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): IRF-484 fvv2211552496

OCD Permit Number: _____ (For new facilities the permit number will be assigned by the district office)

U/L or Qtr/Qtr A Section 1 Township 25S Range 35E County: Lea

Surface Owner: ☐ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.

☒ **Recycling Facility:**

Location of recycling facility (if applicable): Latitude 32.166304 Longitude -103.316647 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: Oil & gas wells in a closed loop system using prod water for well completion purposes.

☐ 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: 12/1/2025

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: _____bbl Dimensions: L_____ x W_____ x D_____

☐ Recycling Containment Closure Completion Date:_____

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_____

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. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☒ No ☐ 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. - Written confirmation or verification from the municipality; written approval obtained from the municipality	☐ Yes ☒ No ☐ NA
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Minerals Division	☐ Yes ☒ No
Within an unstable area. - 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). - 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. - 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. - NM Office of the State Engineer - iWATERS database search; visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 500 feet of a wetland. - 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: 3/10/2026
e-mail address: Jennifer.Schnur@coterra.com Telephone: (432) 620-1695

11.
OCD Representative Signature: Victoria Venegas **Approval Date:** 03/12/2026
Title: Senior Environmental Specialist **OCD Permit Number:** 1RF-484

- ☒ OCD Conditions
- ☐ Additional OCD Conditions on Attachment

Site Map

Coterra Energy Operating Co.

Legend

- Composite Sample
- FVV2211552496 - FMM CTB

CS-1

FVV2211552496 - FMM CTB

Google Earth

500 ft

N

Nearest Water Well

Coterra Energy Operating Co.

Legend

- 0.30 Miles
- 0.50 Mile Radius
- 1.29 Miles
- FVV2211552496 - FMM CTB
- Groundwater Determination Bore

106' GWDB - Drilled 2025

105' GWDB - Drilled 2025

FVV2211552496 - FMM CTB

Google Earth

N

1 mi

Low Karst

Coterra Energy Operating Co.

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 02097 POD1		CP	LE	NE	NE	NW	01	25S	35E	658237.1	3560131.6		486	105		
CP 01919 POD1		CP	LE	NW	SW	SW	31	24S	36E	659230.3	3560419.8		593	101		
CP 01949 POD1		CP	LE	NW	NW	NW	05	25S	36E	660747.5	3560082.1		2024			
CP 00624		CP	LE	SE	NW	NW	11	25S	35E	656206.0	3558197.0 *		3162	510		
CP 01945 POD1		CP	LE	SE	NE	NE	05	25S	36E	662309.6	3559852.8		3595	101		
CP 00842 POD1		CP	LE		NE	SE	24	24S	35E	658834.0	3563982.0 *		3872	130		
CP 00523		CP	LE		SW	NW	33	24S	36E	662506.0	3561217.0 *		3941	75	53	22
CP 00543		CP	LE	SW	SW	SW	20	24S	36E	660757.0	3563507.0 *		3958	127	97	30

Average Depth to Water: **75 feet**

Minimum Depth: **53 feet**

Maximum Depth: **97 feet**

Record Count: 8

UTM Filters (in meters):

Easting: 658723.00

Northing: 3560111.00

Radius: 4000

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

WELL PLUGGING PLAN OF OPERATIONS

NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging. This form may be used to plug a single well, or if you are plugging multiple monitoring wells on the same site using the same plugging methodology.

Alert! Your well may be eligible to participate in the Aquifer Mapping Program (AMP)-NM Bureau of Geology geoinfo.nmt.edu/resources/water/cgmn/ if within an area of interest and meets the minimum construction requirements, such as there is still water in your well, and the well construction reflected in a well record and log is not compromised, contact AMP at 575-835-5038 or -6951, or by email nmbg-waterlevels@nmt.edu, prior to completing this prior form. Showing proof to the OSE that your well was accepted in this program, may delay the plugging of your well until a later date.

I. FILING FEE: There is no filing fee for this form.

II. GENERAL / WELL OWNERSHIP: ☐ Check here if proposing one plan for multiple monitoring wells on the same site and attaching WD-08m

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: CP-2097-POD1

Name of well owner: Coterra Energy Co.

Mailing address: 840 Gessner Rd. Ste. 1400 County:

City: Houston State: TX Zip code: 77024-4115

Phone number: 432-208-3035 E-mail: Laci.Luig@coterra.com

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: James Hawley/H&R Enterprises, LLC.

