

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Cutbow East CTB (01.01.2025)
Incident ID: NAPP2500253232
Lea County, New Mexico
Unit P Sec 25 T19S R32E
32.626311°, -103.717989°

Crude Oil Release
Point of Release: Gasket on Heater Treater Failed
Release Date: 01.01.2025
Volume Released: 18 Barrels of Crude Oil
Volume Recovered: 0 Barrels of Crude Oil

CARMONA RESOURCES



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

Prepared by:
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July 22, 2025

New Mexico Oil Conservation District
1220 South St, France Drive
Santa Fe, NM 87505

Re: Closure Report
Cutbow East CTB (01.01.2025)
Incident ID: NAPP2500253232
Coterra Energy Operating Co.
Site Location: Unit P, S25, T19S, R32E
(Lat 32.626311°, Long -103.717989°)
Lea County, New Mexico

To whom it may concern:

On behalf of Coterra Energy Operating Co. (Coterra, formerly Avant Operating, LLC), Carmona Resources, LLC has prepared this letter to document site assessment and remediation activities for the Cutbow East CTB release. The site is located at 32.626311°, -103.717989° within Unit P, S25, T19S, R32E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on January 1, 2025, due to a gasket failing on a heater treated causing it to overspray on pad and in the pasture. It resulted in approximately eighteen (18) barrels of crude oil to be released, with zero (0) barrels of crude oil recovered. The release covered an area of approximately 27,190 square feet. The spill boundaries are shown in Figure 3. The Notification of Release form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. The nearest Groundwater Determination Bore (GWDB) is located approximately 0.23 miles East of the site in S25, T19S, 32E (32.625917°, -103.713639°) and was drilled in 2024. The GWDB was drilled to 55 feet below ground surface (ft bgs) and did not have evidence of groundwater. A copy of the associated well log is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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



4.0 Site Assessment Activities

Initial Assessment

On April 23, 2025, Carmona Resources personnel performed site assessment activities to evaluate soil impacts stemming from the release. A total of six (6) horizontal samples (H-1 through H-6) were installed to total depths of 0.5 ft bgs surrounding the release area. Due to unknown buried utilities in the area, vertical delineation will be completed during remediation activities. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Labs in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and Chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Horizontal Delineation

Horizontal delineation was achieved in all Horizontal Samples for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1.

5.0 Remediation Activities

Between June 24, 2025, and July 3, 2025, Carmona Resources was onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on June 24, 2025 and June 25, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of CS-1 through CS-25, with an estimated square footage of 6,225, was excavated to a depth of 3.0 ft bgs. The area of CS-26 through CS-63, with an estimated square footage of 13,928, was excavated to a depth of 1.0 ft bgs. The area of CS-64 through CS-88, with an estimated square footage of 6,463, was excavated to a depth of 1.5 ft bgs. A total of eighty-eight (88) confirmation floor samples (CS-1 through CS-88) were collected every 400 square feet, and twenty-two (22) sidewall samples (SW-1 through SW-22) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figures 4A through 4B.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. A composite sample of the backfill material was collected for laboratory analysis on July 14, 2025 before being utilized. The backfill material was sourced from the local landowner at GPS 32.628917 -103.612389. Refer to Table 2. Approximately 26,616 square feet of contamination was remediated, resulting in 2,632 cubic yards of material being excavated and transported offsite for proper disposal.

6.0 Reclamation Activities

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. The backfilled areas in the pasture were reseeded with the appropriate pounds of pure live seed per acre on July 21, 2025. The seed mixture to be used is BLM #2 LPC for sandy soil. Of the 26,616 square feet remediated, 19,500 square feet were reclaimed during this time as the remaining portion remains on an active well pad. Of the 2,632 cubic yards of material excavated off site, 1,450 cubic yards were from the pasture. See Figure 5 for the reclamation area.

7.0 Liner Inspection Activities

Before conducting the liner inspection, a crew was onsite to remove all freestanding fluids within the lined containment area. Once all freestanding fluids and rainwater were removed, the NMOCD division office



was notified via NMOCD portal on July 17, 2025 per Subsection D of 19.15.29.12 NMAC. See Appendix C for the NMOCD correspondence prior to performing the liner inspection. On July 22, 2025, a liner inspection was conducted to assess the facility liner integrity and determined there were no integrity issues. Appendix F contains a Liner Integrity Certification and a photolog of the liner inspection event.

8.0 Conclusions

Based on the assessment and analytical data from the remediation, no further actions are required at the site. Coterra formally requests the closure of the spill. Coterra is requesting this incident to be closed for all aspects of 19.15.29.12 & 13. The area on pad will be reclaimed and revegetated during normal P/A activities per NMAC 19.15.29.13. If you have any questions regarding this report or need additional information, please contact us at 432-813-8988.

