

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): LOE AST Containment

OCD Permit Number: fVV/2207537919 1RF-480 (For new facilities the permit number will be assigned by the district office)

U/L or Qtr/Qtr P Section 24 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 32.1097418 Longitude -103.314817 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: 12/1/2025

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 32.1193 Longitude -103.314300 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_____

Recycling Containment Closure Completion Date: 12/1/2025

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 _____

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.

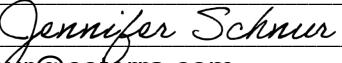
Recycling Facility and/or Containment Checklist:*Instructions: Each of the following items must be attached to the application. Indicate, by a check mark in the box, that the documents are attached.*

- 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 AnalystSignature:  Date: 1/7/2026e-mail address: Jennifer.Schnur@coterra.com Telephone: (432) 620-169511. OCD Representative Signature: Victoria VenegasApproval Date: 01/16/2026Title: Environmental SpecialistOCD Permit Number: 1RF-480 OCD Conditions Additional OCD Conditions on Attachment

Site Map

Coterra Energy Operating

Legend

- Composite Sample (Star icon)
- FVV2207537919 - LOE AST CONTAINMENT (Circle icon)



Nearest Water Well

Coterra Energy Operating

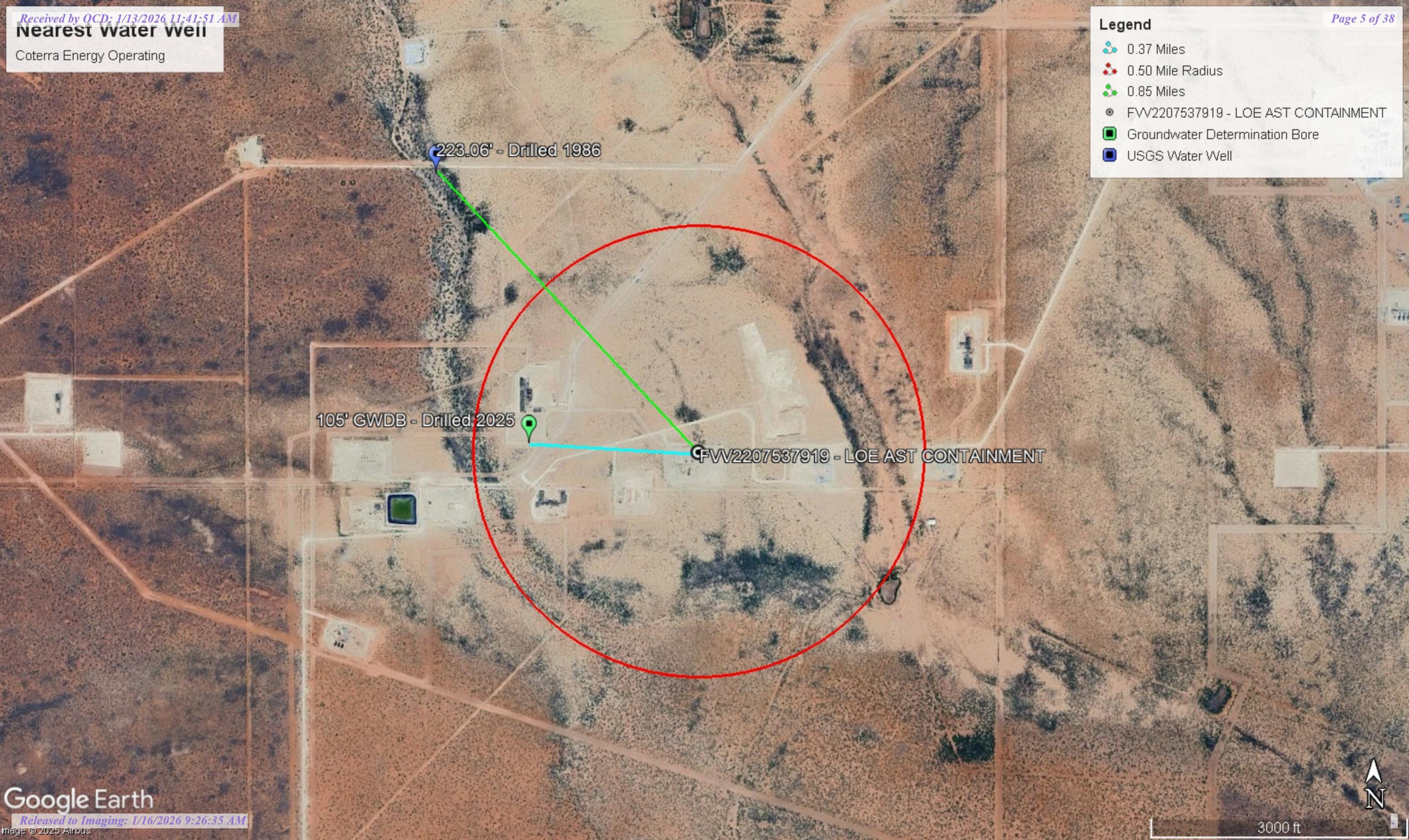
Legend

- 0.37 Miles
- 0.50 Mile Radius
- 0.85 Miles
- FW2207537919 - LOE AST CONTAINMENT
- Groundwater Determination Bore
- USGS Water Well

223.06' - Drilled 1986

105' GWDB - Drilled 2025

FW2207537919 - LOE AST CONTAINMENT



Legend

- FW2207537919 - LOE AST CONTAINMENT
- Low

FW2207537919 - LOE AST CONTAINMENT



Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 05017 POD1		CUB	LE	SW	SW	SE	24	25S	35E	658391.2	3553861.5		603	105		
CP 01170 POD5		CP	LE	NE	NE	NE	19	25S	36E	660686.9	3555164.2		2148	505	270	235
CP 01944 POD1		CP	LE	SE	SW	SW	20	25S	36E	661179.7	3553764.3		2187			
CP 01948 POD1		CP	LE	NE	SE	NW	20	25S	36E	661554.2	3555124.0		2863			