New Mexico Well Driller License No.: WD-1862 Expiration Date: June 16, 2027

IV. WELL INFORMATION: ☐ **Check here if this plan describes method for plugging multiple monitoring wells on the same site and attach supplemental form WD-08m and skip to #2 in this section.**

Note: A copy of the existing Well Record for the well(s) to be plugged should be attached to this plan.

1) GPS Well Location: Latitude: 32 deg, 09 min, 59.6 sec
Longitude: 103 deg, 19 min, 18.5 sec, NAD 83

2) Reason(s) for plugging well(s):

Temporary well to determine depth of groundwater at remediation site.

OSE DII ROSWELL NM
25 SEP '25 PM3:22

3) Was well used for any type of monitoring program? no If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.

4) Does the well tap brackish, saline, or otherwise poor quality water? no If yes, provide additional detail, including analytical results and/or laboratory report(s):

5) Static water level: unknown feet below land surface / feet above land surface (circle one)

6) Depth of the well: 105 feet

trn# 792256

7) Inside diameter of innermost casing: 2 inches.

8) Casing material: PVC

9) The well was constructed with:

☐ an open-hole production interval, state the open interval: _____

■ a well screen or perforated pipe, state the screened interval(s): 10ft

10) What annular interval surrounding the artesian casing of this well is cement-grouted? N/A

11) Was the well built with surface casing? no If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? _____ If yes, please describe:

12) Has all pumping equipment and associated piping been removed from the well? N/A If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.

V. DESCRIPTION OF PLANNED WELL PLUGGING:

☐ **If plugging method differs between multiple wells on same site, a separate form must be completed for each method.**

Note: If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie pipe, a detailed diagram of the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such as geophysical logs, that are necessary to adequately describe the proposal. Attach a copy of any signed OSE variance to this plugging plan.

Also, if this planned plugging plan requires a variance to 19.27.4 NMAC, attach a detailed variance request signed by the applicant.

1) Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well:

We anticipate this to be a dry hole, drill cuttings to 10'BGS, hydrated bentonite chips from 10' BGS to surface.

2) Will well head be cut-off below land surface after plugging? N/A

VI. PLUGGING AND SEALING MATERIALS:

Note: The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant. Attach a copy of the batch mix recipe from the cement company and/or product description for specialty cement mixes or any sealant that deviates from the list of OSE approved sealants.

1) For plugging intervals that employ cement grout, complete and attach Table A.

OSE DII ROSWELL NM
25 SEP '25 PM 2:28

2) For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.

3) Theoretical volume of grout required to plug the well to land surface: 154.35

4) Type of Cement proposed: 3/8 bentonite hole plug

5) Proposed cement grout mix: _____ gallons of water per 94 pound sack of Portland cement.

6) Will the grout be: _____ batch-mixed and delivered to the site

x mixed on site

7) Grout additives requested, and percent by dry weight relative to cement:

N/A

8) Additional notes and calculations:

VII. ADDITIONAL INFORMATION: List additional information below, or on separate sheet(s):

VIII. SIGNATURE:

I, James Hawley, say that I have carefully read the foregoing Well Plugging Plan of Operations and any attachments, which are a part hereof; that I am familiar with the rules and regulations of the State Engineer pertaining to the plugging of wells and will comply with them, and that each and all of the statements in the Well Plugging Plan of Operations and attachments are true to the best of my knowledge and belief.

Signature of Applicant — Date: 9/11/25

IX. ACTION OF THE STATE ENGINEER:

OSE DII ROSWELL NM
25 SEP '25 PM3:22

This Well Plugging Plan of Operations is:

X Approved subject to the attached conditions.

_____ Not approved for the reasons provided on the attached letter.

Witness my hand and official seal this 29th day of September, 2025

Elizabeth K. Anderson P.E., New Mexico State Engineer

By: K-Parekh Kashyap Parekh

Supervisor, Water Resources

TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)			
Bottom of proposed interval of grout placement (ft bgl)			
Theoretical volume of grout required per interval (gallons)			
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement			
Mixed on-site or batch-mixed and delivered?			
Grout additive 1 requested			
Additive 1 percent by dry weight relative to cement			
Grout additive 2 requested			
Additive 2 percent by dry weight relative to cement			

TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)			0-10' hydrated bentonite chips
Bottom of proposed sealant of grout placement (ft bgl)			10'-105' drill cuttings
Theoretical volume of sealant required per interval (gallons)			154.35
Proposed abandonment sealant (manufacturer and trade name)			Baroid 3/8 hole plug

OSE DII ROSWELL NM
25 SEP '25 PM3:22

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
ROSWELL
1900 West Second St.
Roswell, New Mexico 88201
Phone: (575) 622-6521
Fax: (575) 623- 8559

Applicant has identified wells, listed below, to be plugged. James Hawley/H & R Enterprises LLC (WD-1862) will perform the plugging.