Sincerely,
Carmona Resources, LLC

Ashton Thielke
Environmental Manager

Gilbert Priego Jr
Project Manager

FIGURES

CARMONA RESOURCES

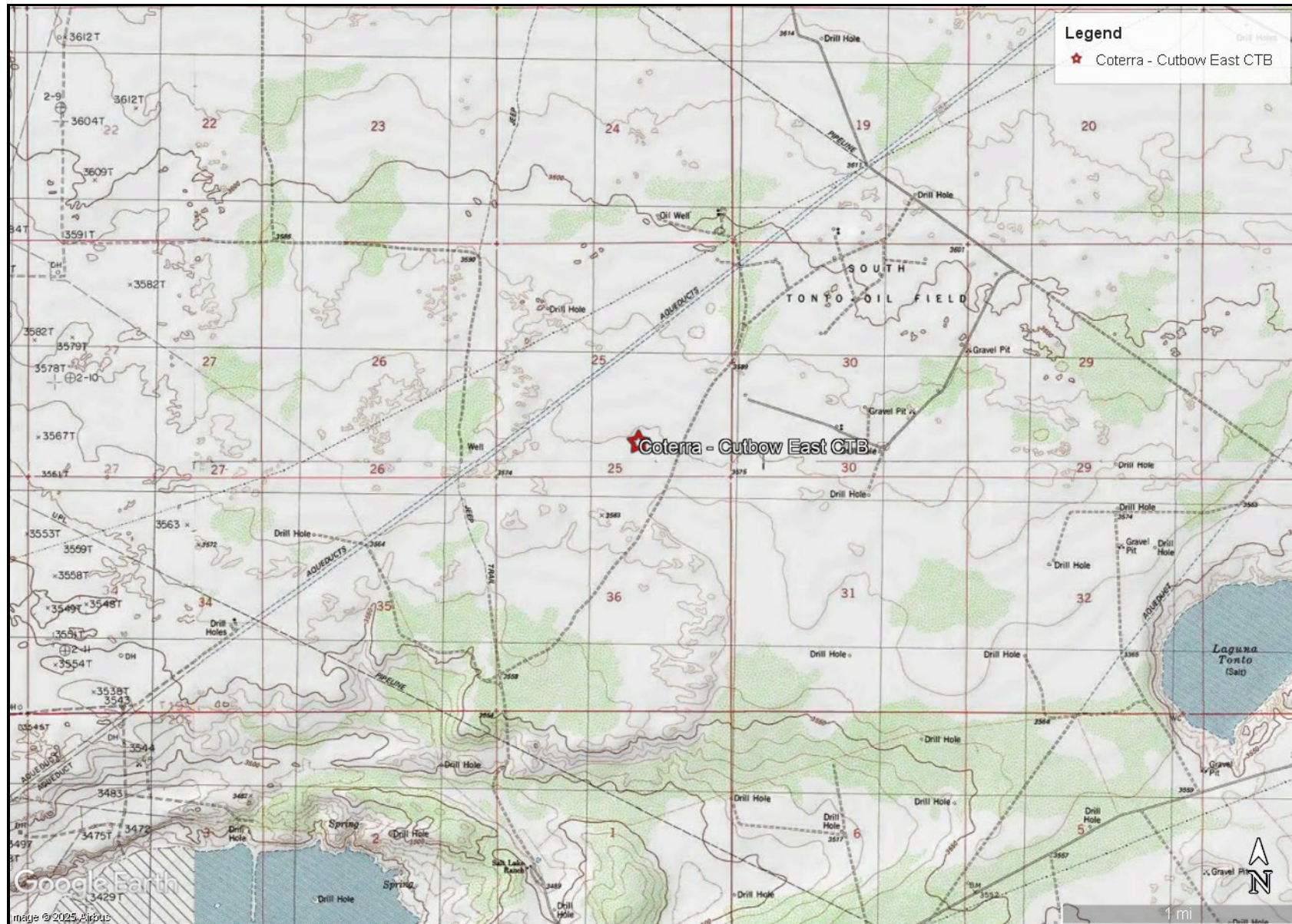




OVERVIEW MAP
COTERRA ENERGY OPERATING CO.
CUTBOW EAST CTB (01.01.2025)
LEA COUNTY, NEW MEXICO
32.626311°, -103.717989°



FIGURE 1

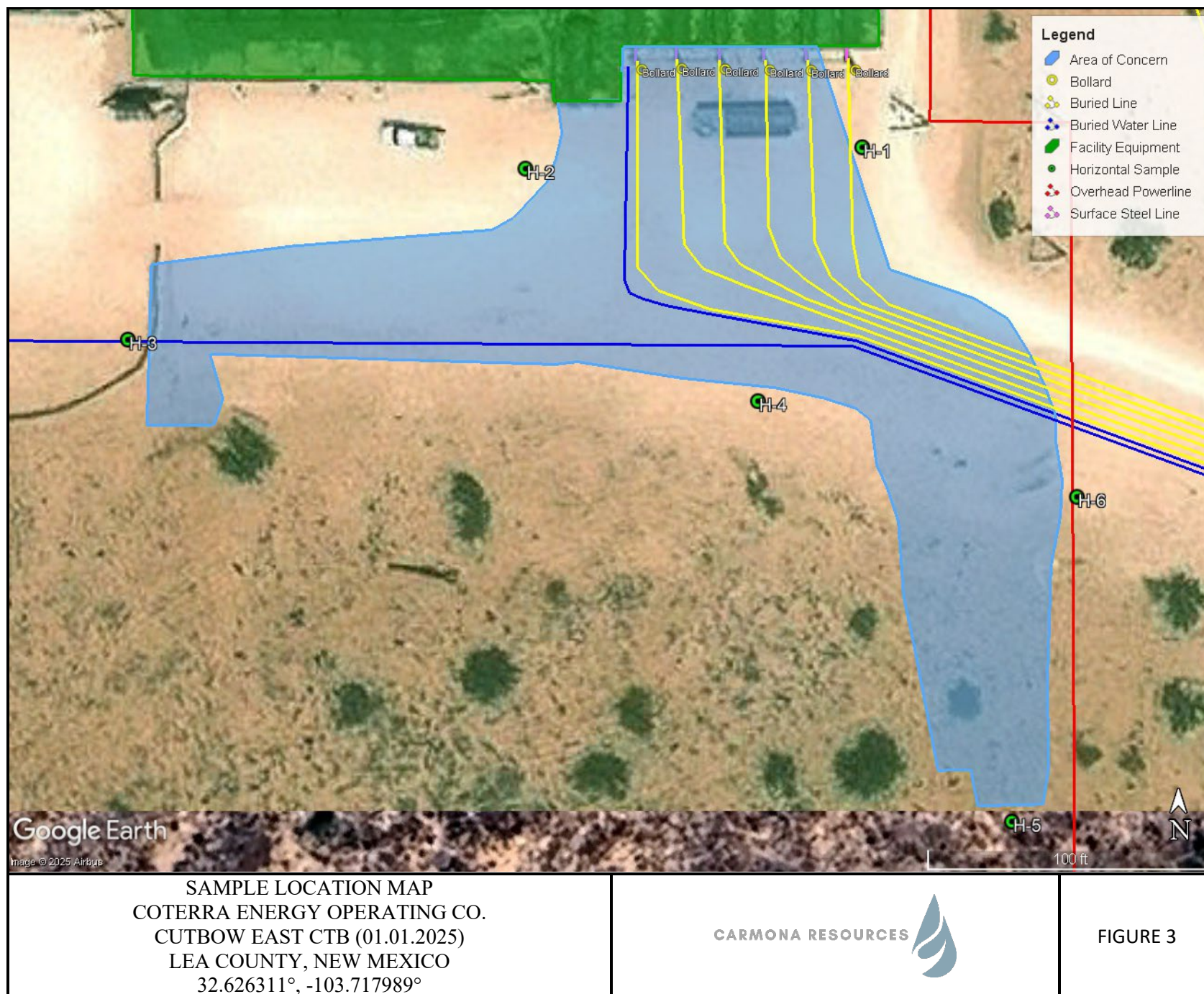


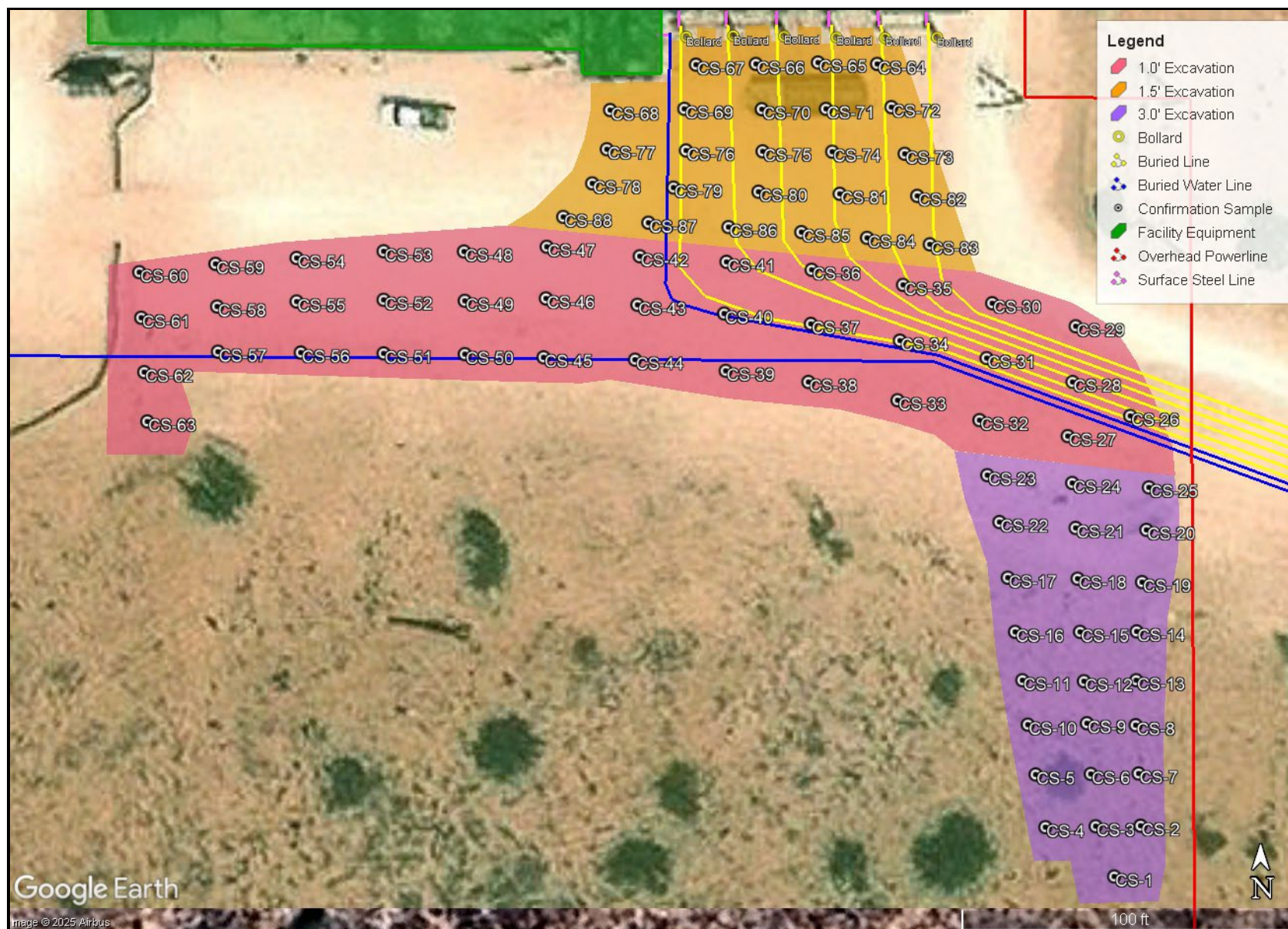
TOPOGRAPHIC MAP
COTERRA ENERGY OPERATING CO.
CUTBOW EAST CTB (01.01.2025)
LEA COUNTY, NEW MEXICO
32.626311°, -103.717989°