CP 00858 POD2		CP	LE	NW	NW	SE	29	25S	36E	661689.8	3552765.1		2902	600	282	318
CP 00858 POD1		CP	LE		NW	SE	29	25S	36E	661828.0	3552752.0		3036			
CP 01920 POD1		CP	LE	SE	SW	SE	31	25S	36E	660281.8	3550531.1		3552	101		
CP 01921 POD1		CP	LE	NW	SW	SW	21	25S	36E	662588.3	3554016.8		3598			
C 04861 POD1		CUB	LE	NW	NW	NE	27	25S	35E	655298.4	3553583.4		3704	105		
CP 01923 POD1		CP	LE	SE	NE	SE	17	25S	36E	662230.7	3555972.7		3875			

Average Depth to Water: **276 feet**

Minimum Depth: **270 feet**

Maximum Depth: **282 feet**

Record Count: 10

UTM Filters (in meters):

Easting: 658994.00

Northing: 3553842.00

Radius: 4000

* UTM location was derived from PLSS - see Help

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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod-1		WELL TAG ID NO.		OSE FILE NO(S). L-15939			
	WELL OWNER NAME(S) Coterra Energy Co.				PHONE (OPTIONAL) 432-208-3035			
	WELL OWNER MAILING ADDRESS 840 Gessner Rd, Ste. 1400				CITY Houston	STATE TX	ZIP 77024-4152	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	32	MINUTES 3	SECONDS 2.5	N * ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE	103	19	51.2	W * DATUM REQUIRED: WGS 84		
	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SESE S-11 T-26S R-35E							
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 10/20/25		DRILLING ENDED 10/20/25	DEPTH OF COMPLETED WELL (FT) 105	BORE HOLE DEPTH (FT) 105	DEPTH WATER FIRST ENCOUNTERED (FT) Dry Hole		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED) Centralizer info below				STATIC WATER LEVEL IN COMPLETED WELL (FT)		DATE STATIC MEASURED	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:						CHECK HERE IF PITLESS ADAPTER IS <input type="checkbox"/> INSTALLED	
	DEPTH (feet bg)		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)
	FROM	TO						
				No casing left in hole				
3. ANNULAR MATERIAL	DEPTH (feet bg)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL <i>*if using Centralizers for Artesian wells- indicate the spacing below</i>		AMOUNT (cubic feet)	METHOD OF PLACEMENT	
	FROM	TO		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