Permittee: Coterra Energy Co.
NMOSE Permit Number: CP-2097-POD1

NMOSE File	Casing diameter (inches)	Well depth (feet bgl)	Approximate static water level (feet bgl)	Latitude	Longitude
CP-2097-POD1	6.0 (Soil Boring)	105.0	Unknown	32° 9' 59.6"	103° 19' 18.5''

Specific Plugging Conditions of Approval for Well located in Lea County, New Mexico.

1. Water well drilling and well drilling activities, including well plugging, are regulated under 19.27.4 NMAC, which requires any person engaged in the business of well drilling within New Mexico to obtain a Well Driller License issued by the New Mexico Office of the State Engineer (NMOSE). Therefore, the firm of a New Mexico licensed Well Driller shall perform the well plugging.

2. **Groundwater encountered:** The total Theoretical volume of sealant required for abandonment of soil boring well is approximately 154.15 gallons. Total minimum volume of necessary sealant shall be calculated upon sounding the actual pluggable depth of well, which is estimated at 105 feet.

3. **Dry Hole**: The total Theoretical volume of sealant required for abandonment of soil boring well is approximately 14.68 gallons. Total minimum volume of necessary sealant shall be calculated upon sounding the actual pluggable depth of well, which is estimated at 10 feet.

4. **Groundwater encountered:** Bentonite Pellets. The bentonite shall be hydrated separately and added above static water level, a minimum of 5-gallons of fresh water shall be added to the borehole per 50-lb of bentonite chips.

5. **Dry Hole:** (a) Drill cuttings up to ten feet of land surface. (b) 10 feet to 0 feet – Bentonite Pellets. The bentonite shall be hydrated separately with its required increments of water prior to being mixed into the cement slurry.

6. Placement of the sealant within the wells shall be by tremie pipe extending to near well bottom and kept below top of the slurry column as the well is plugged from bottom-upwards in a manner that displaces the standing water column. The tremie shall be incrementally removed to retain the tremie bottom a limited distance above the top of the rising column of pellets throughout the plugging process.

7. Any open annulus encountered surrounding the casing shall also be sealed by the placement of the approved sealant. When plugging shallow wells with no construction or environmental concerns, and if the well record on a well to be plugged shows a proper 20-foot annular seal, a plugging plan can propose the use of clean fill material to a nominal 30 feet bgs, then placing an OSE approved sealant to surface. Lacking that information, we would require an excavation of at least 2-feet which shall then be filled in its entirety with sealant to surface.

8. Should the NMED, or another regulatory agency sharing jurisdiction of the project authorize, or by regulation require a more stringent well plugging procedure than herein acknowledged, the more-stringent procedure should be followed. This, in part, includes provisions regarding pre-authorization to proceed, contaminant remediation, inspection, pulling/perforating of casing, or prohibition of free discharge of any fluid from the borehole during or related to the plugging process.

9. NMOSE witnessing of the plugging of the soil boring will not be required.

10. Any deviation from this plan must obtain an approved variance from this office prior to implementation.

11. A Well Plugging Record itemizing actual abandonment process and materials used shall be filed with the State Engineer within 30 days after completion of well plugging. For the plugging record, please resurvey coordinate location for well and note coordinate system for GPS unit. Please attach a copy of these plugging conditions.

The NMOSE Well Plugging Plan of Operations is hereby approved with the aforesaid conditions applied.

Witness my hand and seal this 29th day of September 2025

Elizabeth K. Anderson, P.E. State Engineer

By: K. Parekh

Kashyap Parekh
Supervisor, Water Resources

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
DISTRICT II
TELEPHONE: (575) 622-6521 FAX: (575) 623-8559

ELIZABETH K. ANDERSON, P.E.
STATE ENGINEER

1900 West Second Street
Roswell, New Mexico 88201

September 29, 2025

Coterra Energy Co.
840 Gessner Road, Suite 1400
Houston, NM 77024

RE: Well Plugging Plan of Operations for well No. CP-2097-POD1

Greetings:

Enclosed is your copy of the Well Plugging Plan of Operations for the above referenced well subject to the attached Conditions of Approval. The proposed method of operation is found to be acceptable and in accordance with the Rules and Regulations Governing Well Driller Licensing; Construction, Repair and Plugging of Wells 19.27.4 NMAC adopted June 30, 2017 by the State Engineer. subject to the attached Conditions of Approval.