CARMONA RESOURCES



FIGURE 2



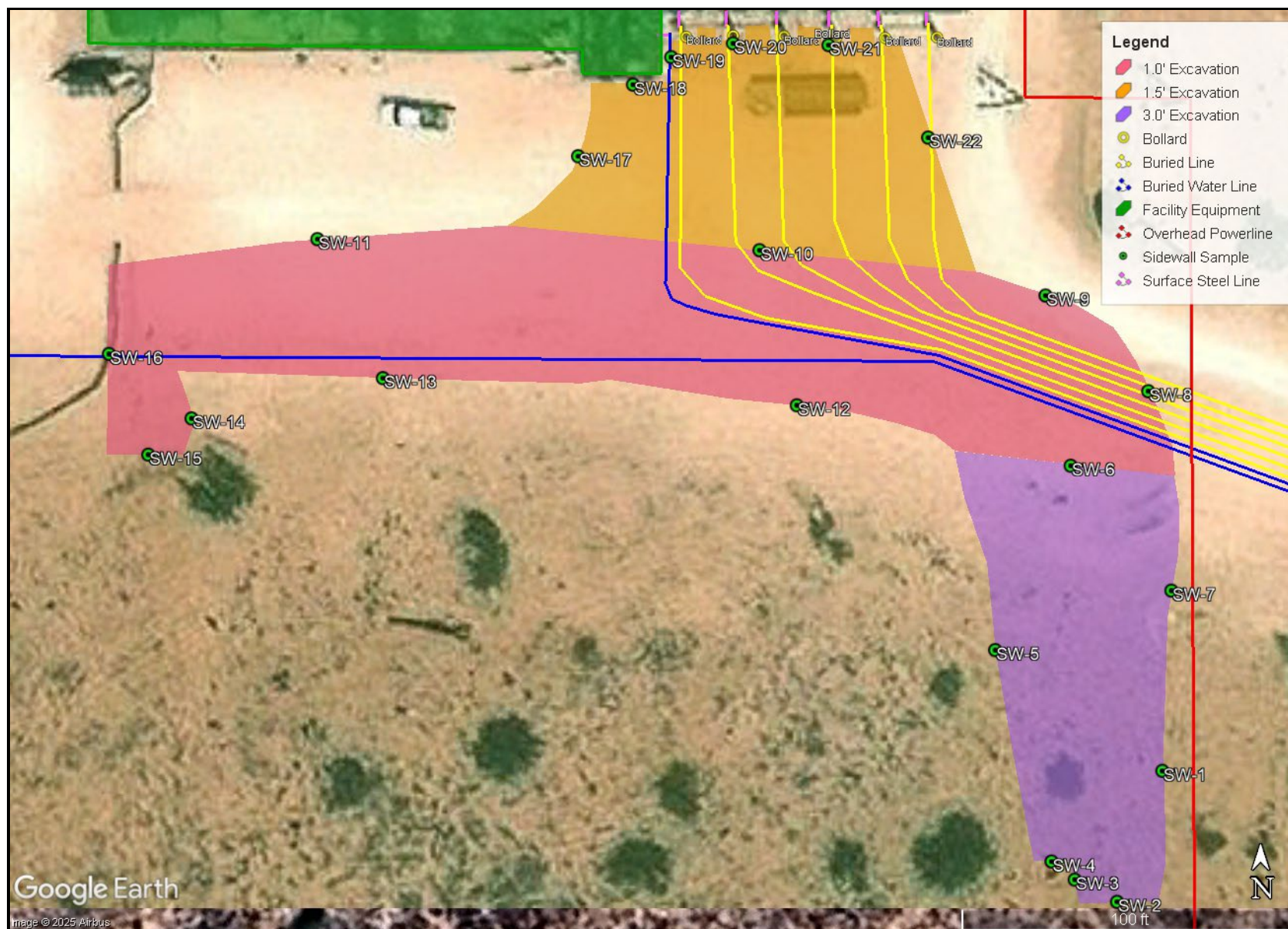


EXCAVATION DEPTH MAP
COTERRA ENERGY OPERATING CO.
CUTBOW EAST CTB (01.01.2025)
LEA COUNTY, NEW MEXICO
32.626311°, -103.717989°