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



PLUGGING RECORD

NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-15939 Pod-1
 Well owner: Coterra Energy Co. Phone No.: 432-208-3035
 Mailing address: 840 Gessner Rd, Ste. 1400
 City: Houston State: TX Zip code: 77024-4152

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: H&R Enterprises, LLC
- 2) New Mexico Well Driller License No.: WD-1862 Expiration Date: 6/16/27
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Nathan Smelcer
- 4) Date well plugging began: 10/23/25 Date well plugging concluded: 10/23/25
- 5) GPS Well Location: Latitude: 32 deg, 3 min, 2.5 sec
 Longitude: 103 deg, 19 min, 51.2 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 105 ft below ground level (bgl),
 by the following manner: well sounder
- 7) Static water level measured at initiation of plugging: Dry ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 6/24/25
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe
 differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
	0-10 Hydrated Baroid 3/8 Bentonite chip plug	16.5	14.7	poor	
	10-105 drill cuttings	139.65	139.65	poor	

III. SIGNATURE:

I, James Hawley, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief. ✓

[Signature]

Signature of Well Driller

10/28/25

Date

Version: September 8, 2009
Page 2 of 2



National Water Information System: Web Interface

USGS Water Resources

 Data Category: Geographic Area:

Click to hide News 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

! Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320707103192901

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload**USGS 320707103192901 25S.35E.24.11222**

Lea County, New Mexico

Latitude 32°07'07", Longitude 103°19'29" NAD27

Land-surface elevation 3,101 feet above NAVD88

The depth of the well is 606 feet below land surface.

This well is completed in the Other aquifers (N99990THER) national aquifer.

This well is completed in the Santa Rosa Sandstone (231SNRS) 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
1965-10-20		D	62610		2922.16	NGVD29	1		Z		A
1965-10-20		D	62611		2923.60	NAVD88	1		Z		A
1965-10-20		D	72019	177.40			1		Z		A
1968-04-04		D	62610		2879.00	NGVD29	1		Z		A
1968-04-04		D	62611		2880.44	NAVD88	1		Z		A
1968-04-04		D	72019	220.56			1		Z		A
1971-01-14		D	62610		2880.93	NGVD29	1		Z		A
1971-01-14		D	62611		2882.37	NAVD88	1		Z		A
1971-01-14		D	72019	218.63			1		Z		A
1981-03-26		D	62610		2877.20	NGVD29	1		Z		A
1981-03-26		D	62611		2878.64	NAVD88	1		Z		A
1981-03-26		D	72019	222.36			1		Z		A
1986-03-19		D	62610		2876.50	NGVD29	1		Z		A
1986-03-19		D	62611		2877.94	NAVD88	1		Z		A
1986-03-19		D	72019	223.06			1		Z		A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929

