State of New Mexico
Energy Minerals and Natural Resources
Department Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
https://www.emnrd.nm.gov/ocd/ocd-e-permitting/

Form C-147
Revised October 11, 2022

# Recycling Facility and/or Recycling Containment

**Type of Facility:** ☒ Recycling Facility ☒ Recycling Containment*

**Type of action:** ☐ Permit ☐ Registration ☐ Modification ☐ Extension ☒ Closure ☐ Other (explain) _____

*** At the time C-147 is submitted to the division for a Recycling Containment, a copy shall be provided to the surface owner.**

Be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: Coterra Energy Operating Co. (For multiple operators attach page with information) OGRID #: 215099
Address: 6001 Deauville Blvd, Ste 300N Midland, TX 79706
Facility or well name (include API# if associated with a well): Colorado AST #1
OCD Permit Number: fVV2219353687 1RF-487 (For new facilities the permit number will be assigned by the district office)
U/L or Qtr/Qtr O Section 09 Township 24S Range 35E County: Lea
Surface Owner: ☐ Federal ☐ State ☒ Private ☐ Tribal Trust or Indian Allotment

2.
☒ **Recycling Facility:**
Location of recycling facility (if applicable): Latitude 32.2258284 Longitude -103.3703659 NAD83
Proposed Use: ☐ Drilling* ☐ Completion* ☐ Production* ☐ Plugging *
**The re-use of produced water may NOT be used until fresh water zones are cased and cemented***
☐ Other, ***requires permit for other uses. Describe use, process, testing, volume of produced water and ensure there will be no adverse impact on groundwater or surface water.***
☒ Fluid Storage
☒ Above ground tanks ☒ Recycling containment ☐ Activity permitted under 19.15.17 NMAC explain type_____
☐ Activity permitted under 19.15.36 NMAC explain type:_____ ☐ Other explain _____
☐ For multiple or additional recycling containments, attach design and location information of each containment
☒ **Closure Report (required within 60 days of closure completion):** ☒ Recycling Facility Closure Completion Date: 12/9/2025

3.
☒ **Recycling Containment:**
☐ Annual Extension after initial 5 years (attach summary of monthly leak detection inspections for previous year)
Center of Recycling Containment (if applicable): Latitude _____ Longitude _____ NAD83
☒ For multiple or additional recycling containments, attach design and location information of each containment
☐ Lined ☐ Liner type: Thickness _____mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
Liner Seams: ☒ Welded ☐ Factory ☐ Other _____ Volume: 60,000 bbl Dimensions: L_____ x W_____ x D 190 FT
☒ Recycling Containment Closure Completion Date: 12/9/2025

4.

**Bonding:**

☒ Covered under bonding pursuant to 19.15.8 NMAC per 19.15.34.15(A)(2) NMAC **(These containments are limited to only the wells owned or operated by the owners of the containment.)**

☐ Bonding in accordance with 19.15.34.15(A)(1). Amount of bond $_____ **(work on these facilities cannot commence until bonding amounts are approved)**

☐ Attach closure cost estimate and documentation on how the closure cost was calculated.

5.

**Fencing:**

☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet

☒ Alternate. Please specify Gate at stairway per variance

6.

**Signs:**

☒ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☐ Signed in compliance with 19.15.16.8 NMAC

7.

**Variances:**

Justifications and/or demonstrations that the proposed variance will afford reasonable protection against contamination of fresh water, human health, and the environment.

***Check the below box only if a variance is requested:***

☒ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. If a Variance is requested, include the variance information on a separate page and attach it to the C-147 as part of the application.

**If a Variance is requested, it must be approved prior to implementation.**

8.

**Siting Criteria for Recycling Containment**

***Instructions: The applicant must provide attachments that demonstrate compliance for each siting criteria below as part of the application. Potential examples of the siting attachment source material are provided below under each criteria.***

## General siting

| | |
|---|---|
| **Ground water is less than 50 feet below the bottom of the Recycling Containment.**<br>NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | ☐ Yes ☒ No<br>☐ NA |
| Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.<br>- Written confirmation or verification from the municipality; written approval obtained from the municipality | ☐ Yes ☒ No<br>☐ NA |
| Within the area overlying a subsurface mine.<br>- Written confirmation or verification or map from the NM EMNRD-Mining and Minerals Division | ☐ Yes ☒ No |
| Within an unstable area.<br>- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; topographic map | ☐ Yes ☒ No |
| Within a 100-year floodplain. FEMA map | ☐ Yes ☒ No |
| Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).<br>- Topographic map; visual inspection (certification) of the proposed site | ☐ Yes ☒ No |
| Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.<br>- Visual inspection (certification) of the proposed site; aerial photo; satellite image | ☐ Yes ☒ No |
| Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.<br>- NM Office of the State Engineer - iWATERS database search; visual inspection (certification) of the proposed site | ☐ Yes ☒ No |
| Within 500 feet of a wetland.<br>- US Fish and Wildlife Wetland Identification map; topographic map; visual inspection (certification) of the proposed site | ☐ Yes ☒ No |

9.
**Recycling Facility and/or Containment Checklist:**
***Instructions: Each of the following items must be attached to the application. Indicate, by a check mark in the box, that the documents are attached.***

- ☐ Design Plan - based upon the appropriate requirements.
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements.
- ☒ Closure Plan - based upon the appropriate requirements.
- ☐ Site Specific Groundwater Data -
- ☐ Siting Criteria Compliance Demonstrations –
- ☐ **Certify that notice of the C-147 (only) has been sent to the surface owner(s)**

10.
**Operator Application Certification:**
I hereby certify that the information and attachments submitted with this application are true, accurate and complete to the best of my knowledge and belief.

