QUESTIONS (continued)

| | |
|---|---|
| Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706 | OGRID: 215099 |
| | Action Number: 467022 |
| | Action Type: [C-141] Initial C-141 (C-141-v-Initial) |

QUESTIONS

| | |
|--|----------------------|
| Site Characterization | |
| <i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i> | |
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) | <i>Not answered.</i> |
| What method was used to determine the depth to ground water | <i>Not answered.</i> |
| Did this release impact groundwater or surface water | <i>Not answered.</i> |
| 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 | <i>Not answered.</i> |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | <i>Not answered.</i> |
| An occupied permanent residence, school, hospital, institution, or church | <i>Not answered.</i> |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes | <i>Not answered.</i> |
| Any other fresh water well or spring | <i>Not answered.</i> |
| Incorporated municipal boundaries or a defined municipal fresh water well field | <i>Not answered.</i> |
| A wetland | <i>Not answered.</i> |
| A subsurface mine | <i>Not answered.</i> |
| An (non-karst) unstable area | <i>Not answered.</i> |
| Categorize the risk of this well / site being in a karst geology | <i>Not answered.</i> |
| A 100-year floodplain | <i>Not answered.</i> |
| Did the release impact areas not on an exploration, development, production, or storage site | <i>Not answered.</i> |

| | |
|---|----|
| Remediation Plan | |
| <i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i> | |
| Requesting a remediation plan approval with this submission | No |
| <i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i> | |

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

CONDITIONS

Action 467022

CONDITIONS

| | |
|---|---|
| Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706 | OGRID: 215099 |
| | Action Number: 467022 |
| | Action Type: [C-141] Initial C-141 (C-141-v-Initial) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| rhamlet | None | 5/27/2025 |

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

QUESTIONS

Action 471462

QUESTIONS

| | |
|---|--|
| Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706 | OGRID: 215099 |
| | Action Number: 471462 |
| | Action Type: [NOTIFY] Notification Of Sampling (C-141N) |

QUESTIONS

| | |
|----------------------|---|
| Prerequisites | |
| Incident ID (n#) | nAPP2513874115 |
| Incident Name | NAPP2513874115 CASCADE 29 FEDERAL 1 @ 0 |
| Incident Type | Oil Release |
| Incident Status | Initial C-141 Approved |
| Incident Facility | [fAPP2123928971] CASCADE 29 FEDERAL 1 |

| | |
|-----------------------------------|----------------------|
| Location of Release Source | |
| Site Name | CASCADE 29 FEDERAL 1 |
| Date Release Discovered | 05/18/2025 |
| Surface Owner | Federal |

| | |
|---|---|
| Sampling Event General Information | |
| <i>Please answer all the questions in this group.</i> | |
| What is the sampling surface area in square feet | 700 |
| What is the estimated number of samples that will be gathered | 15 |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 06/11/2025 |
| Time sampling will commence | 09:00 AM |
| Please provide any information necessary for observers to contact samplers | Carmona Resources - 432-813-8988 |
| Please provide any information necessary for navigation to sampling site | (32.10775,-103.60119) Carmona Resources will be onsite to collect confirmation samples of the recently remediated area. |

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

CONDITIONS

Action 471462

CONDITIONS

| | |
|---|--|
| Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706 | OGRID: 215099 |
| | Action Number: 471462 |
| | Action Type: [NOTIFY] Notification Of Sampling (C-141N) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|---|----------------|
| athielke | Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted. | 6/6/2025 |

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

QUESTIONS

Action 528717

QUESTIONS

| | |
|---|--|
| Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706 | OGRID: 215099 |
| | Action Number: 528717 |
| | Action Type: [NOTIFY] Notification Of Sampling (C-141N) |

QUESTIONS

| | |
|----------------------|---|
| Prerequisites | |
| Incident ID (n#) | nAPP2513874115 |
| Incident Name | NAPP2513874115 CASCADE 29 FEDERAL 1 @ 0 |
| Incident Type | Oil Release |
| Incident Status | Initial C-141 Approved |
| Incident Facility | [fAPP2123928971] CASCADE 29 FEDERAL 1 |

| | |
|-----------------------------------|----------------------|
| Location of Release Source | |
| Site Name | CASCADE 29 FEDERAL 1 |
| Date Release Discovered | 05/18/2025 |
| Surface Owner | Federal |

| | |
|---|---|
| Sampling Event General Information | |
| <i>Please answer all the questions in this group.</i> | |
| What is the sampling surface area in square feet | 120 |
| What is the estimated number of samples that will be gathered | 1 |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 11/26/2025 |
| Time sampling will commence | 08:00 AM |
| Please provide any information necessary for observers to contact samplers | Carmona Resources will be onsite to vertically delineate inside the containment area seen in Figures 3 & 4. We will be utilizing this sample to vertically delineate the deferral area under the containment. Once the sampling is completed, a crew will come in directly after the sampling crew to patch the containment where the hole was. A subsequent liner inspection will take place which will show the patch in place. |
| Please provide any information necessary for navigation to sampling site | 32.10775,-103.60119 |

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

CONDITIONS

Action 528717

CONDITIONS

| | |
|---|--|
| Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706 | OGRID: 215099 |
| | Action Number: 528717 |
| | Action Type: [NOTIFY] Notification Of Sampling (C-141N) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| athielke | Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted. | 11/21/2025 |
| athielke | If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application. | 11/21/2025 |

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

QUESTIONS

Action 528721

QUESTIONS

| | |
|---|--|
| Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706 | OGRID: 215099 |
| | Action Number: 528721 |
| | Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L) |

QUESTIONS

| | |
|----------------------|---|
| Prerequisites | |
| Incident ID (n#) | nAPP2513874115 |
| Incident Name | NAPP2513874115 CASCADE 29 FEDERAL 1 @ 0 |
| Incident Type | Oil Release |
| Incident Status | Initial C-141 Approved |
| Incident Facility | [fAPP2123928971] CASCADE 29 FEDERAL 1 |

| | |
|-----------------------------------|----------------------|
| Location of Release Source | |
| Site Name | CASCADE 29 FEDERAL 1 |
| Date Release Discovered | 05/18/2025 |
| Surface Owner | Federal |

| | |
|---|---|
| Liner Inspection Event Information | |
| <i>Please answer all the questions in this group.</i> | |
| What is the liner inspection surface area in square feet | 2,000 |
| 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 | 11/26/2025 |
| Time liner inspection will commence | 10:00 AM |
| Please provide any information necessary for observers to liner inspection | Carmona Resources will be onsite to vertically delineate inside the containment area seen in Figures 3 & 4. We will be utilizing this sample to vertically delineate the deferral area under the containment. Once the sampling is completed, a crew will come in directly after the sampling crew to patch the containment where the hole was. A subsequent liner inspection will take place which will show the patch in place. |
| Please provide any information necessary for navigation to liner inspection site | 32.10775,-103.60119 |

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Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Action 528721

CONDITIONS

| | |
|---|--|
| Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706 | OGRID: 215099 |
| | Action Number: 528721 |
| | Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| athielke | 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. | 11/21/2025 |



Liner Integrity Certification

The following serves to verify that the affected liner has been inspected and found to be in serviceable condition in accordance with 19.15.29.11 A.(5)(a)(i-ii) of the New Mexico Administrative Code.

Facility ID: FAPP2123928971

Date: 12/08/2025

Incident ID(s): nAPP2513874115

- Responsible Party has visually inspected the liner.
- Liner remains intact and was able to contain the leak in question.
- At least two business days' notice was given to the appropriate division district office before conducting the liner inspection.
- Photographs illustrating liner integrity are included.