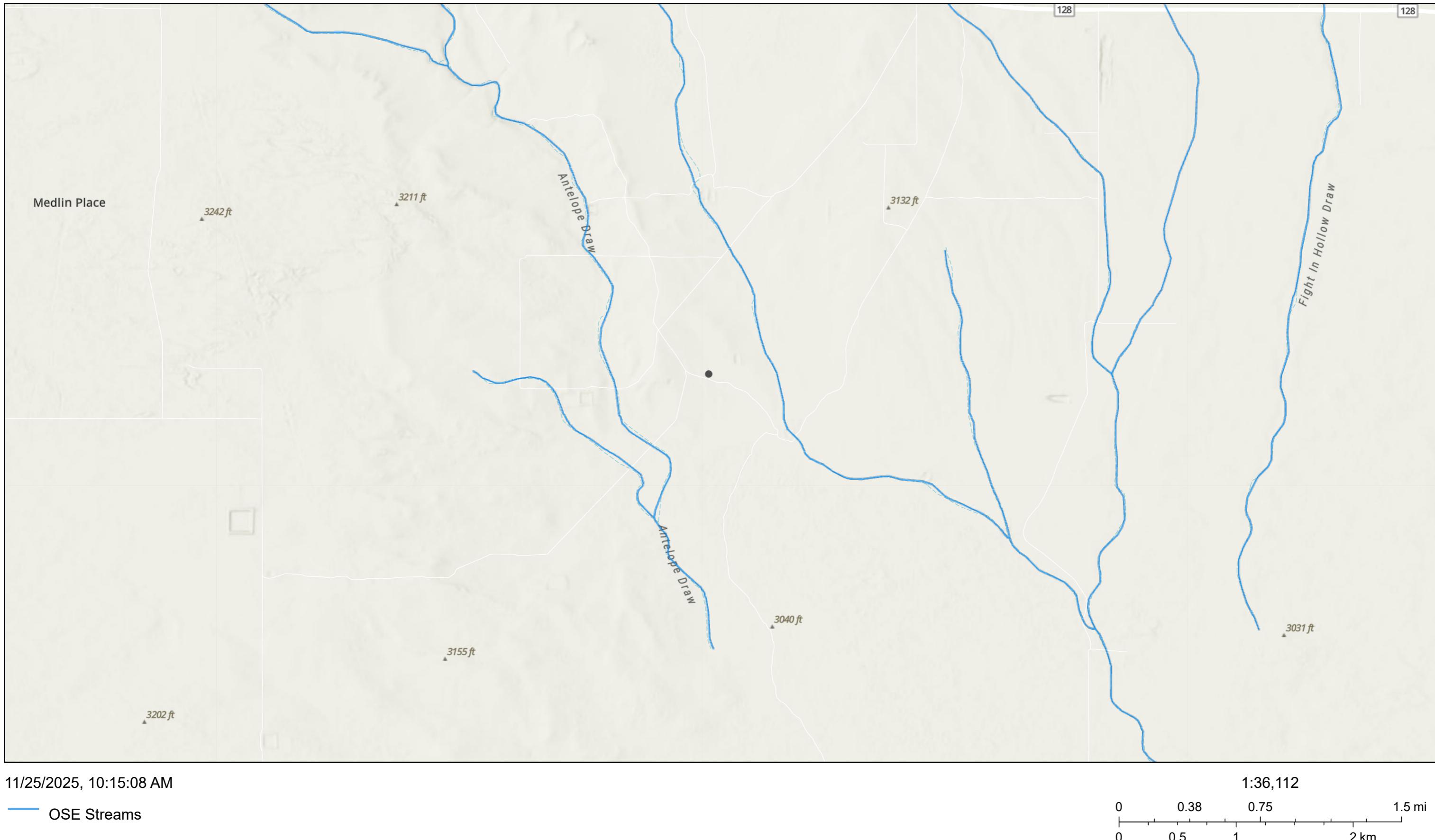
Section	Code	Description
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions or CommentsHelpData TipsExplanation of termsSubscribe for system changes[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)[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: 2025-11-25 11:27:50 EST