Name (Print): Jennifer Schnur Title: Regulatory Analyst

Signature: Jennifer Schnur Date: _____

e-mail address: Jennifer.Schnur@coterra.com Telephone: (432) 620-1695

11.
**OCD Representative Signature:** Victoria Venegas **Approval Date:** 01/13/2025

**Title:** Environmental Specialist **OCD Permit Number:** 1RF-487

- ☒ OCD Conditions _____
- ☐ Additional OCD Conditions on Attachment

# Site Map

Coterra Energy Operating

**Legend**

- Composite Sample
- FVV2219353687 - COLORADO AST#1

FVV2219353687 - COLORADO AST#1

CS-1

N

800 ft

Google Earth

# Topo Map

Coterra Energy Operating

**Legend**

- FVV2219353687 - COLORADO AST#1

Tank

3443

Well 3382

3400

3427

3376

West Dublin Windmill

8

9

9

10

Gravel Pit

Gas Well

3400

3400

3370

FVV2219353687 - COLORADO AST#1

3385

3398

3369

3390

Oil Well

Drill Hole

17

16

16

15

3350

3350





Google Earth

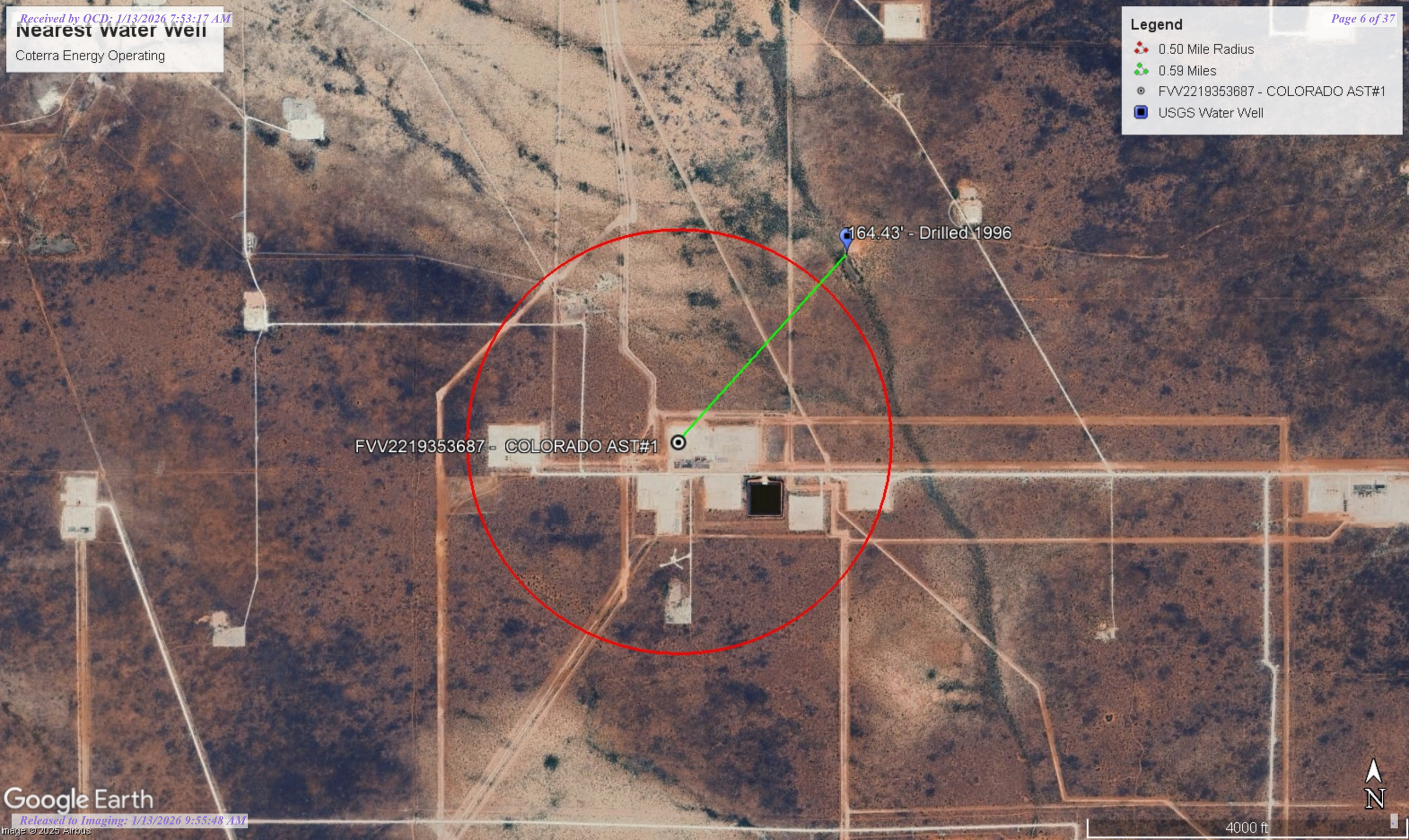
Earth Point

N

4000 ft

# Nearest Water Well

Coterra Energy Operating



# Low Karst

Coterra Energy Operating

*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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CP 00845 POD1 | | CP | LE | | NW | SW | 10 | 24S | 35E | 654360.0 | 3567130.0 * | | 943 | 190 | | |
| CP 01513 POD1 | | CP | LE | SW | SW | NW | 10 | 24S | 35E | 654184.0 | 3567350.8 | | 952 | 186 | | |
| CP 00573 | | CP | LE | NW | SE | NW | 10 | 24S | 35E | 654657.0 | 3567638.0 * | | 1489 | 405 | 300 | 105 |
| CP 00366 POD1 | | CP | LE | SE | NW | NW | 10 | 24S | 35E | 654447.0 | 3567834.0 * | | 1494 | 1250 | | |
| CP 01056 POD1 | | CP | LE | SE | SE | SW | 02 | 24S | 35E | 656464.9 | 3568304.7 | | 3353 | 5396 | 4399 | 997 |
| CP 01057 POD1 | | CP | LE | SE | NE | SW | 02 | 24S | 35E | 656464.1 | 3568762.4 | | 3603 | 5390 | 4365 | 1025 |

Average Depth to Water: **3021 feet**

Minimum Depth: **300 feet**

Maximum Depth: **4399 feet**

**Record Count:** 6

**UTM Filters (in meters):**

**Easting:** 653558.18

**Northing:** 3566632.23

**Radius:** 4000

*** UTM location was derived from PLSS - see Help**

| 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 | ? Metho meas |
|---|---|---|---|---|---|---|---|---|

Groundwater | New Mexico | GO

Click to hideNews Bulletins

- 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

Ground water level pages will be decommissioned in early 2026. These gwlevel pages are frozen as of November 18th, 2025. Please find the modernized pages in WDFN that suit you best. Learn more about our modernization plans and timeline and new pages.