CARMONA RESOURCES



FIGURE 4A

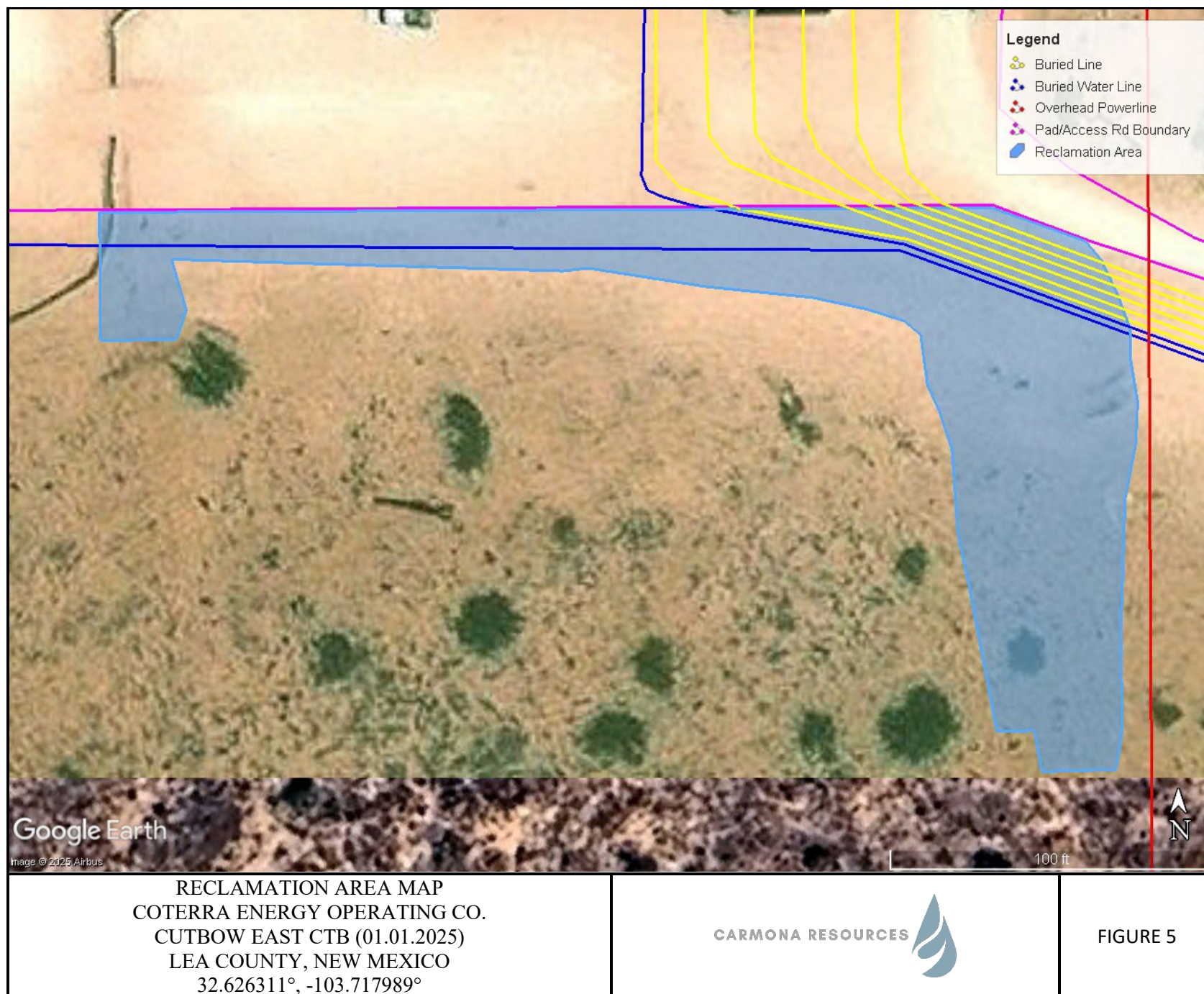


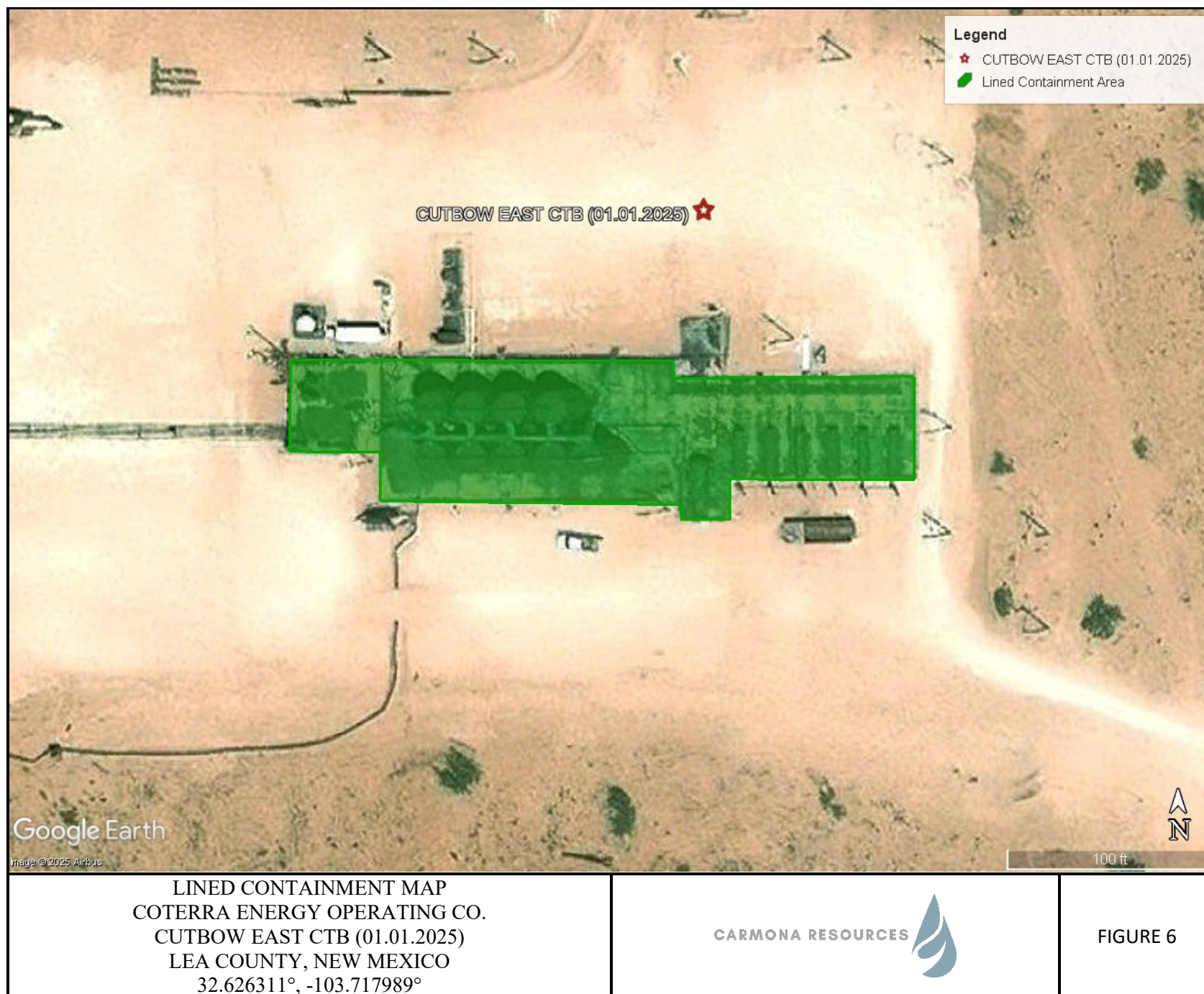
EXCAVATION DEPTH MAP
COTERRA ENERGY OPERATING CO.
CUTBOW EAST CTB (01.01.2025)
LEA COUNTY, NEW MEXICO
32.626311°, -103.717989°

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FIGURE 4B





APPENDIX A

CARMONA RESOURCES



Table 1
Coterra Energy Operating Co.
Cutbow East CTB (01.01.2025)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	4/23/2025	0-0.5'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	125
H-2	4/23/2025	0-0.5'	<50.0	78.0	<50.0	78.0	<0.00200	0.00826	0.00552	0.0150	0.0288	181
H-3	4/23/2025	0-0.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	0.00520	0.00520	103
H-4	4/23/2025	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	167
H-5	4/23/2025	0-0.5'	<50.2	<50.2	<50.2	<50.2	<0.00199	0.00199	<0.00199	<0.00398	0.00467	95.4
H-6	4/23/2025	0-0.5'	<50.1	83.4	<50.1	83.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	123
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