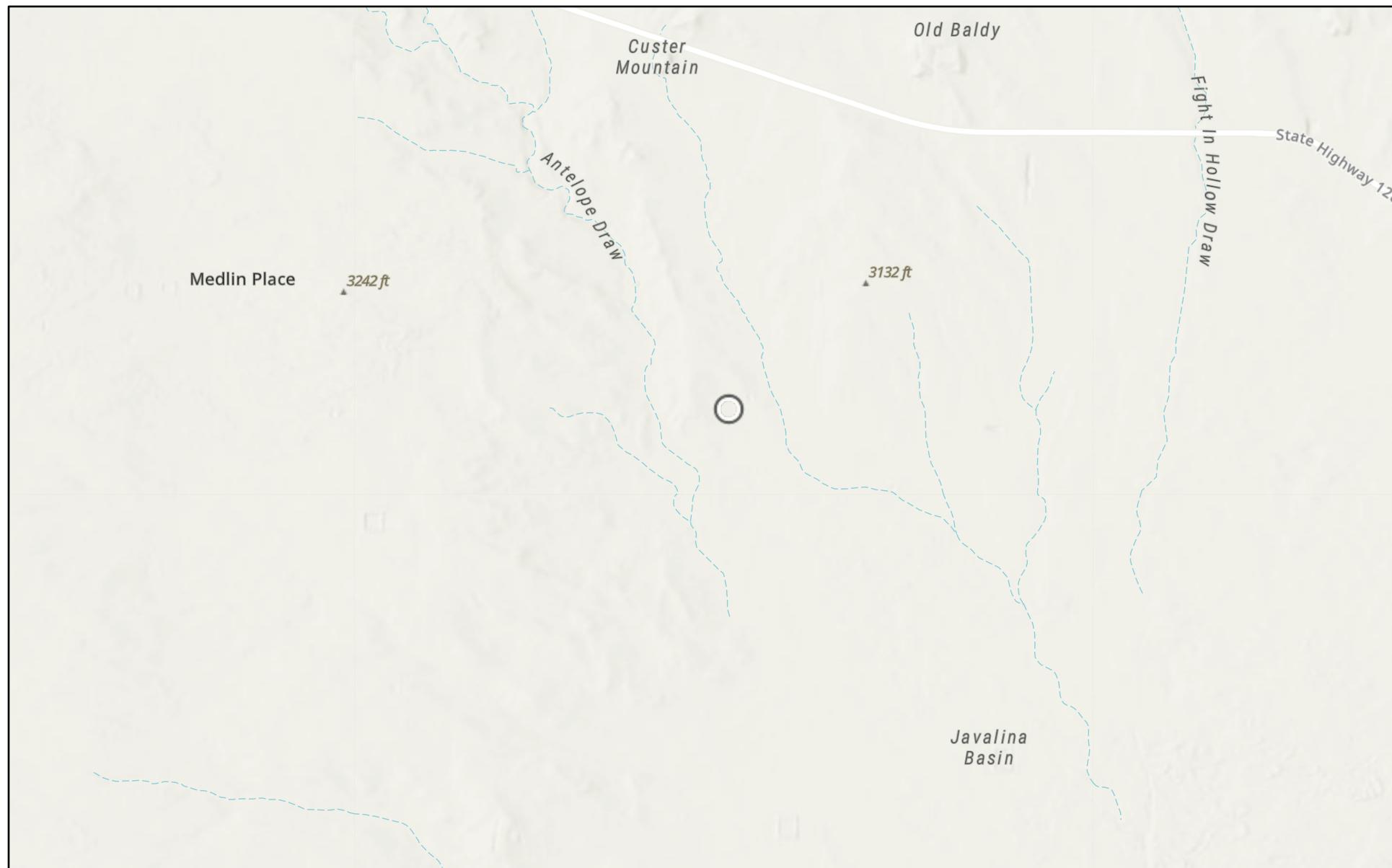
0.4 0.3 nadww01

FVV2207537919 - LOE AST CONTAINMENT



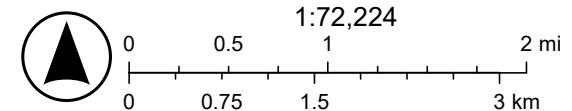
Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, NM OSE

FVV2207537919 - LOE AST CONTAINMENT



11/25/2025

World_Hillshade



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

Table 1
Coterra Energy Operating Co.
LOE 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'	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	221
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: LOE AST Containment

County: Lea County, New Mexico

Description:

View of the lease sign.