## Search Results -- 1 sites found

**Agency code =** usgs
**site_no list =**
- 321335103214901

**Minimum number of levels =** 1
Save file of selected sites to local disk for future upload

## USGS 321335103214901 24S.35E.10.13333

Lea County, New Mexico
Latitude 32°13'56", Longitude 103°21'49" NAD27
Land-surface elevation 3,360.10 feet above NGVD29
The depth of the well is 190 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) 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 | ? Water-level approval status |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1965-10-21 | | D | 62610 | | 3200.93 | NGVD29 | 1 | Z | | | A |
| 1965-10-21 | | D | 62611 | | 3202.48 | NAVD88 | 1 | Z | | | A |
| 1965-10-21 | | D | 72019 | 159.17 | | | 1 | Z | | | A |
| 1968-06-12 | | D | 62610 | | 3202.28 | NGVD29 | 1 | Z | | | A |
| 1968-06-12 | | D | 62611 | | 3203.83 | NAVD88 | 1 | Z | | | A |
| 1968-06-12 | | D | 72019 | 157.82 | | | 1 | Z | | | A |
| 1970-12-09 | | D | 62610 | | 3201.31 | NGVD29 | 1 | Z | | | A |
| 1970-12-09 | | D | 62611 | | 3202.86 | NAVD88 | 1 | Z | | | A |
| 1970-12-09 | | D | 72019 | 158.79 | | | 1 | Z | | | A |
| 1976-01-15 | | D | 62610 | | 3203.75 | NGVD29 | 1 | Z | | | A |
| 1976-01-15 | | D | 62611 | | 3205.30 | NAVD88 | 1 | Z | | | A |
| 1976-01-15 | | D | 72019 | 156.35 | | | 1 | Z | | | A |
| 1981-03-19 | | D | 62610 | | 3197.14 | NGVD29 | 1 | Z | | | A |
| 1981-03-19 | | D | 62611 | | 3198.69 | NAVD88 | 1 | Z | | | A |
| 1981-03-19 | | D | 72019 | 162.96 | | | 1 | Z | | | A |
| 1986-03-07 | | D | 62610 | | 3198.41 | NGVD29 | 1 | Z | | | A |
| 1986-03-07 | | D | 62611 | | 3199.96 | NAVD88 | 1 | Z | | | A |
| 1986-03-07 | | D | 72019 | 161.69 | | | 1 | Z | | | A |
| 1991-05-23 | | D | 62610 | | 3195.95 | NGVD29 | 1 | Z | | | A |
| 1991-05-23 | | D | 62611 | | 3197.50 | NAVD88 | 1 | Z | | | A |
| 1991-05-23 | | D | 72019 | 164.15 | | | 1 | Z | | | A |
| 1996-03-07 | | D | 62610 | | 3195.67 | NGVD29 | 1 | S | | | A |
| 1996-03-07 | | D | 62611 | | 3197.22 | NAVD88 | 1 | S | | | A |
| 1996-03-07 | | D | 72019 | 164.43 | | | 1 | S | | | A |

| 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 | ? Metho meas |
|---|---|---|---|---|---|---|---|---|

| | | |
|---|---|---|
| Parameter code | 62610 | Groundwater level above NGVD 1929, feet |
| Parameter code | 62611 | Groundwater level above NAVD 1988, feet |
| Parameter code | 72019 | Depth to water level, feet below land surface |
| Referenced vertical datum | NAVD88 | North American Vertical Datum of 1988 |
| Referenced vertical datum | NGVD29 | National Geodetic Vertical Datum of 1929 |
| Status | 1 | Static |
| Method of measurement | S | Steel-tape measurement. |
| 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. |

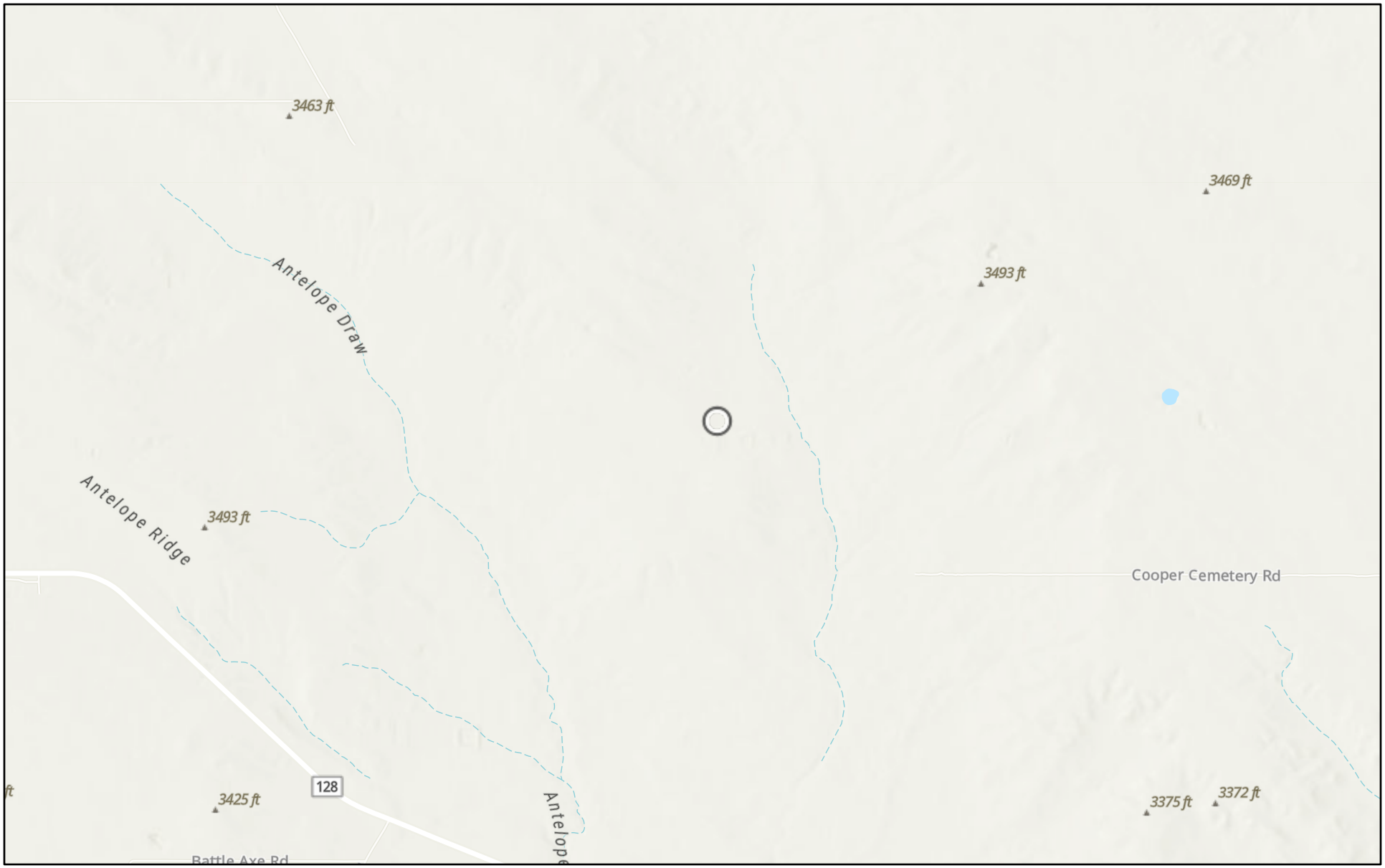
Questions or Comments
Help
Data Tips
Explanation of terms
Subscribe for system changes