(H) - Horizontal Sample

Table 2
Coterra Energy Operating Co.
Cutbow East CTB (01.01.2025)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-2	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-3	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-4	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-5	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-6	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-7	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-8	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-9	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-10	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-11	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-12	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-13	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-14	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-15	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-16	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-17	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-18	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-19	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-20	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-21	6/30/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-22	6/30/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
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
(C) - Confirmation Sample

Table 2
Coterra Energy Operating Co.
Cutbow East CTB (01.01.2025)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-23	6/30/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-24	6/30/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-25	6/30/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-26	7/1/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-27	7/1/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-28	7/1/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-29	7/1/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-30	7/1/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-31	7/1/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-32	7/1/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-33	7/1/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-34	7/1/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-35	7/1/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-36	7/1/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-37	7/1/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-38	7/1/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-39	7/1/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-40	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-41	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-42	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-43	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-44	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
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
(C) - Confirmation Sample

Table 2
Coterra Energy Operating Co.
Cutbow East CTB (01.01.2025)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-45	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-46	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-47	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-48	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-49	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-50	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-51	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-52	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-53	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-54	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-55	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-56	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-57	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-58	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-59	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-60	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-61	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-62	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-63	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-64	7/3/2025	1.5	<10.0	15.3	<10.0	15.3	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-65	7/3/2025	1.5	<10.0	22.4	<10.0	22.4	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-66	7/3/2025	1.5	<10.0	18.1	<10.0	18.1	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
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
(C) - Confirmation Sample

Table 2
Coterra Energy Operating Co.
Cutbow East CTB (01.01.2025)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-67	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-68	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-69	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-70	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-71	7/3/2025	1.5	<10.0	10.7	<10.0	10.7	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-72	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-73	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-74	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-75	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-76	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-77	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-78	7/3/2025	1.5	<10.0	10.9	<10.0	10.9	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-79	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-80	7/3/2025	1.5	<10.0	18.7	<10.0	18.7	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-81	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-82	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-83	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-84	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-85	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-86	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-87	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-88	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
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
(C) - Confirmation Sample

Table 2
Coterra Energy Operating Co.
Cutbow East CTB (01.01.2025)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-2	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-3	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-4	6/27/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-5	6/30/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-6	6/30/2025	1.0-3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-7	6/30/2025	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-8	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-9	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-10	7/2/2025	1.0-1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-11	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-12	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-13	7/2/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-14	7/3/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-15	7/3/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-16	7/3/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-17	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-18	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-19	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-20	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
SW-21	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-22	7/3/2025	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Backfill	7/14/2025	-	<10.0	47.3	15.7	63.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
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
(SW) - Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG**Coterra Energy Operating Co.****Photograph No. 1****Facility:** Cutbow East CTB (01.01.2025)**County:** Lea County, New Mexico**Description:**

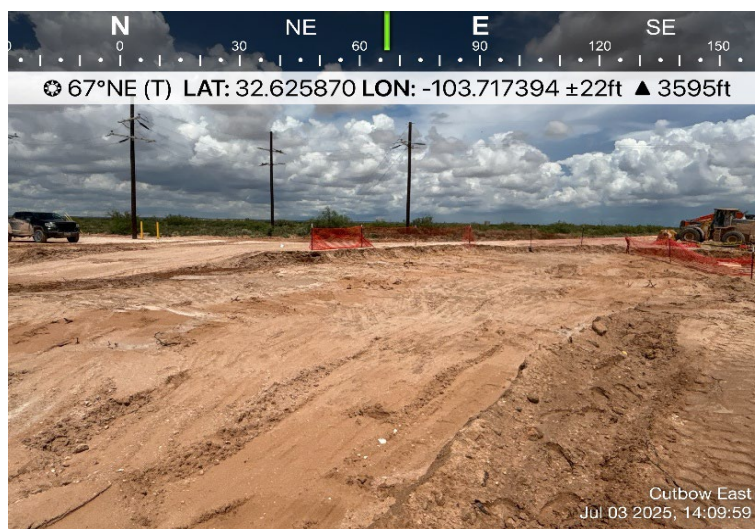
View Southeast, area of CS-1 through CS-13.

**Photograph No. 2****Facility:** Cutbow East CTB (01.01.2025)**County:** Lea County, New Mexico**Description:**

View North, area of CS-14 through CS-25.

**Photograph No. 3****Facility:** Cutbow East CTB (01.01.2025)**County:** Lea County, New Mexico**Description:**

View Northeast, area of CS-26 through CS-38.



PHOTOGRAPHIC LOG**Coterra Energy Operating Co.****Photograph No. 4****Facility:** Cutbow East CTB (01.01.2025)**County:** Lea County, New Mexico**Description:**

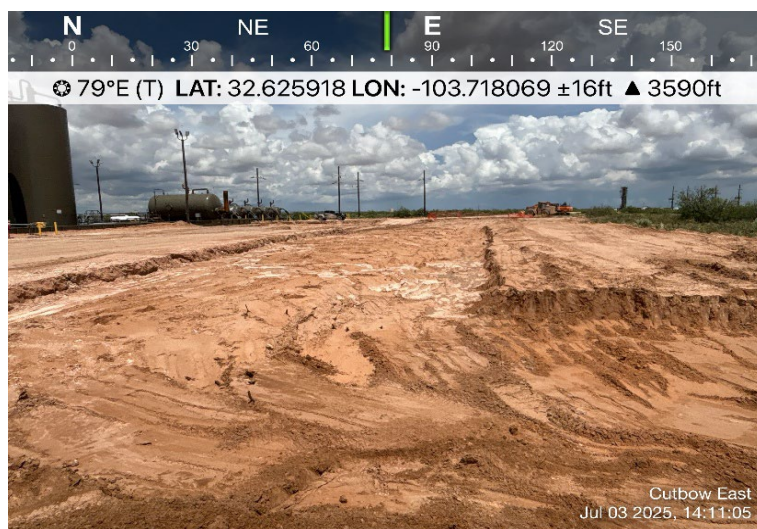
View Northwest, area of CS-39 through CS-61.

**Photograph No. 5****Facility:** Cutbow East CTB (01.01.2025)**County:** Lea County, New Mexico**Description:**

View South, area of CS-60 through CS-63.

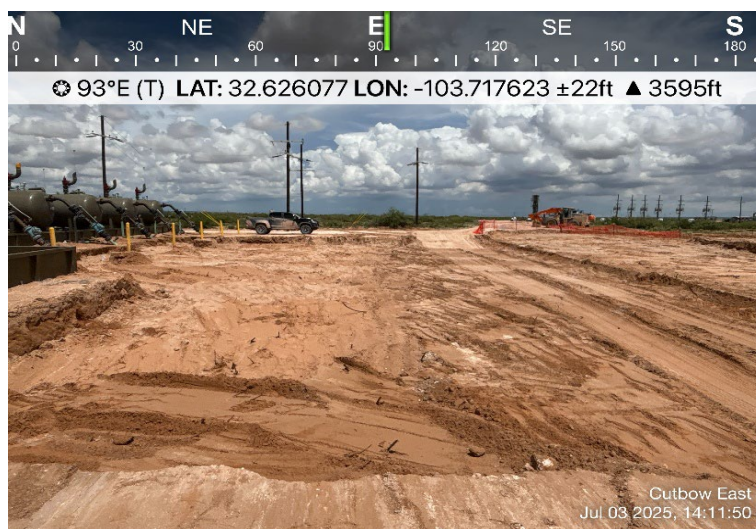
**Photograph No. 6****Facility:** Cutbow East CTB (01.01.2025)**County:** Lea County, New Mexico**Description:**

View East, area of CS-26 through CS-63.