APPENDIX D

CARMONA RESOURCES

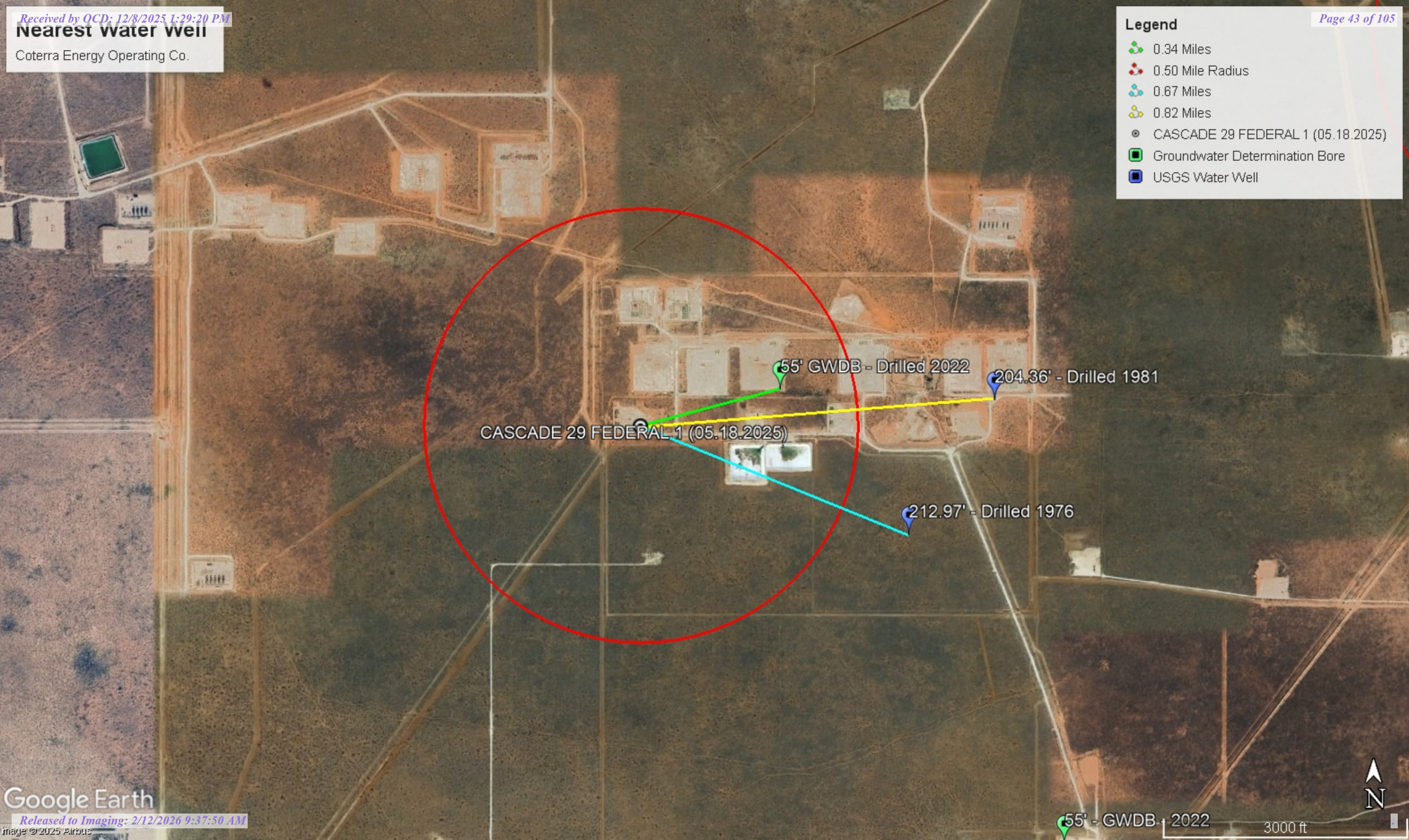


Nearest water well

Coterra Energy Operating Co.

Legend

- 0.34 Miles
- 0.50 Mile Radius
- 0.67 Miles
- 0.82 Miles
- CASCADE 29 FEDERAL 1 (05.18.2025)
- Groundwater Determination Bore
- USGS Water Well



Low Karst

Coterra Energy Operating Co.

Legend

- CASCADE 29 FEDERAL 1 (05.18.2025)
- Low
- Medium

CASCADE 29 FEDERAL 1 (05.18.2025)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are smallest to largest)

(meters)

(In feet)

| POD Number | Code | Sub basin | County | Q64 | Q16 | Q4 | Sec | Tws | Range | X | Y | Map | Distance | Well Depth | Depth Water | Water Column |
|------------------------------|------|-----------|--------|-----|-----|----|-----|-----|-------|----------|-----------|-----|----------|------------|-------------|--------------|
| C 04537 POD1 | | C | LE | SE | SE | SE | 31 | 25S | 33E | 631846.7 | 3550243.2 | | 2994 | 500 | 280 | 220 |
| C 04627 POD1 | | CUB | LE | SW | SW | SE | 08 | 25S | 33E | 632665.4 | 3556725.4 | | 3557 | | | |
| C 04698 POD1 | | CUB | LE | NE | NW | SE | 27 | 25S | 33E | 635651.9 | 3553287.5 | | 3676 | 80 | | |

Average Depth to Water: **280 feet**

Minimum Depth: **280 feet**

Maximum Depth: **280 feet**

Record Count: 3

UTM Filters (in meters):

Easting: 631976.00

Northing: 3553235.00

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.

SOIL BORE LOG

| | | | |
|-----------------|--------------------------------|------------------|--------------------------|
| Project: | Vaca Draw 20-17 Federal #012 H | Date: | September 21, 2022 |
| Type: | Exploratory Water Bore | Location: | Vaca Draw 20-17 Fed #12H |

| Depth | Soil Type | Classification | Comments |
|-----------------|---------------|----------------|--|
| 0-5' | Caliche | N/A | |
| 5-10' | Fine Red Sand | N/A | |
| 10-15' | Fine Red Sand | N/A | |
| 15-20' | Fine Red Sand | N/A | |
| 20-25' | Caliche | N/A | |
| 25-30' | Caliche | N/A | |
| 30-35' | Caliche | N/A | |
| 35-40' | Caliche | N/A | |
| 40-45' | Caliche | N/A | |
| 45-50' | Caliche | N/A | |
| 50-55' | Caliche | N/A | |
| Total Depth 55' | | | No groundwater 9/21/2022 No groundwater 9/26/2022 |
| | | | GPS: 32.10898,-103.59566 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |



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National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

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Groundwater levels for New Mexico

Click to hide state-specific text

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
• 320615103352601

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

USGS 320615103352601 25S.33E.20.443331

Lea County, New Mexico
Latitude 32°06'15", Longitude 103°35'26" NAD27
Land-surface elevation 3,404 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

| Date | Time | ? Water-level date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Status | ? Method of measurement | ? Measuring agency | ? Source of measurement |
|------------|------|-------------------------------------|---------------------|--------------------------------------|---|---------------------------|-------------|----------------------------|-----------------------|----------------------------|
| 1970-12-08 | | | D | 62610 | 3189.60 | NGVD29 | 1 | Z | | |
| 1970-12-08 | | | D | 62611 | 3191.23 | NAVD88 | 1 | Z | | |
| 1970-12-08 | | | D | 72019 | 212.77 | | 1 | Z | | |
| 1976-01-08 | | | D | 62610 | 3189.40 | NGVD29 | 1 | Z | | |
| 1976-01-08 | | | D | 62611 | 3191.03 | NAVD88 | 1 | Z | | |
| 1976-01-08 | | | D | 72019 | 212.97 | | 1 | Z | | |

Explanation

| Section | Code | Description |
|--------------------------------|--------|---|
| Water-level date-time accuracy | D | Date is accurate to the Day |
| Parameter code | 62610 | Groundwater level above NGVD 1929, feet |
| Parameter code | 62611 | Groundwater level above NAVD 1988, feet |
| Parameter code | 72019 | Depth to water level, feet below land surface |
| Referenced vertical datum | NAVD88 | North American Vertical Datum of 1988 |

5/19/25, 8:49 AM

| Section | Code | Description |
|-----------------------------|--------|--|
| Referenced vertical datum | NGVD29 | National Geodetic Vertical Datum of 1929 |
| Status | 1 | Static |
| Method of measurement | Z | Other. |
| Measuring agency | | Not determined |
| Source of measurement | | Not determined |
| Water-level approval status | A | Approved for publication -- Processing and review completed. |

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Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2025-05-19 09:48:55 EDT

0.32 0.24 nadww01

5/19/25, 8:46 AM

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

Groundwater New Mexico GO

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- Explore the [NEW USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for New Mexico

Click to hide state-specific text

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Search Results -- 1 sites found

Agency code = usgs
 site_no list =
 • 320615103352601

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

USGS 320615103352601 25S.33E.20.443331

Lea County, New Mexico
 Latitude 32°06'15", Longitude 103°35'26" NAD27
 Land-surface elevation 3,404 feet above NAVD88
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.
 This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

| Date | Time | ? Water-level date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Status | ? Method of measurement | ? Measuring agency | ? Source of measurement |
|------------|------|-------------------------------------|---------------------|--------------------------------------|---|---------------------------|-------------|----------------------------|-----------------------|----------------------------|
| 1970-12-08 | | | D | 62610 | 3189.60 | NGVD29 | 1 | Z | | |
| 1970-12-08 | | | D | 62611 | 3191.23 | NAVD88 | 1 | Z | | |
| 1970-12-08 | | | D | 72019 | 212.77 | | 1 | Z | | |
| 1976-01-08 | | | D | 62610 | 3189.40 | NGVD29 | 1 | Z | | |
| 1976-01-08 | | | D | 62611 | 3191.03 | NAVD88 | 1 | Z | | |
| 1976-01-08 | | | D | 72019 | 212.97 | | 1 | Z | | |

Explanation

| Section | Code | Description |
|--------------------------------|--------|---|
| Water-level date-time accuracy | D | Date is accurate to the Day |
| Parameter code | 62610 | Groundwater level above NGVD 1929, feet |
| Parameter code | 62611 | Groundwater level above NAVD 1988, feet |
| Parameter code | 72019 | Depth to water level, feet below land surface |
| Referenced vertical datum | NAVD88 | North American Vertical Datum of 1988 |