U.S. Department of the Interior | U.S. Geological Survey
**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: 2025-12-04 17:55:49 EST
0.35 0.3 nadww02

# FVV2219353687 COLORADO AST#1




12/4/2025

World_Hillshade

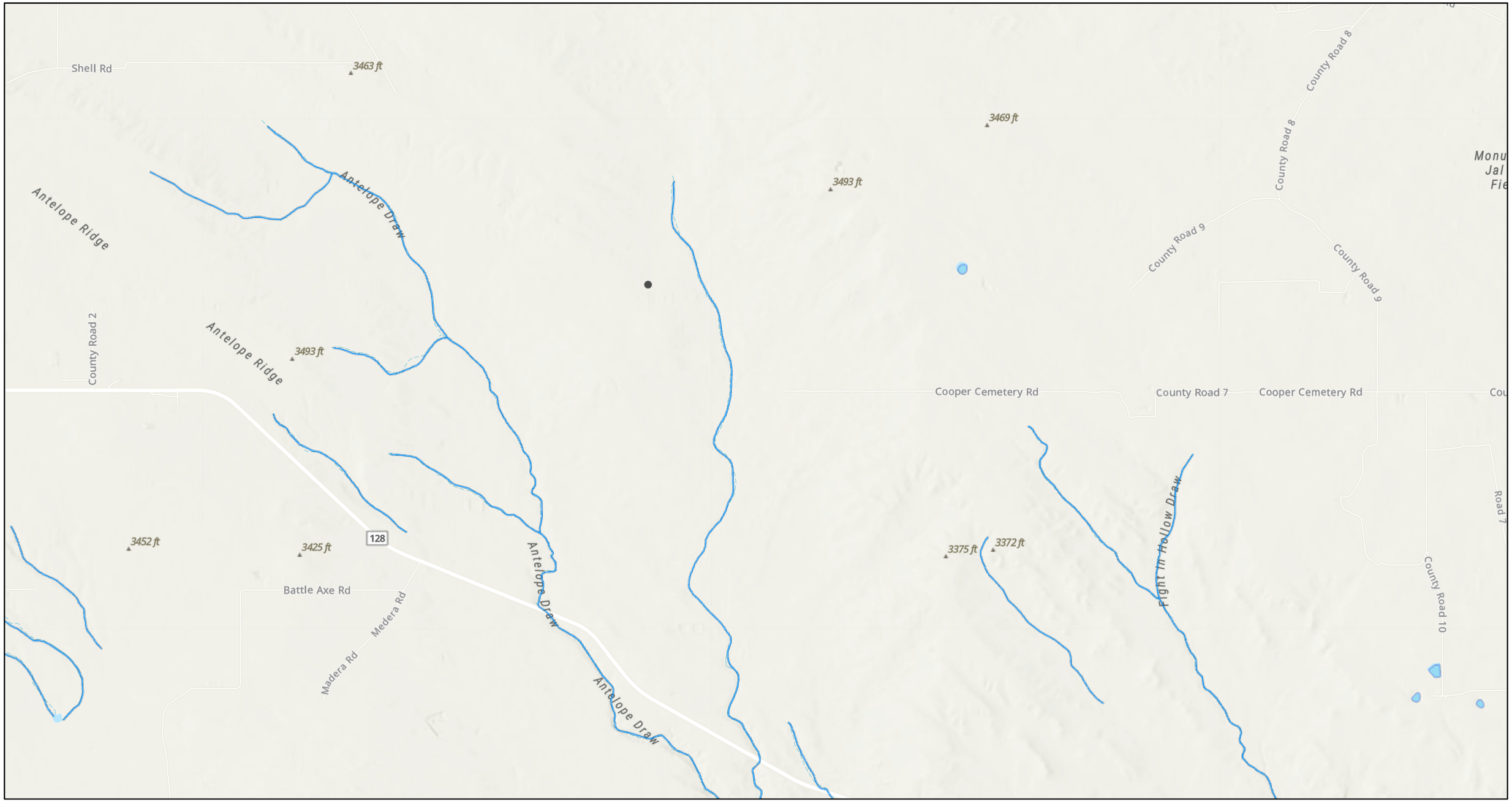
1:72,224

0 0.5 1 2 mi

0 0.75 1.5 3 km

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

# FVV2219353687 COLORADO AST#1




12/4/2025, 4:49:33 PM

OSW Water Bodys

OSE Streams

1:72,224

0 0.75 1.5 3 mi

0 1.25 2.5 5 km

Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, NM OSE

# Table 1
# Cimarex Energy Co.
# Colorado AST
# 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** | 12/9/2025 | 0-0.5' | <50.0 | <50.0 | <50.0 | <50.0 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | 23.4 |
| ***Regulatory Criteria*** [A] | | | | | | **100 mg/kg** | **10 mg/kg** | | | | **50 mg/kg** | **600 mg/kg** |