Photograph No. 2

Facility: LOE AST Containment

County: Lea County, New Mexico

Description:

View Northwest of the removed AST containment.



Photograph No. 3

Facility: LOE AST Containment

County: Lea County, New Mexico

Description:

View Southeast of the removed AST containment.





Environment Testing

1

2

3

4

5

6

7

8

9

10

11

12

13

14

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/4/2025 12:58:22 PM

JOB DESCRIPTION

LEO AST Containment
Lea County New Mexico

JOB NUMBER

880-65510-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 1/10/2026 9:26:53 AM

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

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Definitions/Glossary

Client: Carmona Resources
Project/Site: LEO AST Containment

Job ID: 880-65510-1
SDG: Lea County New Mexico

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: LEO AST Containment

Job ID: 880-65510-1

Job ID: 880-65510-1**Eurofins Midland****Job Narrative
880-65510-1**

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 AM. 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 5.1°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') (880-65510-1), (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.

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: LEO AST Containment

Job ID: 880-65510-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-65510-1

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

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/01/25 11:00	12/02/25 18:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/01/25 11:00	12/02/25 18:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/01/25 11:00	12/02/25 18:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/01/25 11:00	12/02/25 18:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/01/25 11:00	12/02/25 18:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/01/25 11:00	12/02/25 18:22	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		84		70 - 130			12/01/25 11:00	12/02/25 18:22	1
1,4-Difluorobenzene (Surr)		83		70 - 130			12/01/25 11:00	12/02/25 18:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/02/25 18:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			12/03/25 04:09	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	<50.3	U	50.3		mg/Kg		12/01/25 09:31	12/03/25 04:09	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		12/01/25 09:31	12/03/25 04:09	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		12/01/25 09:31	12/03/25 04:09	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	156	S1+	70 - 130				12/01/25 09:31	12/03/25 04:09	1
o-Terphenyl (Surr)	138	S1+	70 - 130				12/01/25 09:31	12/03/25 04:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	221		10.0		mg/Kg			12/03/25 11:45	1

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Surrogate Summary

Client: Carmona Resources
 Project/Site: LEO AST Containment

Job ID: 880-65510-1
 SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (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
880-65510-1	CS-1 (0-0.5')	84	83
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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (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+
880-65510-1	CS-1 (0-0.5')	156 S1+	138 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)

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: LEO AST Containment

Job ID: 880-65510-1
 SDG: Lea County New Mexico

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		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
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		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
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		Result	LCS	LCS	Unit	D	%Rec	Limits
	Added								
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		Result	LCS	LCS	Unit	D	%Rec	Limits
	%Recovery	Qualifier							
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		Result	LCSD	LCSD	Unit	D	%Rec	Limits	RPD
	Added									
Benzene	0.100		0.1032		mg/Kg		103	70 - 130	7	35

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QC Sample Results

Client: Carmona Resources
 Project/Site: LEO AST Containment

Job ID: 880-65510-1
 SDG: Lea County New Mexico

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		Unit	D	%Rec		RPD	Limit
		Result	Qualifier			%Rec	Limits		
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		Limits
	%Recovery	Qualifier	
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		Spike Added	MS		Unit	D	%Rec	
	Result	Qualifier		Result	Qualifier			%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		Limits
	%Recovery	Qualifier	
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		Spike Added	MSD		Unit	D	%Rec	
	Result	Qualifier		Result	Qualifier			%Rec	Limits
Benzene	<0.00200	U	0.100	0.1050		mg/Kg	105	70 - 130	29
Toluene	<0.00200	U	0.100	0.09823		mg/Kg	98	70 - 130	30
Ethylbenzene	<0.00200	U	0.100	0.09861		mg/Kg	99	70 - 130	26
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1827		mg/Kg	91	70 - 130	23
o-Xylene	<0.00200	U	0.100	0.08985		mg/Kg	90	70 - 130	19