5/19/25, 8:46 AM

| Date | Time | ? Water-level date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? S |
|-----------------------------|------|---|--|---|---|---------------------------------|--------|
| Source of measurement | | Not determined | | | | | |
| Water-level approval status | | A | Approved for publication -- Processing and review completed. | | | | |

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Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>

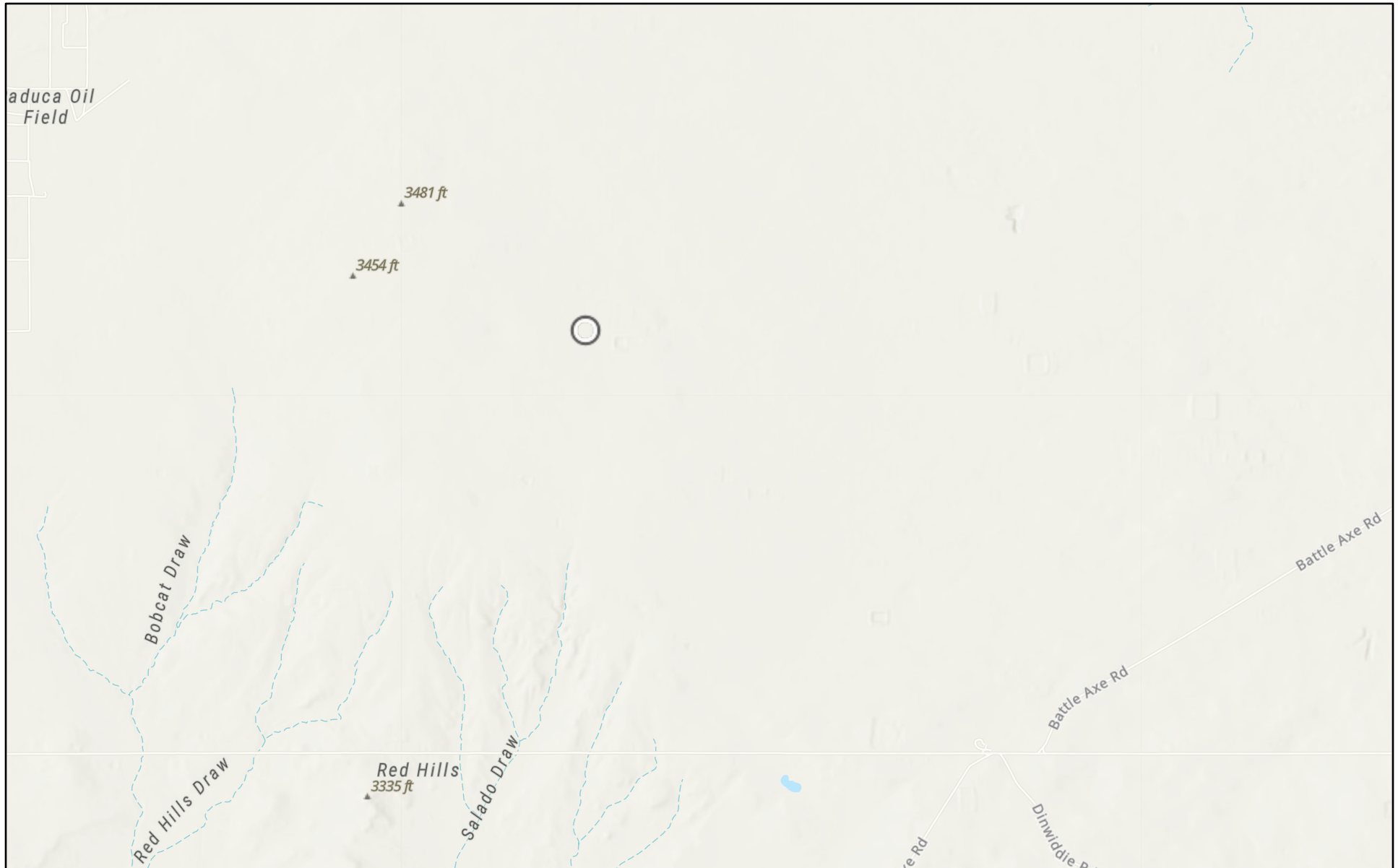


Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2025-05-19 09:45:45 EDT

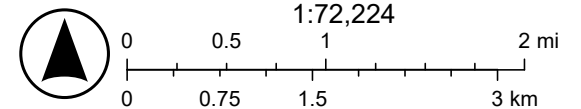
0.33 0.24 nadww02

CASCADE 29 FEDERAL 1 (05.18.2025)



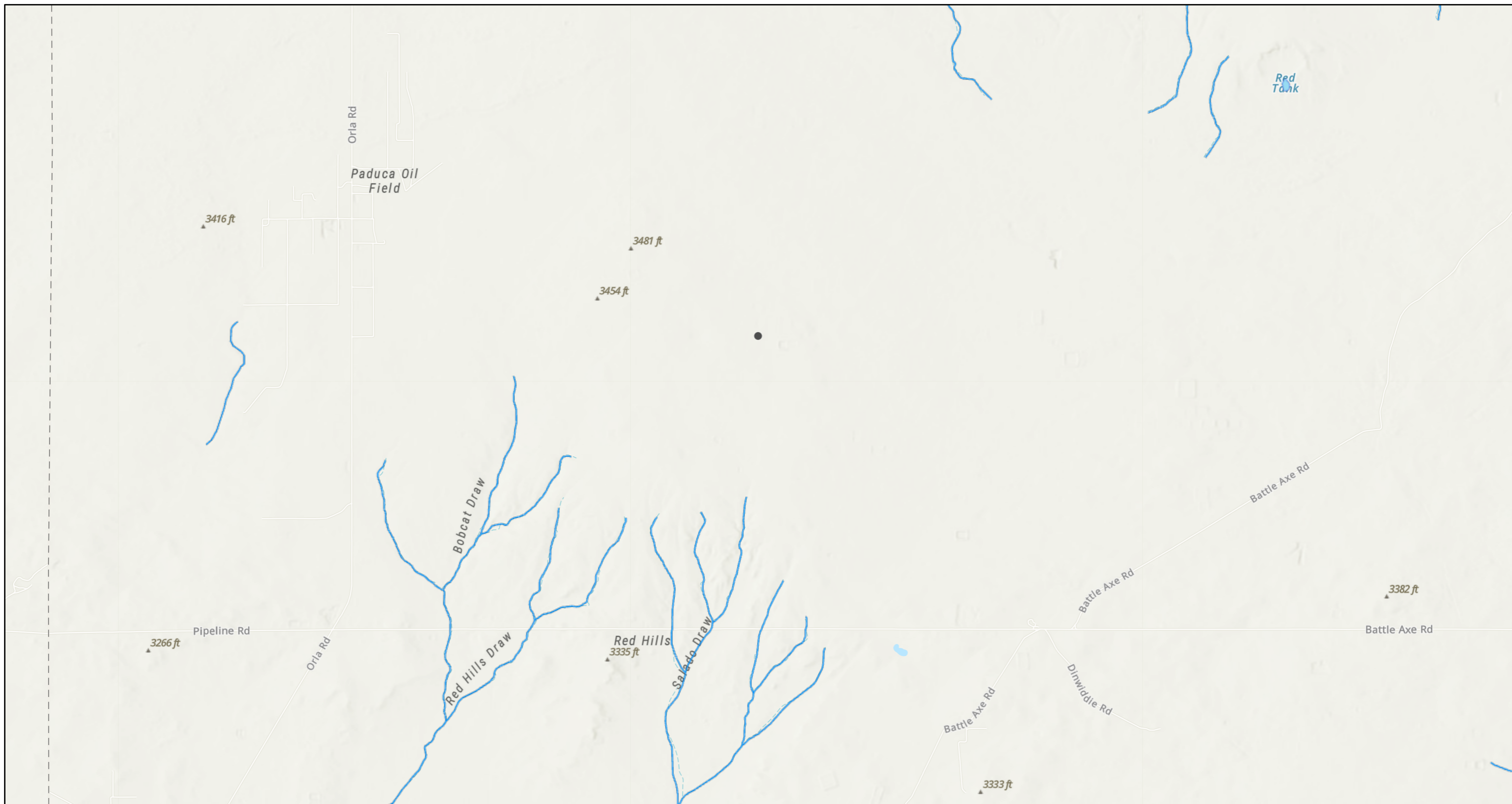
5/19/2025

World_Hillshade



Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User

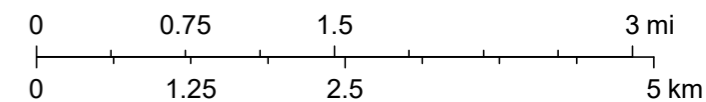
CASCADE 29 FEDERAL 1 (05.18.2025)



5/19/2025, 8:32:06 AM

- OSW Water Bodys
- OSE Streams

1:72,224



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APPENDIX E

CARMONA RESOURCES





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 13, 2025

ASHTON THIELKE
CARMONA RESOURCES
310 W WALL ST, SUITE 500
MIDLAND, TX 79701

RE: CASCADE 29 FEDERAL 1,2,5H CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/12/25 13:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

| | |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5) |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3) |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder".