(-) Not Analyzed

[A] – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

# PHOTOGRAPHIC LOG

**Cimarex Energy Co. of Colorado**

**Photograph No. 1**

**Facility:** Colorado AST #1

**County:** Lea County, New Mexico

**Description:**
View East of the removed AST containment.


**Photograph No. 2**

**Facility:** Colorado AST #1

**County:** Lea County, New Mexico

**Description:**
View North of the removed AST containment.


**Photograph No. 3**

**Facility:** Colorado AST #1

**County:** Lea County, New Mexico

**Description:**
View Southwest of the removed AST containment.


CARMONA RESOURCES

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 12/16/2025 1:13:40 PM

## JOB DESCRIPTION

COLORADO AST
3083

## JOB NUMBER

890-9200-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

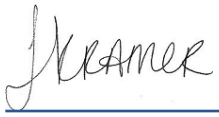
# Eurofins Carlsbad

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



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12/16/2025 1:13:40 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Carmona Resources
Project/Site: COLORADO AST

Laboratory Job ID: 890-9200-1
SDG: 3083

# Table of Contents

# Definitions/Glossary

Client: Carmona Resources Job ID: 890-9200-1
Project/Site: COLORADO AST SDG: 3083

## Qualifiers

### GC VOA

| Qualifier | Qualifier Description |
|---|---|
| U | Indicates the analyte was analyzed for but not detected. |

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| U | Indicates the analyte was analyzed for but not detected. |

### HPLC/IC

| Qualifier | Qualifier Description |
|---|---|
| F1 | MS and/or MSD recovery exceeds control limits. |
| U | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

# Case Narrative

Client: Carmona Resources
Project: COLORADO AST

Job ID: 890-9200-1

## Job ID: 890-9200-1 Eurofins Carlsbad

**Job Narrative**
**890-9200-1**

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

**Receipt**
The sample was received on 12/9/2025 3:36 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C.

**Receipt Exceptions**
The following sample was received and analyzed from an unpreserved bulk soil jar: CS-1 (0-0.5) (890-9200-1).

**GC VOA**
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**Diesel Range Organics**
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**
Method 300_ORGFM_28D - Soluble: The Chloride matrix spike duplicate (MSD) recoveries for preparation batch 880-126289 and analytical batch 880-126396 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

The associated samples are: (880-65927-A-45-C) and (880-65927-A-45-E MSD).

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-126289 and analytical batch 880-126396 were outside control limits for Chloride . See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated sample is: CS-1 (0-0.5) (890-9200-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

# Client Sample Results

Client: Carmona Resources
Project/Site: COLORADO AST

Job ID: 890-9200-1
SDG: 3083

## Client Sample ID: CS-1 (0-0.5)

**Date Collected: 12/09/25 00:00**
**Date Received: 12/09/25 15:36**

## Lab Sample ID: 890-9200-1

**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 12/10/25 13:11 | 12/12/25 12:17 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 12/10/25 13:11 | 12/12/25 12:17 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 12/10/25 13:11 | 12/12/25 12:17 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 12/10/25 13:11 | 12/12/25 12:17 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 12/10/25 13:11 | 12/12/25 12:17 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 12/10/25 13:11 | 12/12/25 12:17 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *103* | | *70 - 130* | *12/10/25 13:11* | *12/12/25 12:17* | *1* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* | *12/10/25 13:11* | *12/12/25 12:17* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 12/12/25 12:17 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 12/15/25 18:22 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 12/10/25 11:57 | 12/15/25 18:22 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 12/10/25 11:57 | 12/15/25 18:22 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 12/10/25 11:57 | 12/15/25 18:22 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *101* | | *70 - 130* | *12/10/25 11:57* | *12/15/25 18:22* | *1* |
| *o-Terphenyl (Surr)* | *107* | | *70 - 130* | *12/10/25 11:57* | *12/15/25 18:22* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **23.4** | | 10.1 | | mg/Kg | | | 12/12/25 03:39 | 1 |

# Surrogate Summary

Client: Carmona Resources
Project/Site: COLORADO AST

Job ID: 890-9200-1
SDG: 3083

## Method: 8021B - Volatile Organic Compounds (GC)

**Matrix: Solid**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| | | BFB1 | DFBZ1 |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) |
| 890-9199-A-1-B MS | Matrix Spike | 103 | 94 |
| 890-9199-A-1-C MSD | Matrix Spike Duplicate | 104 | 96 |
| 890-9200-1 | CS-1 (0-0.5) | 103 | 100 |
| LCS 880-126235/1-A | Lab Control Sample | 97 | 95 |
| LCSD 880-126235/2-A | Lab Control Sample Dup | 98 | 96 |
| MB 880-126235/5-A | Method Blank | 94 | 94 |

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

**Matrix: Solid**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| | | 1CO1 | OTPH1 |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) |
| 890-9198-A-19-B MS | Matrix Spike | 114 | 106 |
| 890-9198-A-19-C MSD | Matrix Spike Duplicate | 115 | 107 |
| 890-9200-1 | CS-1 (0-0.5) | 101 | 107 |
| LCS 880-126204/2-A | Lab Control Sample | 128 | 119 |
| LCSD 880-126204/3-A | Lab Control Sample Dup | 123 | 111 |
| MB 880-126204/1-A | Method Blank | 101 | 105 |