Surrogate	MSD		Limits
	%Recovery	Qualifier	
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		RL	MDL	Unit	D	%Prepared		Dil Fac
	Result	Qualifier					%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg	12/01/25 09:31	12/03/25 00:22		1

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QC Sample Results

Client: Carmona Resources
 Project/Site: LEO AST Containment

Job ID: 880-65510-1
 SDG: Lea County New Mexico

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		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	Result	Qualifier								
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	
MB MB										
Surrogate	%Recovery		Qualifier		Limits		Prepared		Dil Fac	
	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		LCS	LCS	Unit	D	%Rec	
	Added	Result	Qualifier	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	1000	932.1		93	70 - 130			
Diesel Range Organics (Over C10-C28)	1000	1091		109	70 - 130			
LCS LCS								
Surrogate	%Recovery		Qualifier		Limits			
	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		LCSD	LCSD	Unit	D	%Rec		RPD
	Added	Result	Qualifier	%Rec	Limits				Limit
Gasoline Range Organics (GRO)-C6-C10	1000	933.6		93	70 - 130				0
Diesel Range Organics (Over C10-C28)	1000	1095		109	70 - 130				0
LCSD LCSD									
Surrogate	%Recovery		Qualifier		Limits				
	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		Spike	MS	MS	Unit	D	%Rec	
	Result	Qualifier		Result	Qualifier			%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
MS MS									
Surrogate	%Recovery		Qualifier		Limits				
	180	S1+	70 - 130						
o-Terphenyl (Surr)	144	S1+	70 - 130						

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QC Sample Results

Client: Carmona Resources
 Project/Site: LEO AST Containment

Job ID: 880-65510-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-65473-A-21-C MSD

Matrix: Solid

Analysis Batch: 125366

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 125260

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	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 MSD											
%Recovery 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

Matrix: Solid

Analysis Batch: 125516

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			12/03/25 11:00	1

Lab Sample ID: LCS 880-125372/2-A

Matrix: Solid

Analysis Batch: 125516

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

Lab Sample ID: LCSD 880-125372/3-A

Matrix: Solid

Analysis Batch: 125516

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%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

Matrix: Solid

Analysis Batch: 125516

Client Sample ID: Matrix Spike

Prep Type: Soluble

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

Lab Sample ID: 880-65498-A-2-D MSD

Matrix: Solid

Analysis Batch: 125516

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

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

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QC Association Summary

Client: Carmona Resources
 Project/Site: LEO AST Containment

Job ID: 880-65510-1
 SDG: Lea County New Mexico

GC VOA**Prep Batch: 125282**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65510-1	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
880-65510-1	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: 125598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65510-1	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
880-65510-1	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
880-65510-1	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: 125581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65510-1	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
880-65510-1	CS-1 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-125372/1-A	Method Blank	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
 Project/Site: LEO AST Containment

Job ID: 880-65510-1
 SDG: Lea County New Mexico

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
880-65510-1	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

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Lab Chronicle

Client: Carmona Resources
 Project/Site: LEO AST Containment

Job ID: 880-65510-1
 SDG: Lea County New Mexico

Client Sample ID: CS-1 (0-0.5')**Lab Sample ID: 880-65510-1**

Matrix: Solid

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 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 18:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125598	12/02/25 18:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			125581	12/03/25 04:09	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 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 04:09	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	125372	12/02/25 10:28	SA	EET MID
Soluble	Analysis	300.0		1			125516	12/03/25 11:45	CS	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
 Project/Site: LEO AST Containment