Within 30 days after the well is plugged, the well driller is required to file a complete plugging record with the OSE and the permit holder.

Sincerely,

K. Parekh

Kashyap Parekh
Supervisor, Water Resources

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
Pod-1		CP-2087

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Civitas Permian Operating	512-635-0129

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
6301 Holiday Hill Rd. Unit #201	Midland	TX	79707

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	10	0.90	N
	LONGITUDE	103	20	18.82	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

UL-N S-35 T-24S R-35E

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1862	James Hawley	H&R Enterprises, LLC

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
9/23/25	9/23/25	106'	106'	Dry hole

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): NA

DATE STATIC MEASURED: 9/26/25

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
			No Casing left in hole				

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	25	25	Fine red dry sand	Y ✓ N	
25	45	20	Fine red Sand and Caliche	Y ✓ N	
45	106	61	fine red dry sand and small gravel	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY: N/A

TOTAL ESTIMATED WELL YIELD (gpm):

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

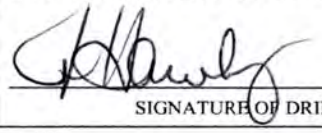
MISCELLANEOUS INFORMATION: well was drilled and cased on 9/23/25, gauged on 9/26/25, well bore was dry, casing was removed and well was plugged pursuant to the approved plugging plan.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

James Hawley

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:



James Hawley — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

9/29/25 — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

FVV2211552496 - FMM CTB

3/9/2026

World_Hillshade

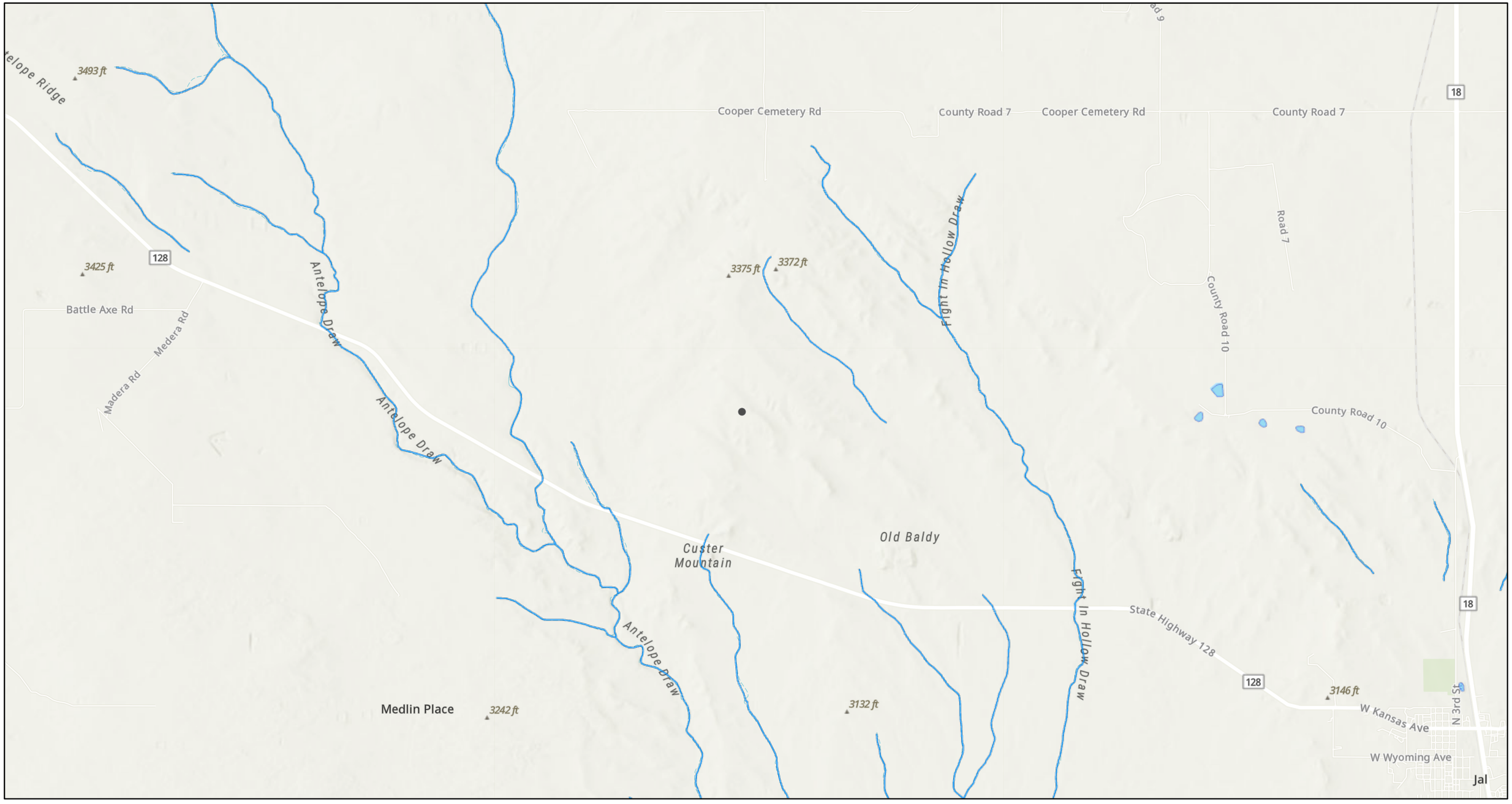
1:72,224

0 0.5 1 2 mi

0 0.75 1.5 3 km

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

FVV2211552496 - FMM CTB



3/10/2026, 9:01:41 AM

OSW Water Bodys

OSE Probable Playas

OSE Streams

1:72,224

0 0.75 1.5 3 mi

0 1.25 2.5 5 km

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

Table 1
Coterra Energy Operating Co.
FMM AST Containment
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	12/1/2025	0-0.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	176
Regulatory Criteria [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
(CS) - Confirmation Sample

PHOTOGRAPHIC LOG

Cimarex Energy Co. of Colorado

Photograph No. 1

Facility: FMM AST Containment

County: Lea County, New Mexico

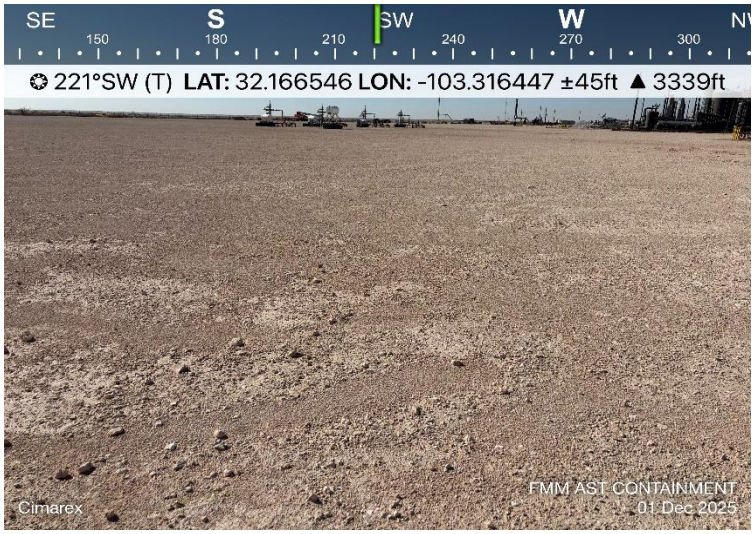
Description:
View of the lease sign.

Photograph No. 2

Facility: FMM AST Containment

County: Lea County, New Mexico

Description:
View Southwest of the removed AST containment.

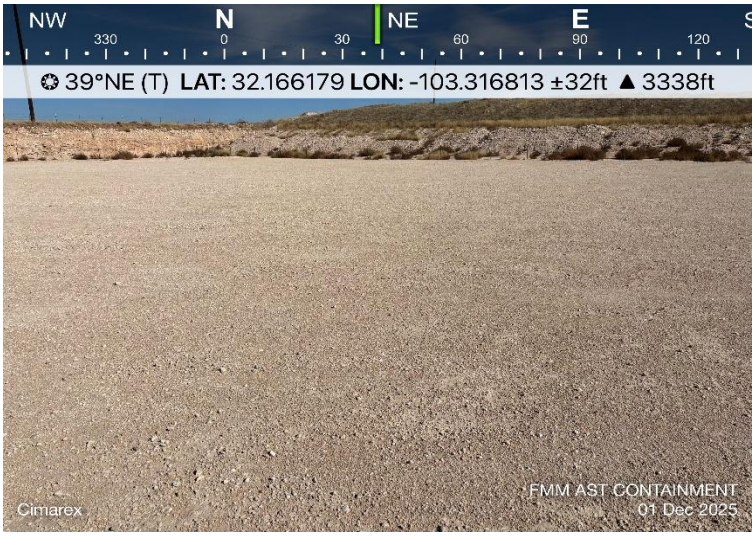


Photograph No. 3

Facility: FMM AST Containment

County: Lea County, New Mexico

Description:
View Northeast 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 12/4/2025 12:59:51 PM