**Surrogate Legend**

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

# QC Sample Results

Client: Carmona Resources
Project/Site: COLORADO AST

Job ID: 890-9200-1
SDG: 3083

## Method: 8021B - Volatile Organic Compounds (GC)

**Lab Sample ID: MB 880-126235/5-A**
**Matrix: Solid**
**Analysis Batch: 126444**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 126235**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 12/10/25 13:11 | 12/12/25 11:15 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 12/10/25 13:11 | 12/12/25 11:15 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 12/10/25 13:11 | 12/12/25 11:15 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 12/10/25 13:11 | 12/12/25 11:15 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 12/10/25 13:11 | 12/12/25 11:15 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 12/10/25 13:11 | 12/12/25 11:15 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *94* | | *70 - 130* | *12/10/25 13:11* | *12/12/25 11:15* | *1* |
| *1,4-Difluorobenzene (Surr)* | *94* | | *70 - 130* | *12/10/25 13:11* | *12/12/25 11:15* | *1* |

**Lab Sample ID: LCS 880-126235/1-A**
**Matrix: Solid**
**Analysis Batch: 126444**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 126235**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.09275 | | mg/Kg | | 93 | 70 - 130 |
| Toluene | 0.100 | 0.09188 | | mg/Kg | | 92 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09433 | | mg/Kg | | 94 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.1879 | | mg/Kg | | 94 | 70 - 130 |
| o-Xylene | 0.100 | 0.09311 | | mg/Kg | | 93 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *95* | | *70 - 130* |

**Lab Sample ID: LCSD 880-126235/2-A**
**Matrix: Solid**
**Analysis Batch: 126444**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 126235**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.09103 | | mg/Kg | | 91 | 70 - 130 | 2 | 35 |
| Toluene | 0.100 | 0.08885 | | mg/Kg | | 89 | 70 - 130 | 3 | 35 |
| Ethylbenzene | 0.100 | 0.09377 | | mg/Kg | | 94 | 70 - 130 | 1 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1884 | | mg/Kg | | 94 | 70 - 130 | 0 | 35 |
| o-Xylene | 0.100 | 0.09436 | | mg/Kg | | 94 | 70 - 130 | 1 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *96* | | *70 - 130* |

**Lab Sample ID: 890-9199-A-1-B MS**
**Matrix: Solid**
**Analysis Batch: 126444**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 126235**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.100 | 0.08895 | | mg/Kg | | 89 | 70 - 130 |
| Toluene | <0.00200 | U | 0.100 | 0.08699 | | mg/Kg | | 87 | 70 - 130 |

# QC Sample Results

Client: Carmona Resources
Project/Site: COLORADO AST

Job ID: 890-9200-1
SDG: 3083

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: 890-9199-A-1-B MS**
**Matrix: Solid**
**Analysis Batch: 126444**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 126235**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | <0.00200 | U | 0.100 | 0.09100 | | mg/Kg | | 91 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.200 | 0.1820 | | mg/Kg | | 91 | 70 - 130 |
| o-Xylene | <0.00200 | U | 0.100 | 0.09174 | | mg/Kg | | 92 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *103* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *94* | | *70 - 130* |

**Lab Sample ID: 890-9199-A-1-C MSD**
**Matrix: Solid**
**Analysis Batch: 126444**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 126235**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.100 | 0.08992 | | mg/Kg | | 90 | 70 - 130 | 1 | 35 |
| Toluene | <0.00200 | U | 0.100 | 0.08818 | | mg/Kg | | 88 | 70 - 130 | 1 | 35 |
| Ethylbenzene | <0.00200 | U | 0.100 | 0.09217 | | mg/Kg | | 92 | 70 - 130 | 1 | 35 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.200 | 0.1853 | | mg/Kg | | 93 | 70 - 130 | 2 | 35 |
| o-Xylene | <0.00200 | U | 0.100 | 0.09261 | | mg/Kg | | 93 | 70 - 130 | 1 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *104* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *96* | | *70 - 130* |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

**Lab Sample ID: MB 880-126204/1-A**
**Matrix: Solid**
**Analysis Batch: 126642**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 126204**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 12/10/25 11:57 | 12/15/25 16:16 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 12/10/25 11:57 | 12/15/25 16:16 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 12/10/25 11:57 | 12/15/25 16:16 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *101* | | *70 - 130* | *12/10/25 11:57* | *12/15/25 16:16* | *1* |
| *o-Terphenyl (Surr)* | *105* | | *70 - 130* | *12/10/25 11:57* | *12/15/25 16:16* | *1* |

**Lab Sample ID: LCS 880-126204/2-A**
**Matrix: Solid**
**Analysis Batch: 126642**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 126204**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 851.0 | | mg/Kg | | 85 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 1045 | | mg/Kg | | 105 | 70 - 130 |

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# QC Sample Results

Client: Carmona Resources
Project/Site: COLORADO AST

Job ID: 890-9200-1
SDG: 3083

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: LCS 880-126204/2-A**
**Matrix: Solid**
**Analysis Batch: 126642**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 126204**

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane (Surr) | 128 | | 70 - 130 |
| o-Terphenyl (Surr) | 119 | | 70 - 130 |

**Lab Sample ID: LCSD 880-126204/3-A**
**Matrix: Solid**
**Analysis Batch: 126642**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 126204**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 838.6 | | mg/Kg | | 84 | 70 - 130 | 1 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 1028 | | mg/Kg | | 103 | 70 - 130 | 2 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane (Surr) | 123 | | 70 - 130 |
| o-Terphenyl (Surr) | 111 | | 70 - 130 |

**Lab Sample ID: 890-9198-A-19-B MS**
**Matrix: Solid**
**Analysis Batch: 126642**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 126204**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 1000 | 732.9 | | mg/Kg | | 71 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 1000 | 911.0 | | mg/Kg | | 91 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane (Surr) | 114 | | 70 - 130 |
| o-Terphenyl (Surr) | 106 | | 70 - 130 |