Job ID: 880-65510-1
 SDG: Lea County New Mexico

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: LEO AST Containment

Job ID: 880-65510-1
 SDG: Lea County New Mexico

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: LEO AST Containment

Job ID: 880-65510-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-65510-1	CS-1 (0-0.5')	Solid	12/01/25 00:00	12/01/25 01:28	Texas

1

2

3

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Eurofins Midland

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Chain of Custody

880-65510 Chain of Custody



Page 1 of 1

Work Order Comments

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 Marientfield 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

Program: UST/PST	<input type="checkbox"/>	PRP	<input type="checkbox"/>	Brownfields	<input type="checkbox"/>	KRC	<input type="checkbox"/>	perfund	<input type="checkbox"/>
State of Project:									
Reporting Level:	<input type="checkbox"/>	Level III	<input type="checkbox"/>	ST/STU	<input type="checkbox"/>	RRP	<input type="checkbox"/>	Level IV	<input type="checkbox"/>
Deliverables:	EDD	<input type="checkbox"/>	AdAPT	<input type="checkbox"/>	Other:				

ANALYSIS REQUEST

Project Name:	LEO AST Containment	Turn Around	Pres. Code						
Project Number:	3077	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush						
Project Location:	Lea County, New Mexico	Due Date:	Standard TAT						
Sampler's Name:	KR								
PO #:									

BTEX 8021B
TPH 8015M (GRO + DRO + MRO)
Chloride 300.0

Sample Comments

SAMPLE RECEIPT

Received Intact:

Cooler Custody Seals:

Sample Custody Seals:

Total Containers:

Temp Blank:

Yes No

Wet Ice:

Yes No

Parameters

Thermometer ID:

Yes No

Correction Factor:

Temperature Reading:

Corrected Temperature:

Pres. Code

3077

No Yes

Temp:

125

HCl:

HC

H₂SO₄:H₂H₃PO₄:

HP

NaHSO₄:

NABIS

Na₂SO₃:NaSO₃

Zn Acetate+NaOH:

Zn

NaOH+Ascorbic Acid:

SAPC

Hold

None: NO

DI Water: H₂O

Cool: Cool

MeOH: Me

HNO₃: HN

NaOH: Na

HCl: HC

H₂SO₄: HPH₃PO₄: NABISNaHSO₄:

.....

Na₂SO₃: NaSO₃

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Comments:

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-65510-1
SDG Number: Lea County New Mexico**Login Number: 65510****List Source: Eurofins Midland****List Number: 1****Creator: Neeld, Linsey**

Question	Answer	Comment	
The cooler's custody seal, if present, is intact.	N/A		1
Sample custody seals, if present, are intact.	N/A		2
The cooler or samples do not appear to have been compromised or tampered with.	True		3
Samples were received on ice.	True		4
Cooler Temperature is acceptable.	True		5
Cooler Temperature is recorded.	True		6
COC is present	True		7
COC is filled out in ink and legible.	True		8
COC is filled out with all pertinent information	True		9
Is the Field Sampler's name present on COC?	True		10
There are no discrepancies between the containers received and the COC.	True		11
Samples are received within Holding Time (excluding tests with immediate HTs)	True		12
Sample containers have legible labels.	True		13
Containers are not broken or leaking.	True		14
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, January 16, 2026 9:23 AM
To: jennifer.schnur@coterra.com
Subject: 1RF-480 - LOE AST Containment Facility ID [fVV2207537919]
Attachments: C-147 1RF-480 - LOE AST Containment Facility ID [fVV2207537919] 01.16.2026.pdf

1RF-480 - LOE AST Containment Facility ID [fVV2207537919]

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 **542654**, for 1RF-480 - LOE AST Containment Facility ID [fVV2207537919] in P-24-25S-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
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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

Action 542657

CONDITIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 542657
	Action Type: [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 542654, for 1RF-480 - LOE AST Containment Facility ID [fVV2207537919] in P-24-25S-35E, Lea County, New Mexico. The closure request has been approved.	1/16/2026