JOB DESCRIPTION

FMM AST Containment
3076

JOB NUMBER

880-65519-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

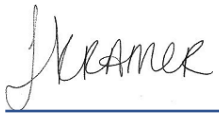
Eurofins Midland

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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12/4/2025 12:59:51 PM

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

Client: Carmona Resources
Project/Site: FMM AST Containment

Laboratory Job ID: 880-65519-1
SDG: 3076

Table of Contents

Definitions/Glossary

Client: Carmona Resources Job ID: 880-65519-1
Project/Site: FMM AST Containment SDG: 3076

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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: FMM AST Containment

Job ID: 880-65519-1

Job ID: 880-65519-1 Eurofins Midland

Job Narrative
880-65519-1

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 12/1/2025 1:28 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.

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-1 (0-0.5') (880-65519-1), (LCS 880-125260/2-A), (LCSD 880-125260/3-A), (880-65473-A-21-A), (880-65473-A-21-B MS) and (880-65473-A-21-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-125260/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC
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: FMM AST Containment

Job ID: 880-65519-1
SDG: 3076

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

Date Collected: 12/01/25 00:00
Date Received: 12/01/25 13:28

Lab Sample ID: 880-65519-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/25 11:00	12/02/25 19:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/25 11:00	12/02/25 19:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/25 11:00	12/02/25 19:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/01/25 11:00	12/02/25 19:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/25 11:00	12/02/25 19:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/01/25 11:00	12/02/25 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*12/01/25 11:00*	*12/02/25 19:03*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/01/25 11:00*	*12/02/25 19:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/02/25 19:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/03/25 04:52	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	<49.7	U	49.7		mg/Kg		12/01/25 09:31	12/03/25 04:52	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/01/25 09:31	12/03/25 04:52	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/01/25 09:31	12/03/25 04:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*160*	*S1+*	*70 - 130*	*12/01/25 09:31*	*12/03/25 04:52*	*1*
o-Terphenyl (Surr)	*139*	*S1+*	*70 - 130*	*12/01/25 09:31*	*12/03/25 04:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**176**		10.0		mg/Kg			12/03/25 12:12	1

Surrogate Summary

Client: Carmona Resources
Project/Site: FMM AST Containment

Job ID: 880-65519-1
SDG: 3076

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)
880-64724-A-21-C MB	Method Blank	108	96
880-65472-A-1-B MS	Matrix Spike	105	97
880-65472-A-1-C MSD	Matrix Spike Duplicate	107	107
880-65519-1	CS-1 (0-0.5')	107	100
LCS 880-125282/1-A	Lab Control Sample	108	105
LCSD 880-125282/2-A	Lab Control Sample Dup	103	99
MB 880-125282/5-A	Method Blank	106	91

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)
880-65473-A-21-B MS	Matrix Spike	180 S1+	144 S1+
880-65473-A-21-C MSD	Matrix Spike Duplicate	180 S1+	144 S1+
880-65519-1	CS-1 (0-0.5')	160 S1+	139 S1+
LCS 880-125260/2-A	Lab Control Sample	176 S1+	137 S1+
LCSD 880-125260/3-A	Lab Control Sample Dup	175 S1+	138 S1+
MB 880-125260/1-A	Method Blank	157 S1+	140 S1+

Surrogate Legend

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

QC Sample Results

Client: Carmona Resources
Project/Site: FMM AST Containment

Job ID: 880-65519-1
SDG: 3076

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: 880-64724-A-21-C MB
Matrix: Solid
Analysis Batch: 125341

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 125282

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/25 11:00	12/02/25 16:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/25 11:00	12/02/25 16:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/25 11:00	12/02/25 16:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/01/25 11:00	12/02/25 16:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/25 11:00	12/02/25 16:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/01/25 11:00	12/02/25 16:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*12/01/25 11:00*	*12/02/25 16:19*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*12/01/25 11:00*	*12/02/25 16:19*	*1*

Lab Sample ID: MB 880-125282/5-A
Matrix: Solid
Analysis Batch: 125341

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 125282

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/25 11:00	12/02/25 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/25 11:00	12/02/25 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/25 11:00	12/02/25 11:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/01/25 11:00	12/02/25 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/25 11:00	12/02/25 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/01/25 11:00	12/02/25 11:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*12/01/25 11:00*	*12/02/25 11:20*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*12/01/25 11:00*	*12/02/25 11:20*	*1*