Mike Snyder For Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/13/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: H - 1 (0-0.5') (H253501-01)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/12/2025 | ND | 1.91 | 95.5 | 2.00 | 5.54 | |
| Toluene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.01 | 100 | 2.00 | 5.31 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.00 | 99.8 | 2.00 | 4.89 | |
| Total Xylenes* | <0.150 | 0.150 | 06/12/2025 | ND | 5.94 | 99.0 | 6.00 | 5.49 | |
| Total BTEX | <0.300 | 0.300 | 06/12/2025 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 210 | 105 | 200 | 3.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/12/2025 | ND | 212 | 106 | 200 | 5.03 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | |

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

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*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/13/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: H - 2 (0-0.5') (H253501-02)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/12/2025 | ND | 1.91 | 95.5 | 2.00 | 5.54 | | |
| Toluene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.01 | 100 | 2.00 | 5.31 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.00 | 99.8 | 2.00 | 4.89 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/12/2025 | ND | 5.94 | 99.0 | 6.00 | 5.49 | | |
| Total BTEX | <0.300 | 0.300 | 06/12/2025 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 210 | 105 | 200 | 3.11 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/12/2025 | ND | 212 | 106 | 200 | 5.03 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | | |

Surrogate: 1-Chlorooctane 116 % 44.4-145

Surrogate: 1-Chlorooctadecane 117 % 40.6-153

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*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/13/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: H - 3 (0-0.5') (H253501-03)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/12/2025 | ND | 1.91 | 95.5 | 2.00 | 5.54 | |
| Toluene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.01 | 100 | 2.00 | 5.31 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.00 | 99.8 | 2.00 | 4.89 | |
| Total Xylenes* | <0.150 | 0.150 | 06/12/2025 | ND | 5.94 | 99.0 | 6.00 | 5.49 | |
| Total BTEX | <0.300 | 0.300 | 06/12/2025 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 210 | 105 | 200 | 3.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/12/2025 | ND | 212 | 106 | 200 | 5.03 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | |

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

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*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/13/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: H - 4 (0-0.5') (H253501-04)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/12/2025 | ND | 1.91 | 95.5 | 2.00 | 5.54 | | |
| Toluene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.01 | 100 | 2.00 | 5.31 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.00 | 99.8 | 2.00 | 4.89 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/12/2025 | ND | 5.94 | 99.0 | 6.00 | 5.49 | | |
| Total BTEX | <0.300 | 0.300 | 06/12/2025 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 210 | 105 | 200 | 3.11 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/12/2025 | ND | 212 | 106 | 200 | 5.03 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | | |

Surrogate: 1-Chlorooctane 90.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.2 % 40.6-153

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/13/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: H - 5 (0-0.5') (H253501-05)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/12/2025 | ND | 1.91 | 95.5 | 2.00 | 5.54 | |
| Toluene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.01 | 100 | 2.00 | 5.31 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.00 | 99.8 | 2.00 | 4.89 | |
| Total Xylenes* | <0.150 | 0.150 | 06/12/2025 | ND | 5.94 | 99.0 | 6.00 | 5.49 | |
| Total BTEX | <0.300 | 0.300 | 06/12/2025 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 210 | 105 | 200 | 3.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/12/2025 | ND | 212 | 106 | 200 | 5.03 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.2 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/13/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: H - 6 (0-0.5') (H253501-06)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/12/2025 | ND | 1.91 | 95.5 | 2.00 | 5.54 | | |
| Toluene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.01 | 100 | 2.00 | 5.31 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.00 | 99.8 | 2.00 | 4.89 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/12/2025 | ND | 5.94 | 99.0 | 6.00 | 5.49 | | |
| Total BTEX | <0.300 | 0.300 | 06/12/2025 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 210 | 105 | 200 | 3.11 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/12/2025 | ND | 212 | 106 | 200 | 5.03 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | | |

Surrogate: 1-Chlorooctane 99.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/13/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: H - 7 (0-0.5') (H253501-07)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/12/2025 | ND | 1.91 | 95.5 | 2.00 | 5.54 | | |
| Toluene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.01 | 100 | 2.00 | 5.31 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.00 | 99.8 | 2.00 | 4.89 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/12/2025 | ND | 5.94 | 99.0 | 6.00 | 5.49 | | |
| Total BTEX | <0.300 | 0.300 | 06/12/2025 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 210 | 105 | 200 | 3.11 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/12/2025 | ND | 212 | 106 | 200 | 5.03 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | | |

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/13/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: H - 8 (0-0.5') (H253501-08)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/12/2025 | ND | 1.91 | 95.5 | 2.00 | 5.54 | |
| Toluene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.01 | 100 | 2.00 | 5.31 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.00 | 99.8 | 2.00 | 4.89 | |
| Total Xylenes* | <0.150 | 0.150 | 06/12/2025 | ND | 5.94 | 99.0 | 6.00 | 5.49 | |
| Total BTEX | <0.300 | 0.300 | 06/12/2025 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 210 | 105 | 200 | 3.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/12/2025 | ND | 212 | 106 | 200 | 5.03 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | |

Surrogate: 1-Chlorooctane 114 % 44.4-145

Surrogate: 1-Chlorooctadecane 115 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/13/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: H - 9 (0-0.5') (H253501-09)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/12/2025 | ND | 1.91 | 95.5 | 2.00 | 5.54 | | |
| Toluene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.01 | 100 | 2.00 | 5.31 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.00 | 99.8 | 2.00 | 4.89 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/12/2025 | ND | 5.94 | 99.0 | 6.00 | 5.49 | | |
| Total BTEX | <0.300 | 0.300 | 06/12/2025 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 210 | 105 | 200 | 3.11 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/12/2025 | ND | 212 | 106 | 200 | 5.03 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | | |

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/13/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: H - 10 (0-0.5') (H253501-10)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/12/2025 | ND | 1.91 | 95.5 | 2.00 | 5.54 | | |
| Toluene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.01 | 100 | 2.00 | 5.31 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.00 | 99.8 | 2.00 | 4.89 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/12/2025 | ND | 5.94 | 99.0 | 6.00 | 5.49 | | |
| Total BTEX | <0.300 | 0.300 | 06/12/2025 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 210 | 105 | 200 | 3.11 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/12/2025 | ND | 212 | 106 | 200 | 5.03 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | | |

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 115 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/13/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: H - 11 (0-0.5') (H253501-11)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/12/2025 | ND | 1.91 | 95.5 | 2.00 | 5.54 | |
| Toluene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.01 | 100 | 2.00 | 5.31 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.00 | 99.8 | 2.00 | 4.89 | |
| Total Xylenes* | <0.150 | 0.150 | 06/12/2025 | ND | 5.94 | 99.0 | 6.00 | 5.49 | |
| Total BTEX | <0.300 | 0.300 | 06/12/2025 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 210 | 105 | 200 | 3.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/12/2025 | ND | 212 | 106 | 200 | 5.03 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | |

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/13/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: H - 12 (0-0.5') (H253501-12)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/12/2025 | ND | 1.91 | 95.5 | 2.00 | 5.54 | | |
| Toluene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.01 | 100 | 2.00 | 5.31 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.00 | 99.8 | 2.00 | 4.89 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/12/2025 | ND | 5.94 | 99.0 | 6.00 | 5.49 | | |
| Total BTEX | <0.300 | 0.300 | 06/12/2025 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 210 | 105 | 200 | 3.11 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/12/2025 | ND | 212 | 106 | 200 | 5.03 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | | |

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/13/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: H - 13 (0-0.5') (H253501-13)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/12/2025 | ND | 1.91 | 95.5 | 2.00 | 5.54 | |
| Toluene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.01 | 100 | 2.00 | 5.31 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.00 | 99.8 | 2.00 | 4.89 | |
| Total Xylenes* | <0.150 | 0.150 | 06/12/2025 | ND | 5.94 | 99.0 | 6.00 | 5.49 | |
| Total BTEX | <0.300 | 0.300 | 06/12/2025 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 210 | 105 | 200 | 3.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/12/2025 | ND | 212 | 106 | 200 | 5.03 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | |

Surrogate: 1-Chlorooctane 114 % 44.4-145

Surrogate: 1-Chlorooctadecane 114 % 40.6-153

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*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H953501