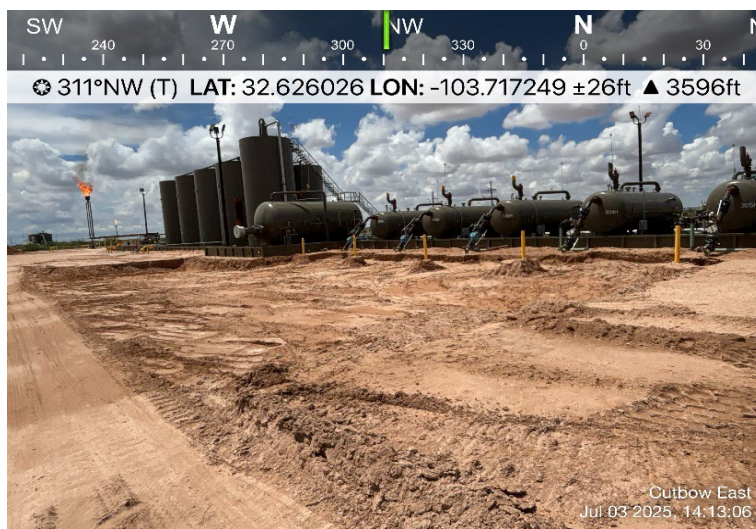


PHOTOGRAPHIC LOG**Coterra Energy Operating Co.****Photograph No. 7****Facility:** Cutbow East CTB (01.01.2025)**County:** Lea County, New Mexico**Description:**

View East, area of CS-64 through CS-88.

**Photograph No. 8****Facility:** Cutbow East CTB (01.01.2025)**County:** Lea County, New Mexico**Description:**

View Northwest, area of CS-64 through CS-88.



APPENDIX C

CARMONA RESOURCES



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

General Information
Phone: (505) 629-6116

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

QUESTIONS

Action 416517

QUESTIONS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 416517
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Cutbow East CTB
Date Release Discovered	01/01/2025
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Gasket Crude Oil Released: 18 BBL Recovered: 0 BBL Lost: 18 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Liquids released from heater treater gasket "misted" the surface soil, approximately 50 feet. Soil scraped, removed; new material will be brought in.

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QUESTIONS, Page 2

Action 416517

QUESTIONS (continued)

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 416517
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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ACKNOWLEDGMENTS

Action 416517

ACKNOWLEDGMENTS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 416517
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 416517

CONDITIONS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 416517
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
cdh	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	1/2/2025

AVANT OPERATING
CUTBOW EAST CTB
LEA, NM

10:49



[Home](#)

Saturated Soil Calculation

Cutbow East CTB

L(Ft)

W(Ft)

D(In)