**Lab Sample ID: 890-9198-A-19-C MSD**
**Matrix: Solid**
**Analysis Batch: 126642**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 126204**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 1000 | 745.8 | | mg/Kg | | 73 | 70 - 130 | 2 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 1000 | 919.5 | | mg/Kg | | 92 | 70 - 130 | 1 | 20 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane (Surr) | 115 | | 70 - 130 |
| o-Terphenyl (Surr) | 107 | | 70 - 130 |

# QC Sample Results

Client: Carmona Resources
Project/Site: COLORADO AST

Job ID: 890-9200-1
SDG: 3083

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 880-126289/1-A**
**Matrix: Solid**
**Analysis Batch: 126396**

**Client Sample ID: Method Blank**
**Prep Type: Soluble**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <10.0 | U | 10.0 | | mg/Kg | | | 12/12/25 00:50 | 1 |

**Lab Sample ID: LCS 880-126289/2-A**
**Matrix: Solid**
**Analysis Batch: 126396**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 243.9 | | mg/Kg | | 98 | 90 - 110 | | |

**Lab Sample ID: LCSD 880-126289/3-A**
**Matrix: Solid**
**Analysis Batch: 126396**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Soluble**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 234.2 | | mg/Kg | | 94 | 90 - 110 | 4 | 20 |

**Lab Sample ID: 880-65927-A-45-D MS**
**Matrix: Solid**
**Analysis Batch: 126396**

**Client Sample ID: Matrix Spike**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | <10.0 | U F1 | 251 | 230.0 | | mg/Kg | | 91 | 90 - 110 | | |

**Lab Sample ID: 880-65927-A-45-E MSD**
**Matrix: Solid**
**Analysis Batch: 126396**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | <10.0 | U F1 | 251 | 226.4 | F1 | mg/Kg | | 89 | 90 - 110 | 2 | 20 |

# QC Association Summary

Client: Carmona Resources
Project/Site: COLORADO AST

Job ID: 890-9200-1
SDG: 3083

## GC VOA

### Prep Batch: 126235

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-9200-1 | CS-1 (0-0.5) | Total/NA | Solid | 5035 | |
| MB 880-126235/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-126235/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-126235/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 890-9199-A-1-B MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 890-9199-A-1-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

### Analysis Batch: 126444

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-9200-1 | CS-1 (0-0.5) | Total/NA | Solid | 8021B | 126235 |
| MB 880-126235/5-A | Method Blank | Total/NA | Solid | 8021B | 126235 |
| LCS 880-126235/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 126235 |
| LCSD 880-126235/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 126235 |
| 890-9199-A-1-B MS | Matrix Spike | Total/NA | Solid | 8021B | 126235 |
| 890-9199-A-1-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 126235 |

### Analysis Batch: 126742

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-9200-1 | CS-1 (0-0.5) | Total/NA | Solid | Total BTEX | |

## GC Semi VOA

### Prep Batch: 126204

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-9200-1 | CS-1 (0-0.5) | Total/NA | Solid | 8015NM Prep | |
| MB 880-126204/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-126204/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-126204/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-9198-A-19-B MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-9198-A-19-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

### Analysis Batch: 126642

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-9200-1 | CS-1 (0-0.5) | Total/NA | Solid | 8015B NM | 126204 |
| MB 880-126204/1-A | Method Blank | Total/NA | Solid | 8015B NM | 126204 |
| LCS 880-126204/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 126204 |
| LCSD 880-126204/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 126204 |
| 890-9198-A-19-B MS | Matrix Spike | Total/NA | Solid | 8015B NM | 126204 |
| 890-9198-A-19-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 126204 |

### Analysis Batch: 126875

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-9200-1 | CS-1 (0-0.5) | Total/NA | Solid | 8015 NM | |

## HPLC/IC

### Leach Batch: 126289

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-9200-1 | CS-1 (0-0.5) | Soluble | Solid | DI Leach | |
| MB 880-126289/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-126289/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-126289/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |

# QC Association Summary

Client: Carmona Resources
Project/Site: COLORADO AST

Job ID: 890-9200-1
SDG: 3083

## HPLC/IC (Continued)

### Leach Batch: 126289 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-65927-A-45-D MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 880-65927-A-45-E MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

### Analysis Batch: 126396

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 890-9200-1 | CS-1 (0-0.5) | Soluble | Solid | 300.0 | 126289 |
| MB 880-126289/1-A | Method Blank | Soluble | Solid | 300.0 | 126289 |
| LCS 880-126289/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 126289 |
| LCSD 880-126289/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 126289 |
| 880-65927-A-45-D MS | Matrix Spike | Soluble | Solid | 300.0 | 126289 |
| 880-65927-A-45-E MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 126289 |

# Lab Chronicle

Client: Carmona Resources
Project/Site: COLORADO AST

Job ID: 890-9200-1
SDG: 3083

## Client Sample ID: CS-1 (0-0.5)

**Date Collected: 12/09/25 00:00**
**Date Received: 12/09/25 15:36**

## Lab Sample ID: 890-9200-1

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 126235 | 12/10/25 13:11 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 126444 | 12/12/25 12:17 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 126742 | 12/12/25 12:17 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 126875 | 12/15/25 18:22 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10.00 mL | 126204 | 12/10/25 11:57 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 126642 | 12/15/25 18:22 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 4.97 g | 50 mL | 126289 | 12/10/25 15:55 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 126396 | 12/12/25 03:39 | SMC | EET MID |

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: COLORADO AST

Job ID: 890-9200-1
SDG: 3083

## Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Texas | NELAP | T104704400 | 06-30-26 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|---|---|---|---|
| 8015 NM | | Solid | Total TPH |
| Total BTEX | | Solid | Total BTEX |

# Method Summary

Client: Carmona Resources
Project/Site: COLORADO AST

Job ID: 890-9200-1
SDG: 3083

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8021B | Volatile Organic Compounds (GC) | SW846 | EET MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | EET MID |
| 8015 NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 8015B NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 300.0 | Anions, Ion Chromatography | EPA | EET MID |
| 5035 | Closed System Purge and Trap | SW846 | EET MID |
| 8015NM Prep | Microextraction | SW846 | EET MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | EET MID |

**Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Sample Summary

Client: Carmona Resources
Project/Site: COLORADO AST

Job ID: 890-9200-1
SDG: 3083

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Sample Origin |
|---|---|---|---|---|---|
| 890-9200-1 | CS-1 (0-0.5) | Solid | 12/09/25 00:00 | 12/09/25 15:36 | Texas |

# Chain of Custody

890-9200 Chain of Custody



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

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Colorado AST | Turn Around | |
| Project Number: | 3083 | ☑ Routine ☐ Rush | |
| Project Location | Lea County, New Mexico | Due Date: | Standard TAT |
| Sampler's Name: | FV | | |
| PO #: | | | |

| SAMPLE RECEIPT | | | | |
|---|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No | |
| Received Intact: | Yes No | Thermometer ID: | Inmca | |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | -0.2 | |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | 5.8 | |
| Total Containers: | | Corrected Temperature: | 5.6 | |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2S0_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 300.0 | Hold | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CS-1 (0-0.5') | 12/9/2025 | | X | | C | 1 | | X | X | X | | |

Parameters

**Comments:**

| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Date/Time |
|---|---|---|---|
| | 12-9-25 | | 12-9 1536 |

**Eurofins Carlsbad**
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

# Chain of Custody Record

eurofins | Environment Testing

| Client Information (Sub Contract Lab) | Sampler: N/A | Lab PM: Kramer, Jessica | Carrier Tracking No(s): N/A | COC No: 890-6241.1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: N/A | E-Mail: Jessica.Kramer@et.eurofinsus.com | State of Origin: Texas | Page: Page 1 of 1 |
| Company: Eurofins Environment Testing South Centr | | Accreditations Required (See note): NELAP - Texas | | Job #: 890-9200-1 |
| Address: 1211 W. Florida Ave, | Due Date Requested: 12/15/2025 | | | Preservation Codes: |
| City: Midland | TAT Requested (days): N/A | | | |
| State, Zip: TX, 79701 | | | | |
| Phone: 432-704-5440(Tel) | PO #: N/A | | | |
| Email: N/A | WO #: N/A | | | |
| Project Name: COLORADO AST | Project #: 88001161 | | | |
| Site: N/A | SSOW#: N/A | | | Other: N/A |

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 8021B/5035FP_CalcBTEX | Total_BTEX_GCV | 8015MOD_Calc | 8015MOD_NM/8015NM_S_PrepFull TPH | 300_ORGFM_28D/DI_LEACHChloride | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | | | | |
| CS-1 (0-0.5) (890-9200-1) | 12/9/25 | Central | G | Solid | | | X | X | X | X | X | 1 | |

Analysis Requested

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

| Possible Hazard Identification | Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) |
|---|---|
| Unconfirmed | ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months |
| Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|---|
| | Relinquished by: | Date/Time: | Company | Received by: Teddy Ramirez | Date/Time: 12/10/25 0800 | Company |
| | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.6/2.5 (-0.1) IR-8 |
|---|---|---|

Ver: 10/10/2024

# Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-9200-1
SDG Number: 3083

**Login Number: 9200**
**List Number: 1**
**Creator: Lopez, Abraham**

**List Source: Eurofins Carlsbad**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | N/A | Refer to Job Narrative for details. |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |

# Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-9200-1
SDG Number: 3083

**Login Number: 9200**
**List Number: 2**
**Creator: Laing, Edmundo**

**List Source: Eurofins Midland**
**List Creation: 12/10/25 11:34 AM**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |

## Venegas, Victoria, EMNRD

**From:** Venegas, Victoria, EMNRD
**Sent:** Tuesday, January 13, 2026 9:54 AM
**To:** Jennifer.Schnur@coterra.com
**Subject:** 1RF-487 - COLORADO AST#1 FACILITY ID [fVV2219353687]
**Attachments:** C-147 1RF-487 - COLORADO AST#1 FACILITY ID [fVV2219353687] 01.13.2026.pdf

**FVV2219353687 COLORADO AST#1**

Good morning Ms. Schnur.
NMOCD has reviewed the recycling containment closure request and related documents, submitted by [215099] Coterra Energy Operating Co on 01/13/2026 Application ID **542461**, for FVV2219353687 COLORADO AST#1 in O-09-24S-35E, Lea County, New Mexico. The closure request has been approved.

- Please note that according to NMAC 19.15.34.14.E: Once the operator has closed the recycling containment, the operator shall reclaim the containment's location to a safe and stable condition that blends with the surrounding undisturbed area. Topsoils and subsoils shall be replaced to their original relative positions and contoured so as to achieve erosion control, long-term stability and preservation of surface water flow patterns. The disturbed area shall then be reseeded in the first favorable growing season following closure of a recycling containment.
- The operator shall substantially restore the impacted surface area to the condition that existed prior to the construction of the recycling containment.
- NMAC 19.15.34.14.G: The re-vegetation and reclamation obligations imposed by federal, state trust land or tribal agencies on lands managed by those agencies shall supersede these provisions and govern the obligations of any operator subject to those provisions, provided that the other requirements provide equal or better protection of fresh water, human health, and the environment. In accordance with 19.15.34.14.H, the operator shall notify the division when reclamation and re-vegetation are complete.

Please let me know if you have any additional questions.
Regards,

**Victoria Venegas** • Senior Environmental Scientist
EMNRD - Oil Conservation Division
506 W. Texas Ave. Artesia, NM 88210
575.909.0269 | **Victoria.Venegas@emnrd.nm.gov**

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



## CONDITIONS

| | |
|---|---|
| Operator:<br>Coterra Energy Operating Co.<br>6001 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>215099 |
| | Action Number:<br>542461 |
| | Action Type:<br>[C-147] Water Recycle Long (C-147L) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| vvenegas | NMOCD has reviewed the recycling containment closure request and related documents, submitted by [215099] Coterra Energy Operating Co on 01/13/2026 Application ID 542461, for FVV2219353687 COLORADO AST#1 in O-09-24S-35E, Lea County, New Mexico. The closure request has been approved. | 1/13/2026 |