Lab Sample ID: LCS 880-125282/1-A
Matrix: Solid
Analysis Batch: 125341

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 125282

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1110		mg/Kg		111	70 - 130
Toluene	0.100	0.1058		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1081		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2117		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1043		mg/Kg		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-125282/2-A
Matrix: Solid
Analysis Batch: 125341

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 125282

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1032		mg/Kg		103	70 - 130	7	35

QC Sample Results

Client: Carmona Resources
Project/Site: FMM AST Containment

Job ID: 880-65519-1
SDG: 3076

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

Lab Sample ID: LCSD 880-125282/2-A
Matrix: Solid
Analysis Batch: 125341

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 125282

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1022		mg/Kg		102	70 - 130	3	35
Ethylbenzene			0.100	0.1068		mg/Kg		107	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2024		mg/Kg		101	70 - 130	4	35
o-Xylene			0.100	0.1007		mg/Kg		101	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-65472-A-1-B MS
Matrix: Solid
Analysis Batch: 125341

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 125282

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07832		mg/Kg		78	70 - 130
Toluene	<0.00200	U	0.100	0.07280		mg/Kg		73	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.07588		mg/Kg		76	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1453		mg/Kg		73	70 - 130
o-Xylene	<0.00200	U	0.100	0.07442		mg/Kg		74	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-65472-A-1-C MSD
Matrix: Solid
Analysis Batch: 125341

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 125282

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	0.1050		mg/Kg		105	70 - 130	29	35
Toluene	<0.00200	U	0.100	0.09823		mg/Kg		98	70 - 130	30	35
Ethylbenzene	<0.00200	U	0.100	0.09861		mg/Kg		99	70 - 130	26	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1827		mg/Kg		91	70 - 130	23	35
o-Xylene	<0.00200	U	0.100	0.08985		mg/Kg		90	70 - 130	19	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

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

Lab Sample ID: MB 880-125260/1-A
Matrix: Solid
Analysis Batch: 125366

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 125260

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		12/01/25 09:31	12/03/25 00:22	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: FMM AST Containment

Job ID: 880-65519-1
SDG: 3076

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

Lab Sample ID: MB 880-125260/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 125366 — **Prep Batch: 125260**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/25 09:31	12/03/25 00:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/25 09:31	12/03/25 00:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*157*	*S1+*	*70 - 130*	*12/01/25 09:31*	*12/03/25 00:22*	*1*
o-Terphenyl (Surr)	*140*	*S1+*	*70 - 130*	*12/01/25 09:31*	*12/03/25 00:22*	*1*

Lab Sample ID: LCS 880-125260/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 125366 — **Prep Batch: 125260**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	932.1		mg/Kg		93	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1091		mg/Kg		109	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*176*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*137*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-125260/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 125366 — **Prep Batch: 125260**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	933.6		mg/Kg		93	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1095		mg/Kg		109	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*175*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*138*	*S1+*	*70 - 130*

Lab Sample ID: 880-65473-A-21-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 125366 — **Prep Batch: 125260**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	754.9		mg/Kg		73	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	899.1		mg/Kg		90	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*180*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*144*	*S1+*	*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: FMM AST Containment

Job ID: 880-65519-1
SDG: 3076

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

Lab Sample ID: 880-65473-A-21-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 125366 — **Prep Batch: 125260**

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	<49.8	U	999	765.2		mg/Kg		74	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	923.9		mg/Kg		92	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*180*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*144*	*S1+*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-125372/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 125516

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/03/25 11:00	1

Lab Sample ID: LCS 880-125372/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 125516

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	228.1		mg/Kg		91	90 - 110

Lab Sample ID: LCSD 880-125372/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 125516

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	229.5		mg/Kg		92	90 - 110	1	20

Lab Sample ID: 880-65498-A-2-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 125516

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	51.9		250	282.5		mg/Kg		92	90 - 110

Lab Sample ID: 880-65498-A-2-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 125516

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	51.9		250	282.5		mg/Kg		92	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: FMM AST Containment