Oil %

37900

1

.4

100



Soil Definitions



SOIL TYPE FACTOR

0.08

0.14

0.16

0.25

0.15

H₂O Spill Total: 0.00 Bbls

Oil Spill Total: 18.00 Bbls

Total Spilled: 18.00 Bbls

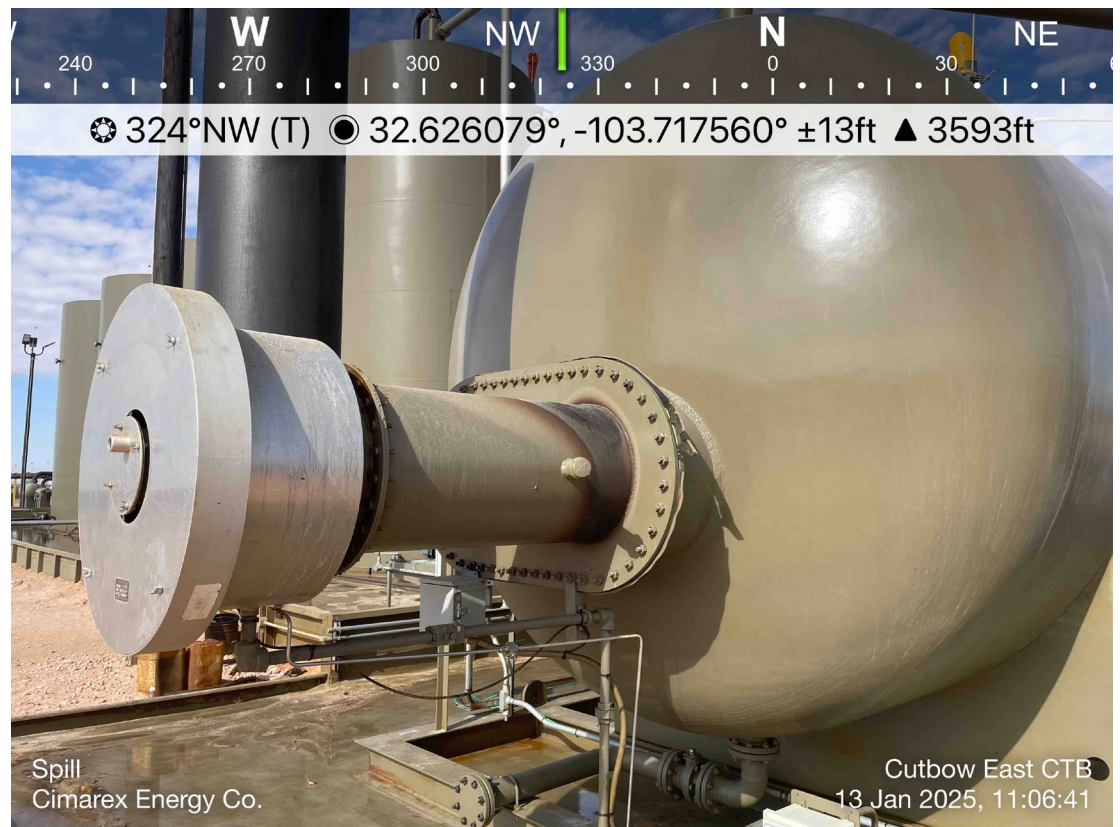
Total Spilled: 755.98 Gals

Add Section to Spill

AVANT OPERATING
CUTBOW EAST CTB
LEA, NM



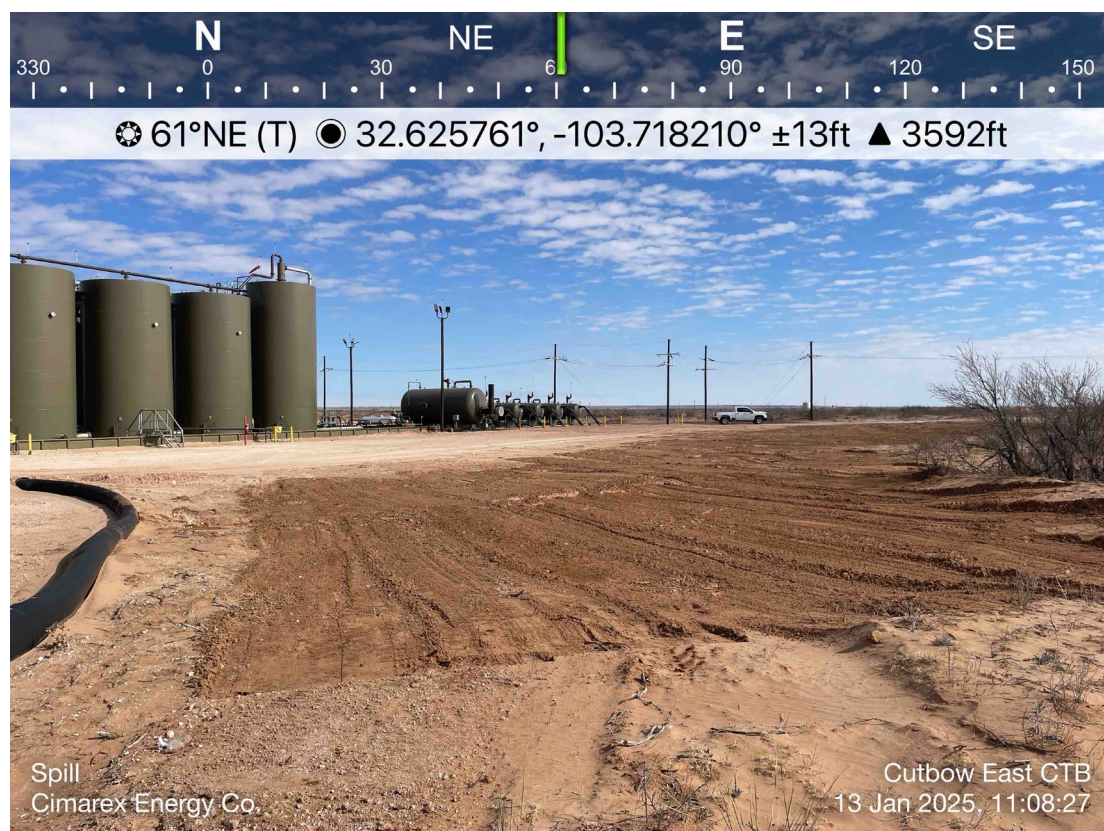
AVANT OPERATING
CUTBOW EAST CTB
LEA, NM



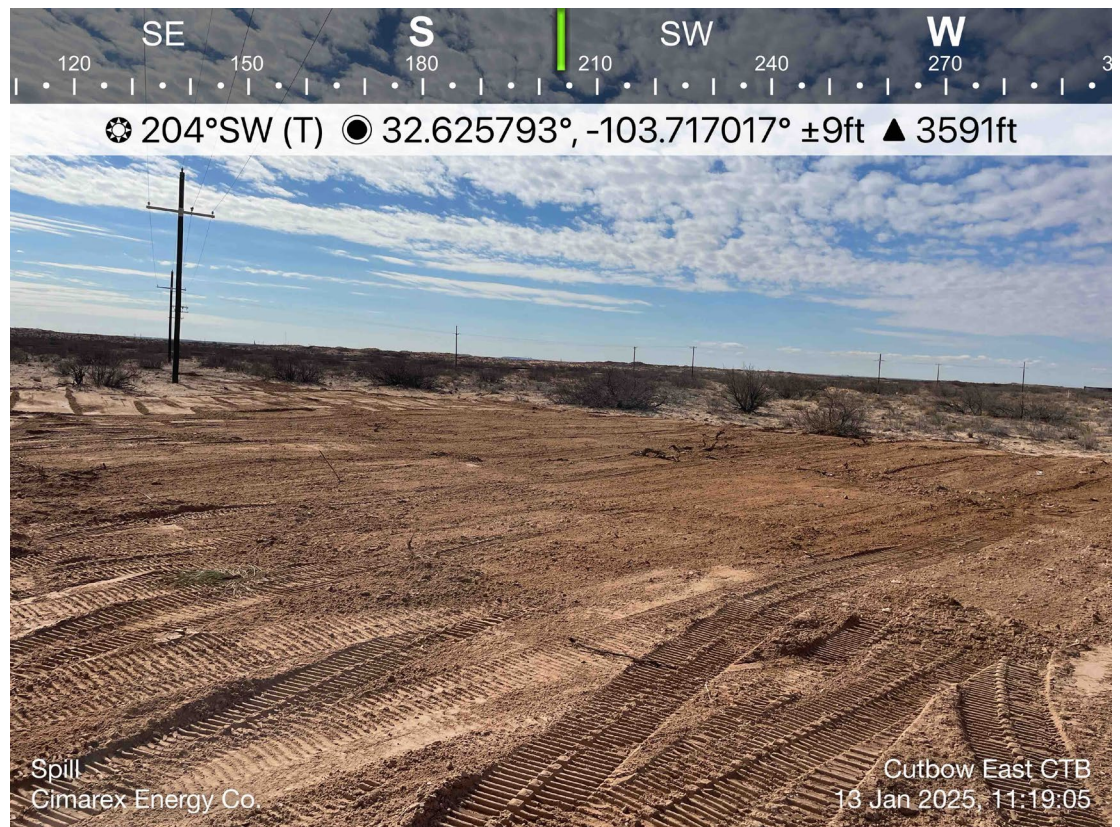
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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 477795

QUESTIONS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 477795
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2500253232
Incident Name	NAPP2500253232 CUTBOW EAST CTB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Received
Incident Facility	[fAPP2331147143] CUTBOW EAST CTB 1

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Cutbow East CTB
Date Release Discovered	01/01/2025
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Gasket Crude Oil Released: 18 BBL Recovered: 0 BBL Lost: 18 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Liquids released from heater treater gasket "misted" the surface soil, approximately 50 feet. Soil scraped, removed; new material will be brought in.

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QUESTIONS, Page 2

Action 477795

QUESTIONS (continued)

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 477795
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 06/23/2025
--	---

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 477795

QUESTIONS (continued)

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 477795
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

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

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

CONDITIONS

Action 477795

CONDITIONS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 477795
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	6/23/2025

Ashton Thielke

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, June 23, 2025 12:15 PM
To: Ashton Thielke
Cc: Laci.Luig@coterra.com; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] NAPP2500253232 - Cutbow East CTB (01.01.2025) - NMAC 19.15.29.12.D.1.C - 400sqft sampling variance

Good morning Ashton,

Your sampling variance request is approved with the following conditions: Confirmation floor samples may be collected at a frequency no greater than 400 ft² while confirmation sidewall samples should be collected at a frequency no greater than 200 ft². Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Ashton Thielke <ThielkeA@carmonaresources.com>
Sent: Monday, June 23, 2025 9:04 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Laci.Luig@coterra.com
Subject: [EXTERNAL] NAPP2500253232 - Cutbow East CTB (01.01.2025) - NMAC 19.15.29.12.D.1.C - 400sqft sampling variance

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning Shelly,

On behalf of Coterra Energy (formerly Avant Energy), Carmona Resources, LLC is requesting a confirmation sampling variance from 200 square feet to 400 square feet composite floor & sidewall samples. Attached is a proposed excavation map and at a minimum, ~3,200 cubic yards of material will be removed. As seen on Table 1 (page 2 & 3), the entire area has been delineated per NMAC 19.15.29.12. Groundwater was recently determined nearby to be greater than 55' deep. The nearest house is greater than 5.0 miles away. This remediation will start on Tuesday, June 24, 2025, weather permitting. Carmona Resources and Coterra Energy believe that due to the groundwater, karst, and lack of supply wells for distant households, that this confirmation sampling variance would provide equal or better protection of fresh water, public health and the environment.

Please give me a call if you have any questions!

Thanks!