Page 1 of 2

| | | | |
|------------------|------------------------|-------------------------|---|
| Project Manager: | Ashton Thielke | Bill to: (if different) | Laci Lujig |
| Company Name: | Carrmona Resources | Company Name: | Cimatex Energy |
| Address: | 310 West Wall Ste. 500 | Address: | 600 N Marientfield St. Suite 600 |
| City, State ZIP: | Midland, TX 79701 | City, State ZIP: | Midland, TX 79701 |
| Phone: | 432-813-8988 | Email: | laci.lujig@colerra.com & ashton.thielke@colerra.com |

| | |
|---|------------------------------------|
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Upertund <input type="checkbox"/> State of Project: | |
| Reporting Level II <input type="checkbox"/> | Level III <input type="checkbox"/> |
| PST/UST <input type="checkbox"/> | RRP <input type="checkbox"/> |
| Level IV <input type="checkbox"/> | Other: <input type="checkbox"/> |
| Deliverables: EDD <input type="checkbox"/> | ADAPT <input type="checkbox"/> |

| | | | | | | |
|-------------------|---------------------------------|-------------|----------------------------------|--|-----------|-------|
| Project Name: | Cascade 29 Federal 1, 2, 5H CTB | Turn Around | <input type="checkbox"/> Routine | <input checked="" type="checkbox"/> Rush | Due Date: | 48 hr |
| Project Number: | 2740 | | | | | |
| Project Location: | Lea County, NM | | | | | |
| Sampler's Name: | JDC | | | | | |
| PO #: | | | | | | |

| | | | | |
|-----------------------|---|---|----------|---|
| SAMPLE RECEIPT | Temp. Blank: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Wet Ice: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| Received Intact: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Thermometer ID: | 140 | |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Correction Factor: | 1.73 | |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Temperature Reading: | 1.73 | |
| Total Containers: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Corrected Temperature: | 2.0 | |

| Sample Identification | Date | Time | Soil | Depth | Grab/Comp | # of Cont | Parameters | Preservative Codes | Sample Comments |
|-----------------------|-----------|------|------|-------|-----------|-----------|-----------------------------|---|-----------------|
| H-1 (0-0.5') | 6/11/2025 | | X | | Grab | 1 | BTEX 8021B | None: NO | |
| H-2 (0-0.5') | 6/11/2025 | | X | | Grab | 1 | TPH 8015M (GRO + DRO + MRO) | DI Water: H ₂ O | |
| H-3 (0-0.5') | 6/11/2025 | | X | | Grab | 1 | Chloride 4500 | Cool: Cool | |
| H-4 (0-0.5') | 6/11/2025 | | X | | Grab | 1 | | HCL: HC | |
| H-5 (0-0.5') | 6/11/2025 | | X | | Grab | 1 | | H ₂ SO ₄ : H ₂ | |
| H-6 (0-0.5') | 6/11/2025 | | X | | Grab | 1 | | H ₃ PO ₄ : HP | |
| H-7 (0-0.5') | 6/11/2025 | | X | | Grab | 1 | | NaHSO ₄ : NABIS | |
| H-8 (0-0.5') | 6/11/2025 | | X | | Grab | 1 | | Na ₂ S ₂ O ₃ : NaSO ₃ | |
| H-9 (0-0.5') | 6/11/2025 | | X | | Grab | 1 | | Zn Acetate+NaOH: Zn | |
| H-10 (0-0.5') | 6/11/2025 | | X | | Grab | 1 | | NaOH+Ascorbic Acid: SAPC | |

Please send results to cmoehring@carrmonaresources.com and mcarmona@carrmonaresources.com

| | | | | | |
|------------------------------|--------------------------|---------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| <i>[Signature]</i> | <i>[Signature]</i> | 10-18-25 1553 | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Chain of Custody

Work Order No: HS3501

Page 2 of 2

| | | | |
|------------------|------------------------|-------------------------|---|
| Project Manager: | Ashton Thielke | Bill to: (if different) | Laci Lujig |
| Company Name: | Carmona Resources | Company Name: | Cimarex Energy |
| Address: | 310 West Wall Ste. 500 | Address: | 600 N Marlenfield St. Suite 600 |
| City, State ZIP: | Midland, TX 79701 | City, State ZIP: | Midland, TX 79701 |
| Phone: | 432-813-8988 | Email: | laci.lujig@coterra.com & ashton.thielke@coterra.com |

| | |
|---------------------|--|
| Work Order Comments | |
| Program: UST/PST | <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund |
| State of Project: | |
| Reporting Level II | <input type="checkbox"/> Level III <input type="checkbox"/> P-ST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV |
| Deliverables: EDD | <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: |

| | | | | | | |
|-----------------------|---------------------------------|------------------------|---|------------|-----|----|
| Project Name: | Cascade 29 Federal 1, 2, 5H CTB | Turn Around | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code | | |
| Project Number: | 2740 | Due Date: | 48 Hr | | | |
| Project Location: | Lea County, NM | | | | | |
| Sampler's Name: | JDC | | | | | |
| PO #: | | | | | | |
| SAMPLE RECEIPT | Temp Blank: | Yes | No | Wet Ice: | Yes | No |
| Received In tact: | Yes | No | Thermometer ID: | 140 | | |
| Cooler Custody Seals: | Yes | No | Correction Factor: | 10.3: | | |
| Sample Custody Seals: | Yes | No | Temperature Reading: | 1.7: | | |
| Total Containers: | | Corrected Temperature: | 2.0: | | | |

| Sample Identification | Date | Time | Soil | Depth | Grab/Comp | # of Cont | Parameters | ANALYSIS REQUEST | Preservative Codes | Sample Comments |
|-----------------------|-----------|------|------|-------|-----------|-----------|------------------------------|------------------|--|-----------------|
| H-11 (0-0.5') | 6/11/2025 | | X | | Grab | 1 | BTEX 8021B | | None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ | |
| H-12 (0-0.5') | 6/11/2025 | | X | | Grab | 1 | TPH 8015M (GRO + DRO + MRO) | | DI Water: H ₂ O MeOH: Me HNO ₃ : HN NaOH: Na | |
| H-13 (0-0.5') | 6/11/2025 | | X | | Grab | 1 | Chloride 4500 | | HOLD | 11 13 |

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

| | | | | | |
|------------------------------|--------------------------|-------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| <i>Ande</i> | <i>Stockman</i> | 0.00.35 BSR | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Revised Date 05/12/2020 Rev. 2020.1



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 16, 2025

ASHTON THIELKE
CARMONA RESOURCES
310 W WALL ST, SUITE 500
MIDLAND, TX 79701

RE: CASCADE 29 FEDERAL 1,2,5H CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/12/25 13:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

| | |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5) |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3) |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/16/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: CS - 1 (0.5') (H253503-01)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/12/2025 | ND | 1.91 | 95.5 | 2.00 | 5.54 | |
| Toluene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.01 | 100 | 2.00 | 5.31 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.00 | 99.8 | 2.00 | 4.89 | |
| Total Xylenes* | <0.150 | 0.150 | 06/12/2025 | ND | 5.94 | 99.0 | 6.00 | 5.49 | |
| Total BTEX | <0.300 | 0.300 | 06/12/2025 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 7.14 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 210 | 105 | 200 | 3.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/12/2025 | ND | 212 | 106 | 200 | 5.03 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | |

Surrogate: 1-Chlorooctane 114 % 44.4-145

Surrogate: 1-Chlorooctadecane 114 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/16/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: CS - 2 (0.5') (H253503-02)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/12/2025 | ND | 1.91 | 95.5 | 2.00 | 5.54 | |
| Toluene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.01 | 100 | 2.00 | 5.31 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/12/2025 | ND | 2.00 | 99.8 | 2.00 | 4.89 | |
| Total Xylenes* | <0.150 | 0.150 | 06/12/2025 | ND | 5.94 | 99.0 | 6.00 | 5.49 | |
| Total BTEX | <0.300 | 0.300 | 06/12/2025 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 7.14 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 210 | 105 | 200 | 3.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/12/2025 | ND | 212 | 106 | 200 | 5.03 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/16/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: CS - 3 (0.5') (H253503-03)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/13/2025 | ND | 2.07 | 103 | 2.00 | 7.87 | |
| Toluene* | <0.050 | 0.050 | 06/13/2025 | ND | 1.88 | 94.2 | 2.00 | 8.31 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/13/2025 | ND | 1.87 | 93.7 | 2.00 | 6.41 | |
| Total Xylenes* | <0.150 | 0.150 | 06/13/2025 | ND | 5.83 | 97.1 | 6.00 | 6.10 | |
| Total BTEX | <0.300 | 0.300 | 06/13/2025 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 7.14 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 195 | 97.7 | 200 | 5.70 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/12/2025 | ND | 218 | 109 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | |

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 116 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/16/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: CS - 4 (0.5') (H253503-04)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/13/2025 | ND | 2.07 | 103 | 2.00 | 7.87 | |
| Toluene* | <0.050 | 0.050 | 06/13/2025 | ND | 1.88 | 94.2 | 2.00 | 8.31 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/13/2025 | ND | 1.87 | 93.7 | 2.00 | 6.41 | |
| Total Xylenes* | <0.150 | 0.150 | 06/13/2025 | ND | 5.83 | 97.1 | 6.00 | 6.10 | |
| Total BTEX | <0.300 | 0.300 | 06/13/2025 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 7.14 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 195 | 97.7 | 200 | 5.70 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/12/2025 | ND | 218 | 109 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | |

Surrogate: 1-Chlorooctane 120 % 44.4-145

Surrogate: 1-Chlorooctadecane 123 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/16/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: CS - 5 (0.5') (H253503-05)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/13/2025 | ND | 2.07 | 103 | 2.00 | 7.87 | |
| Toluene* | <0.050 | 0.050 | 06/13/2025 | ND | 1.88 | 94.2 | 2.00 | 8.31 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/13/2025 | ND | 1.87 | 93.7 | 2.00 | 6.41 | |
| Total Xylenes* | <0.150 | 0.150 | 06/13/2025 | ND | 5.83 | 97.1 | 6.00 | 6.10 | |
| Total BTEX | <0.300 | 0.300 | 06/13/2025 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 7.14 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 195 | 97.7 | 200 | 5.70 | |
| DRO >C10-C28* | 12.5 | 10.0 | 06/12/2025 | ND | 218 | 109 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | |

Surrogate: 1-Chlorooctane 116 % 44.4-145

Surrogate: 1-Chlorooctadecane 119 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/16/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: CS - 6 (0.5') (H253503-06)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/13/2025 | ND | 2.07 | 103 | 2.00 | 7.87 | |
| Toluene* | <0.050 | 0.050 | 06/13/2025 | ND | 1.88 | 94.2 | 2.00 | 8.31 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/13/2025 | ND | 1.87 | 93.7 | 2.00 | 6.41 | |
| Total Xylenes* | <0.150 | 0.150 | 06/13/2025 | ND | 5.83 | 97.1 | 6.00 | 6.10 | |
| Total BTEX | <0.300 | 0.300 | 06/13/2025 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 7.14 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 195 | 97.7 | 200 | 5.70 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/12/2025 | ND | 218 | 109 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | |

Surrogate: 1-Chlorooctane 92.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.1 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/16/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: CS - 7 (0.5') (H253503-07)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/13/2025 | ND | 2.07 | 103 | 2.00 | 7.87 | | |
| Toluene* | <0.050 | 0.050 | 06/13/2025 | ND | 1.88 | 94.2 | 2.00 | 8.31 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/13/2025 | ND | 1.87 | 93.7 | 2.00 | 6.41 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/13/2025 | ND | 5.83 | 97.1 | 6.00 | 6.10 | | |
| Total BTEX | <0.300 | 0.300 | 06/13/2025 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 7.14 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 195 | 97.7 | 200 | 5.70 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/12/2025 | ND | 218 | 109 | 200 | 4.26 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | | |

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 112 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/16/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: CS - 8 (0.5') (H253503-08)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/13/2025 | ND | 2.07 | 103 | 2.00 | 7.87 | | |
| Toluene* | <0.050 | 0.050 | 06/13/2025 | ND | 1.88 | 94.2 | 2.00 | 8.31 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/13/2025 | ND | 1.87 | 93.7 | 2.00 | 6.41 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/13/2025 | ND | 5.83 | 97.1 | 6.00 | 6.10 | | |
| Total BTEX | <0.300 | 0.300 | 06/13/2025 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 7.14 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 195 | 97.7 | 200 | 5.70 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/12/2025 | ND | 218 | 109 | 200 | 4.26 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | | |

Surrogate: 1-Chlorooctane 115 % 44.4-145

Surrogate: 1-Chlorooctadecane 119 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/16/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: CS - 9 (0.5') (H253503-09)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/13/2025 | ND | 2.07 | 103 | 2.00 | 7.87 | | |
| Toluene* | <0.050 | 0.050 | 06/13/2025 | ND | 1.88 | 94.2 | 2.00 | 8.31 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/13/2025 | ND | 1.87 | 93.7 | 2.00 | 6.41 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/13/2025 | ND | 5.83 | 97.1 | 6.00 | 6.10 | | |
| Total BTEX | <0.300 | 0.300 | 06/13/2025 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 128 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 7.14 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 195 | 97.7 | 200 | 5.70 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/12/2025 | ND | 218 | 109 | 200 | 4.26 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | | |

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 115 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/16/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: CS - 10 (0.5') (H253503-10)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/13/2025 | ND | 2.07 | 103 | 2.00 | 7.87 | | |
| Toluene* | <0.050 | 0.050 | 06/13/2025 | ND | 1.88 | 94.2 | 2.00 | 8.31 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/13/2025 | ND | 1.87 | 93.7 | 2.00 | 6.41 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/13/2025 | ND | 5.83 | 97.1 | 6.00 | 6.10 | | |
| Total BTEX | <0.300 | 0.300 | 06/13/2025 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 7.14 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 195 | 97.7 | 200 | 5.70 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/12/2025 | ND | 218 | 109 | 200 | 4.26 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | | |

Surrogate: 1-Chlorooctane 117 % 44.4-145

Surrogate: 1-Chlorooctadecane 121 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/12/2025 | Sampling Date: | 06/11/2025 |
| Reported: | 06/16/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: CS - 11 (0.5') (H253503-11)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/13/2025 | ND | 2.07 | 103 | 2.00 | 7.87 | | |
| Toluene* | <0.050 | 0.050 | 06/13/2025 | ND | 1.88 | 94.2 | 2.00 | 8.31 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/13/2025 | ND | 1.87 | 93.7 | 2.00 | 6.41 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/13/2025 | ND | 5.83 | 97.1 | 6.00 | 6.10 | | |
| Total BTEX | <0.300 | 0.300 | 06/13/2025 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 06/13/2025 | ND | 432 | 108 | 400 | 7.14 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|-------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 06/12/2025 | ND | 195 | 97.7 | 200 | 5.70 | | |
| DRO >C10-C28* | 12.2 | 10.0 | 06/12/2025 | ND | 218 | 109 | 200 | 4.26 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/12/2025 | ND | | | | | | |

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 114 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 1853503

Page 1 of 2

| | | | |
|------------------|------------------------|-------------------------|--|
| Project Manager: | Ashton Thielke | Bill to: (if different) | Laci Luij |
| Company Name: | Carrona Resources | Company Name: | Cimarex Energy |
| Address: | 310 West Wall Ste. 500 | Address: | 600 N Marrenfield St, Suite 600 |
| City, State ZIP: | Midland, TX 79701 | City, State ZIP: | Midland, TX 79701 |
| Phone: | 432-813-8988 | Email: | laci.luij@colerra.com & ashton.thielke@colerra.com |

| | |
|--|--|
| Work Order Comments | |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> | State of Project: |
| Reporting Level: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> | Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: |

| | | | | | |
|-----------------------|---|---|---|---|--|
| Project Name: | Cascade 29 Federal 1, 2, 5H CTB | Turn Around | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code | |
| Project Number: | 2740 | Due Date: | 48 hr. | | |
| Project Location: | Lea County, NM | | | | |
| Sampler's Name: | JDC | | | | |
| PO #: | | | | | |
| SAMPLE RECEIPT | Temp Blank: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Wet Ice: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | |
| Received Intact: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Thermometer ID: | 140 | | |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Correction Factor: | 10.3 | | |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Temperature Reading: | 1.7 | | |
| Total Containers: | | Corrected Temperature: | 8.0 | | |

| Sample Identification | Date | Time | Soil | Depth | Grav/Comp | # of Cont | Parameters | Preservative Codes | Sample Comments |
|-----------------------|-----------|------|------|-------|-----------|-----------|------------------------------|---|----------------------------|
| CS-1 (0.5') | 6/11/2025 | | X | | C | 1 | BTEX 8021B | None: NO | DI Water: H ₂ O |
| CS-2 (0.5') | 6/11/2025 | | X | | C | 1 | TPH 8015M (GRO + DRO + MRO) | Cool: Cool | MeOH: Me |
| CS-3 (0.5') | 6/11/2025 | | X | | C | 1 | Chloride 4500 | HCL: HC | HNO ₃ : HN |
| CS-4 (0.5') | 6/11/2025 | | X | | C | 1 | | H ₂ SO ₄ : H ₂ | NaOH: Na |
| CS-5 (0.5') | 6/11/2025 | | X | | C | 1 | | H ₃ PO ₄ : HP | |
| CS-6 (0.5') | 6/11/2025 | | X | | C | 1 | | NaHSO ₄ : NABIS | |
| CS-7 (0.5') | 6/11/2025 | | X | | C | 1 | | Na ₂ S ₂ O ₃ : NaSO ₃ | |
| CS-8 (0.5') | 6/11/2025 | | X | | C | 1 | | Zn Acetate+NaOH: Zn | |
| CS-9 (0.5') | 6/11/2025 | | X | | C | 1 | | NaOH+Ascorbic Acid: SAPC | |
| CS-10 (0.5') | 6/11/2025 | | X | | C | 1 | | | |

Please send results to cmoehring@carronarresources.com and mcarrona@carronarresources.com

| | | | | | |
|------------------------------|--------------------------|-----------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| <i>[Signature]</i> | <i>[Signature]</i> | 6/11/2025 15:22 | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Revised Date 05/12/2020 Rev. 2020.1