Job ID: 880-65519-1
SDG: 3076

GC VOA

Prep Batch: 125282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65519-1	CS-1 (0-0.5')	Total/NA	Solid	5035	
880-64724-A-21-C MB	Method Blank	Total/NA	Solid	5035	
MB 880-125282/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-125282/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-125282/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-65472-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-65472-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 125341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65519-1	CS-1 (0-0.5')	Total/NA	Solid	8021B	125282
880-64724-A-21-C MB	Method Blank	Total/NA	Solid	8021B	125282
MB 880-125282/5-A	Method Blank	Total/NA	Solid	8021B	125282
LCS 880-125282/1-A	Lab Control Sample	Total/NA	Solid	8021B	125282
LCSD 880-125282/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	125282
880-65472-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	125282
880-65472-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	125282

Analysis Batch: 125600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65519-1	CS-1 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 125260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65519-1	CS-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-125260/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-125260/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-125260/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-65473-A-21-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-65473-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 125366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65519-1	CS-1 (0-0.5')	Total/NA	Solid	8015B NM	125260
MB 880-125260/1-A	Method Blank	Total/NA	Solid	8015B NM	125260
LCS 880-125260/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	125260
LCSD 880-125260/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	125260
880-65473-A-21-B MS	Matrix Spike	Total/NA	Solid	8015B NM	125260
880-65473-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	125260

Analysis Batch: 125584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65519-1	CS-1 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 125372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65519-1	CS-1 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-125372/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: FMM AST Containment

Job ID: 880-65519-1
SDG: 3076

HPLC/IC (Continued)

Leach Batch: 125372 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-125372/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125372/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-65498-A-2-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-65498-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 125516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65519-1	CS-1 (0-0.5')	Soluble	Solid	300.0	125372
MB 880-125372/1-A	Method Blank	Soluble	Solid	300.0	125372
LCS 880-125372/2-A	Lab Control Sample	Soluble	Solid	300.0	125372
LCSD 880-125372/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125372
880-65498-A-2-C MS	Matrix Spike	Soluble	Solid	300.0	125372
880-65498-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	125372

Lab Chronicle

Client: Carmona Resources
Job ID: 880-65519-1
Project/Site: FMM AST Containment
SDG: 3076

Client Sample ID: CS-1 (0-0.5')
Lab Sample ID: 880-65519-1

Date Collected: 12/01/25 00:00
Matrix: Solid

Date Received: 12/01/25 13:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	125282	12/01/25 11:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125341	12/02/25 19:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125600	12/02/25 19:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			125584	12/03/25 04:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	125260	12/01/25 09:31	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125366	12/03/25 04:52	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	125372	12/02/25 10:28	SA	EET MID
Soluble	Analysis	300.0		1			125516	12/03/25 12:12	CS	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
Job ID: 880-65519-1
Project/Site: FMM AST Containment
SDG: 3076

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: FMM AST Containment

Job ID: 880-65519-1
SDG: 3076

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: FMM AST Containment

Job ID: 880-65519-1
SDG: 3076

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-65519-1	CS-1 (0-0.5')	Solid	12/01/25 00:00	12/01/25 13:28	Texas

Chain of Custody

880-65519 Chain of Custody

Page 1 of 1

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:	FMM AST Containment	Turn Around	
Project Number:	3076	☑ Routine	☐ Rush
Project Location	Lea County, New Mexico	Due Date:	Standard TAT
Sampler's Name:	KR		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	TR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.5
Total Containers:		Corrected Temperature:	5.6

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_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	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-1 (0-0.5')	12/1/2025		X		C	1	X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Kaci Kaiser	12/1/25 1328		12/1/25 1328

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-65519-1
SDG Number: 3076

Login Number: 65519
List Number: 1
Creator: Neeld, Linsey

List Source: Eurofins Midland

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: Friday, March 13, 2026 8:30 AM
To: Jennifer.Schnur@coterra.com
Subject: 1RF-484 - FMM CTB FACILITY ID [fVV2211552496]
Attachments: C-147 - 1RF-484 - FMM CTB FACILITY ID [fVV2211552496] 03.12.2026.pdf

1RF-484 - FMM CTB FACILITY ID [fVV2211552496]

Good morning Ms. Schnur.
NMOCD has reviewed closure request and related documents, submitted by [215099] Coterra Energy Operating Co, on 03/10/2026, Application ID **561449**, for 1RF-484 - FMM CTB FACILITY ID [fVV2211552496] in A-01-25S-35E, Lea County, NM. 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 the closure of 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: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 561449
	Action Type: [C-147] Water Recycle Long (C-147L)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	NMOCD has reviewed closure request and related documents, submitted by [215099] Coterra Energy Operating Co, on 03/10/2026, Application ID 561449, for 1RF-484 - FMM CTB FACILITY ID [fVV2211552496] in A-01-25S-35E, Lea County, NM. The closure request has been approved.	3/13/2026