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 01, 2025

ASHTON THIELKE
CARMONA RESOURCES
310 W WALL ST, SUITE 500
MIDLAND, TX 79701

RE: CASCADE 29 FEDERAL 1,2,5H CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/27/25 13:42.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

| | |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5) |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3) |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|------------------|
| Received: | 06/27/2025 | Sampling Date: | 06/27/2025 |
| Reported: | 07/01/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: BACKFILL (H253901-01)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/27/2025 | ND | 1.93 | 96.3 | 2.00 | 4.88 | |
| Toluene* | <0.050 | 0.050 | 06/27/2025 | ND | 2.01 | 101 | 2.00 | 3.07 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/27/2025 | ND | 1.99 | 99.7 | 2.00 | 2.92 | |
| Total Xylenes* | <0.150 | 0.150 | 06/27/2025 | ND | 5.88 | 98.0 | 6.00 | 2.87 | |
| Total BTEX | <0.300 | 0.300 | 06/27/2025 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 71.5-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: KH | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 06/30/2025 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2025 | ND | 213 | 106 | 200 | 5.66 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/27/2025 | ND | 215 | 107 | 200 | 5.65 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/27/2025 | ND | | | | | |

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 02, 2025

ASHTON THIELKE
CARMONA RESOURCES
310 W WALL ST, SUITE 500
MIDLAND, TX 79701

RE: CASCADE 29 FEDERAL 1,2,5H CTB

Enclosed are the results of analyses for samples received by the laboratory on 11/26/25 12:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

| | |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5) |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3) |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 11/26/2025 | Sampling Date: | 11/26/2025 |
| Reported: | 12/02/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Tamara Oldaker |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: S - 1 (0-1.0') (H257445-01)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/26/2025 | ND | 1.84 | 92.1 | 2.00 | 8.37 | |
| Toluene* | <0.050 | 0.050 | 11/26/2025 | ND | 2.17 | 108 | 2.00 | 4.15 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/26/2025 | ND | 2.20 | 110 | 2.00 | 3.33 | |
| Total Xylenes* | <0.150 | 0.150 | 11/26/2025 | ND | 6.75 | 113 | 6.00 | 3.03 | |
| Total BTEX | <0.300 | 0.300 | 11/26/2025 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 12/01/2025 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/27/2025 | ND | 186 | 92.8 | 200 | 1.23 | |
| DRO >C10-C28* | 27.5 | 10.0 | 11/27/2025 | ND | 202 | 101 | 200 | 3.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/27/2025 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.1 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 11/26/2025 | Sampling Date: | 11/26/2025 |
| Reported: | 12/02/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Tamara Oldaker |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: S - 1 (1.5') (H257445-02)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | S-04 | | |
|-----------------------|-------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 11/28/2025 | ND | 1.84 | 92.1 | 2.00 | 8.37 | | |
| Toluene* | <0.050 | 0.050 | 11/28/2025 | ND | 2.17 | 108 | 2.00 | 4.15 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/28/2025 | ND | 2.20 | 110 | 2.00 | 3.33 | GC-NC | |
| Total Xylenes* | 2.19 | 0.150 | 11/28/2025 | ND | 6.75 | 113 | 6.00 | 3.03 | GC-NC1 | |
| Total BTEX | 2.19 | 0.300 | 11/28/2025 | ND | | | | | GC-NC1 | |

Surrogate: 4-Bromofluorobenzene (PID) 220 % 70.4-141

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 64.0 | 16.0 | 12/01/2025 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | 203 | 10.0 | 11/27/2025 | ND | 186 | 92.8 | 200 | 1.23 | | |
| DRO >C10-C28* | 2500 | 10.0 | 11/27/2025 | ND | 202 | 101 | 200 | 3.02 | | |
| EXT DRO >C28-C36 | 375 | 10.0 | 11/27/2025 | ND | | | | | | |

Surrogate: 1-Chlorooctane 110 % 52.4-130

Surrogate: 1-Chlorooctadecane 136 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 11/26/2025 | Sampling Date: | 11/26/2025 |
| Reported: | 12/02/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Tamara Oldaker |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: S - 1 (2.0') (H257445-03)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 11/26/2025 | ND | 1.84 | 92.1 | 2.00 | 8.37 | | |
| Toluene* | <0.050 | 0.050 | 11/26/2025 | ND | 2.17 | 108 | 2.00 | 4.15 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/26/2025 | ND | 2.20 | 110 | 2.00 | 3.33 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/26/2025 | ND | 6.75 | 113 | 6.00 | 3.03 | | |
| Total BTEX | <0.300 | 0.300 | 11/26/2025 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 192 | 16.0 | 12/01/2025 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 11/27/2025 | ND | 186 | 92.8 | 200 | 1.23 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/27/2025 | ND | 202 | 101 | 200 | 3.02 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/27/2025 | ND | | | | | | |

Surrogate: 1-Chlorooctane 87.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 11/26/2025 | Sampling Date: | 11/26/2025 |
| Reported: | 12/02/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Tamara Oldaker |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: S - 1 (3.0') (H257445-04)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 11/26/2025 | ND | 1.84 | 92.1 | 2.00 | 8.37 | | |
| Toluene* | <0.050 | 0.050 | 11/26/2025 | ND | 2.17 | 108 | 2.00 | 4.15 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/26/2025 | ND | 2.20 | 110 | 2.00 | 3.33 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/26/2025 | ND | 6.75 | 113 | 6.00 | 3.03 | | |
| Total BTEX | <0.300 | 0.300 | 11/26/2025 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 384 | 16.0 | 12/01/2025 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 11/27/2025 | ND | 186 | 92.8 | 200 | 1.23 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/27/2025 | ND | 202 | 101 | 200 | 3.02 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/27/2025 | ND | | | | | | |

Surrogate: 1-Chlorooctane 87.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.0 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 11/26/2025 | Sampling Date: | 11/26/2025 |
| Reported: | 12/02/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Tamara Oldaker |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: S - 1 (4.0') (H257445-05)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/26/2025 | ND | 1.84 | 92.1 | 2.00 | 8.37 | |
| Toluene* | <0.050 | 0.050 | 11/26/2025 | ND | 2.17 | 108 | 2.00 | 4.15 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/26/2025 | ND | 2.20 | 110 | 2.00 | 3.33 | |
| Total Xylenes* | <0.150 | 0.150 | 11/26/2025 | ND | 6.75 | 113 | 6.00 | 3.03 | |
| Total BTEX | <0.300 | 0.300 | 11/26/2025 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 12/01/2025 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/27/2025 | ND | 186 | 92.8 | 200 | 1.23 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/27/2025 | ND | 202 | 101 | 200 | 3.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/27/2025 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.3 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 11/26/2025 | Sampling Date: | 11/26/2025 |
| Reported: | 12/02/2025 | Sampling Type: | Soil |
| Project Name: | CASCADE 29 FEDERAL 1,2,5H CTB | Sampling Condition: | Cool & Intact |
| Project Number: | 2740 | Sample Received By: | Tamara Oldaker |
| Project Location: | CIMAREX - LEA CO NM | | |

Sample ID: S - 1 (5.0') (H257445-06)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 11/26/2025 | ND | 1.84 | 92.1 | 2.00 | 8.37 | | |
| Toluene* | <0.050 | 0.050 | 11/26/2025 | ND | 2.17 | 108 | 2.00 | 4.15 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/26/2025 | ND | 2.20 | 110 | 2.00 | 3.33 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/26/2025 | ND | 6.75 | 113 | 6.00 | 3.03 | | |
| Total BTEX | <0.300 | 0.300 | 11/26/2025 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 118 % 70.4-141

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 384 | 16.0 | 12/01/2025 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 12/02/2025 | ND | 162 | 80.9 | 200 | 2.10 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/02/2025 | ND | 169 | 84.3 | 200 | 1.17 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/02/2025 | ND | | | | | | |

Surrogate: 1-Chlorooctane 82.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.6 % 39.9-141

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: HS7445

Page 1 of 1

Page 9 of 9

| | | | |
|------------------|------------------------|-------------------------|--|
| Project Manager: | Ashton Thielke | Bill to: (if different) | Laci Luig |
| Company Name: | Carmona Resources | Company Name: | Cimarex Energy |
| Address: | 310 West Wall Ste. 500 | Address: | 600 N Marrenfield St, Suite 600 |
| City, State ZIP: | Midland, TX 79701 | City, State ZIP: | Midland, TX 79701 |
| Phone: | 432-813-8988 | Email: | laci.luig@coterra.com & ashton.thielke@coterra.com |

| | |
|--|--|
| Work Order Comments | |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> | |
| State of Proj. : t: | |
| Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> FRPP <input type="checkbox"/> Level IV <input type="checkbox"/> | |
| Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: | |

| | | | | | | | |
|-----------------------|---|---|--|----------------------|--|------------------|--|
| Project Name: | Cascade 29 Federal 1, 2, 5H CTB | Turn Around | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code | | ANALYSIS REQUEST | Preservative Codes |
| Project Number: | 2740 | Due Date: | 48 hr. | | | | None: NO DI Water: H ₂ O Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC |
| Project Location: | Lea County, NM | | | | | | |
| Sampler's Name: | JDC | | | | | | |
| PO #: | | | | | | | |
| SAMPLE RECEIPT | Tamp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Thermometer ID: #140 | | | |
| Received Intact: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Correction Factor: #0.30 | | | | | |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Temperature Reading: 3.7c | | | | | |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Corrected Temperature: 4.0c | | | | | |
| Total Containers: | | | | | | | |

| Sample Identification | Date | Time | Soil | Depth | Grab/Comp | # of Cont | Parameters | Sample Comments |
|-----------------------|------------|------|------|-------|-----------|-----------|------------------------------|-----------------|
| S-1 (0-1.0') | 11/26/2025 | | X | | G | 1 | BTEX 8021B | |
| S-1 (1.5') | 11/26/2025 | | X | | G | 1 | TPH 8015M (GRO + DRO + MRO) | |
| S-1 (2.0') | 11/26/2025 | | X | | G | 1 | Chloride 4500 | |
| S-1 (3.0') | 11/26/2025 | | X | | G | 1 | | |
| S-1 (4.0') | 11/26/2025 | | X | | G | 1 | | |
| S-1 (5.0') | 11/26/2025 | | X | | G | 1 | | |

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

| | | | | | |
|------------------------------|--------------------------|-------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| <i>[Signature]</i> | <i>[Signature]</i> | 11:05:11 AM | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 532706

QUESTIONS

| | |
|---|---|
| Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706 | OGRID: 215099 |
| | Action Number: 532706 |
| | Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral) |

QUESTIONS

| | |
|----------------------|--|
| Prerequisites | |
| Incident ID (n#) | nAPP2513874115 |
| Incident Name | NAPP2513874115 CASCADE 29 FEDERAL 1 @ FAPP2123928971 |
| Incident Type | Oil Release |
| Incident Status | Deferral Request Received |
| Incident Facility | [fAPP2123928971] CASCADE 29 FEDERAL 1 |

| | |
|---|----------------------|
| Location of Release Source | |
| <i>Please answer all the questions in this group.</i> | |
| Site Name | CASCADE 29 FEDERAL 1 |
| Date Release Discovered | 05/18/2025 |
| Surface Owner | Federal |

| | |
|--|-------------|
| Incident Details | |
| <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 |

| | |
|---|--|
| Nature and Volume of Release | |
| <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i> | |
| Crude Oil Released (bbls) Details | Cause: Equipment Failure Separator Crude Oil Released: 10 BBL Recovered: 8 BBL Lost: 2 BBL. |
| Produced Water Released (bbls) Details | Cause: Equipment Failure Separator Produced Water Released: 3 BBL Recovered: 2 BBL Lost: 1 BBL. |
| Is the concentration of chloride in the produced water >10,000 mg/l | Yes |
| Condensate Released (bbls) Details | Not answered. |
| Natural Gas Vented (Mcf) Details | Not answered. |
| Natural Gas Flared (Mcf) Details | Not answered. |
| Other Released Details | Not answered. |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | We had a reportable release at the Cascade Federal 1 due to a broken sight glass on a vessel. A compromised patch in the containment allowed fluid to escape onto the well pad. This incident resulted in an estimated release of 10.19 barrels oil and 2.56 barrels water. Vac trucks were able to recover all fluid from the containment. In the upcoming weeks, we will assess the affected soils and implement necessary remediation measures. |

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 2

Action 532706

QUESTIONS (continued)

| | |
|---|---|
| Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706 | OGRID: 215099 |
| | Action Number: 532706 |
| | Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral) |

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 | <i>Unavailable.</i> |

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 | <i>Not answered.</i> |

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: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 12/08/2025 |
|--|--|

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 3

Action 532706

QUESTIONS (continued)

| | |
|---|---|
| Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706 | OGRID: 215099 |
| | Action Number: 532706 |
| | Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral) |

QUESTIONS

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

| | |
|--|-------------------------|
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) | Between 51 and 75 (ft.) |
| What method was used to determine the depth to ground water | Direct Measurement |
| Did this release impact groundwater or surface water | No |
| What is the minimum distance, between the closest lateral extents of the release and the following surface areas: | |
| A continuously flowing watercourse or any other significant watercourse | Greater than 5 (mi.) |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | Between 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 | Between 1 and 5 (mi.) |
| Any other fresh water well or spring | Between 1 and 5 (mi.) |
| Incorporated municipal boundaries or a defined municipal fresh water well field | Greater than 5 (mi.) |
| A wetland | Between 1 and 5 (mi.) |
| A subsurface mine | Greater than 5 (mi.) |
| An (non-karst) unstable area | Greater than 5 (mi.) |
| Categorize the risk of this well / site being in a karst geology | Low |
| A 100-year floodplain | Between 1 and 5 (mi.) |
| Did the release impact areas not on an exploration, development, production, or storage site | No |

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 |
| <i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i> | |
| Have the lateral and vertical extents of contamination been fully delineated | Yes |
| Was this release entirely contained within a lined containment area | No |

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

| | |
|---|------|
| Chloride (EPA 300.0 or SM4500 Cl B) | 208 |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) | 3078 |
| GRO+DRO (EPA SW-846 Method 8015M) | 2703 |
| BTEX (EPA SW-846 Method 8021B or 8260B) | 2.2 |
| Benzene (EPA SW-846 Method 8021B or 8260B) | 0 |

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 | 11/26/2025 |
| On what date will (or did) the final sampling or liner inspection occur | 11/26/2025 |
| On what date will (or was) the remediation complete(d) | 11/26/2025 |
| What is the estimated surface area (in square feet) that will be reclaimed | 3340 |
| What is the estimated volume (in cubic yards) that will be reclaimed | 247 |
| What is the estimated surface area (in square feet) that will be remediated | 759 |
| What is the estimated volume (in cubic yards) that will be remediated | 15 |

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 532706

QUESTIONS (continued)

| | |
|---|---|
| Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706 | OGRID: 215099 |
| | Action Number: 532706 |
| | Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral) |

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

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

(Select all answers below that apply.)

| | |
|---|--|
| (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) | Yes |
| Which OCD approved facility will be used for off-site disposal | fEEM0112342028 LEA LAND LANDFILL |
| OR which OCD approved well (API) will be used for off-site disposal | Not answered. |
| OR is the off-site disposal site, to be used, out-of-state | Not answered. |
| OR is the off-site disposal site, to be used, an NMED facility | Not answered. |
| (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) | Not answered. |
| (In Situ) Soil Vapor Extraction | Not answered. |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) | Not answered. |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) | Not answered. |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) | Not answered. |
| Ground Water Abatement pursuant to 19.15.30 NMAC | Not answered. |
| OTHER (Non-listed remedial process) | Not answered. |

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

| | |
|--|--|
| I hereby agree and sign off to the above statement | Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 12/08/2025 |
|--|--|

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 5

Action 532706

QUESTIONS (continued)

| | |
|---|---|
| Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706 | OGRID: 215099 |
| | Action Number: 532706 |
| | Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral) |

QUESTIONS

| | |
|--|---|
| Deferral Requests Only | |
| <i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i> | |
| Requesting a deferral of the remediation closure due date with the approval of this submission | Yes |
| Have the lateral and vertical extents of contamination been fully delineated | Yes |
| Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction | Yes |
| Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction | The auxiliary tank battery containing the heater treater and separators and additional equipment (shown in figure 3 & 4) will have to all be removed to further assess and remediate any impact found under the containment. This process will occur during P/A activities or during facility deconstruction, whichever comes first. The site has since been vertically delineated under the containment. |
| What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted | 3340 |
| What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted | 247 |
| <i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i> | |
| Enter the facility ID (f#) on which this deferral should be granted | fAPP2123928971 CASCADE 29 FEDERAL 1 |
| Enter the well API (30-) on which this deferral should be granted | Not answered. |
| Contamination does not cause an imminent risk to human health, the environment, or groundwater | True |
| <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: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 12/08/2025 |

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QUESTIONS, Page 6

Action 532706

QUESTIONS (continued)

| | |
|---|---|
| Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706 | OGRID: 215099 |
| | Action Number: 532706 |
| | Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral) |

QUESTIONS

| Sampling Event Information | |
|---|-------------------|
| Last sampling notification (C-141N) recorded | 528717 |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 11/26/2025 |
| What was the (estimated) number of samples that were to be gathered | 1 |
| What was the sampling surface area in square feet | 120 |

| Remediation Closure Request | |
|---|-----------|
| <i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i> | |
| Requesting a remediation closure approval with this submission | No |

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CONDITIONS

Action 532706

CONDITIONS

| | |
|---|---|
| Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706 | OGRID: 215099 |
| | Action Number: 532706 |
| | Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| rhamlet | Coterra's deferral requests final remediation for (Incident Number NAPP2513874115) until final reclamation of the well pad/facility or major construction, whichever comes first. Carmona and Coterra do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The impacted soil is located underneath the secondary containment, where remediation would require major facility deconstruction. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and placed in the incident file. The release will remain open in OCD database files and reflect an open environmental issue. | 2/12/2026 |