Ashton Thielke
Environmental Manager
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-8988 C: 281-753-5659
ThielkeA@carmonaresources.com
[Environmental Consulting Firm - Carmona Resources](#)

CARMONA RESOURCES



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

General Information
Phone: (505) 629-6116

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

QUESTIONS

Action 478500

QUESTIONS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 478500
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2500253232
Incident Name	NAPP2500253232 CUTBOW EAST CTB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2331147143] CUTBOW EAST CTB 1

Location of Release Source	
Site Name	Cutbow East CTB
Date Release Discovered	01/01/2025
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	37,900
What is the estimated number of samples that will be gathered	125
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/27/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources - 432-813-8988 400 sqft sampling variance approved for floor samples, 200sqft sidewall sampling
Please provide any information necessary for navigation to sampling site	32.626311,-103.717989

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

General Information
Phone: (505) 629-6116

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<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 478500

CONDITIONS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 478500
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
athielke	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/24/2025
athielke	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	6/24/2025

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

QUESTIONS

Action 478505

QUESTIONS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 478505
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2500253232
Incident Name	NAPP2500253232 CUTBOW EAST CTB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2331147143] CUTBOW EAST CTB 1

Location of Release Source	
Site Name	Cutbow East CTB
Date Release Discovered	01/01/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	37,900
What is the estimated number of samples that will be gathered	125
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/30/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources - 432-813-8988 400 sqft sampling variance approved for floor samples, 200sqft sidewall sampling
Please provide any information necessary for navigation to sampling site	32.626311,-103.717989

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

CONDITIONS

Action 478505

CONDITIONS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 478505
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
athielke	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/24/2025
athielke	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	6/24/2025

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

QUESTIONS

Action 478741

QUESTIONS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 478741
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2500253232
Incident Name	NAPP2500253232 CUTBOW EAST CTB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2331147143] CUTBOW EAST CTB 1

Location of Release Source	
Site Name	Cutbow East CTB
Date Release Discovered	01/01/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	37,900
What is the estimated number of samples that will be gathered	125
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/01/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources - 432-813-8988 400 sqft sampling variance approved for floor samples, 200sqft sidewall sampling
Please provide any information necessary for navigation to sampling site	32.626311,-103.717989

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CONDITIONS

Action 478741

CONDITIONS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 478741
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
athielke	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/25/2025
athielke	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	6/25/2025

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

QUESTIONS

Action 478744

QUESTIONS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 478744
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2500253232
Incident Name	NAPP2500253232 CUTBOW EAST CTB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2331147143] CUTBOW EAST CTB 1

Location of Release Source	
Site Name	Cutbow East CTB
Date Release Discovered	01/01/2025
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	37,900
What is the estimated number of samples that will be gathered	125
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/02/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources - 432-813-8988 400 sqft sampling variance approved for floor samples, 200sqft sidewall sampling
Please provide any information necessary for navigation to sampling site	32.626311,-103.717989

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

General Information
Phone: (505) 629-6116

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

CONDITIONS

Action 478744

CONDITIONS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 478744
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
athielke	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/25/2025
athielke	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	6/25/2025

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

QUESTIONS

Action 478746

QUESTIONS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 478746
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2500253232
Incident Name	NAPP2500253232 CUTBOW EAST CTB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2331147143] CUTBOW EAST CTB 1

Location of Release Source	
Site Name	Cutbow East CTB
Date Release Discovered	01/01/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	37,900
What is the estimated number of samples that will be gathered	125
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/03/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources - 432-813-8988 400 sqft sampling variance approved for floor samples, 200sqft sidewall sampling
Please provide any information necessary for navigation to sampling site	32.626311,-103.717989

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

CONDITIONS

Action 478746

CONDITIONS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 478746
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
athielke	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/25/2025
athielke	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	6/25/2025

APPENDIX D

CARMONA RESOURCES

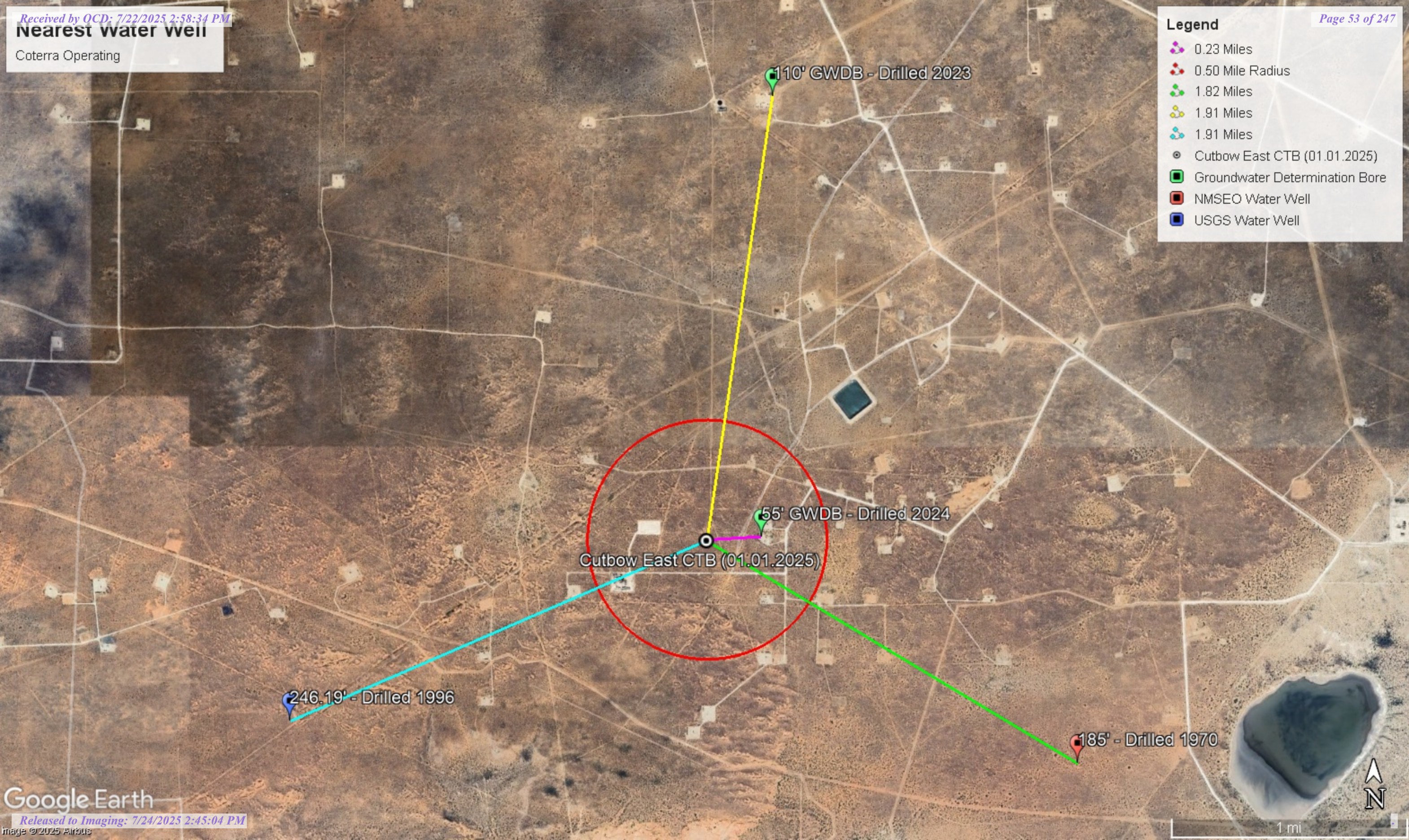


Nearest water well

Coterra Operating

Legend

- 0.23 Miles
- 0.50 Mile Radius
- 1.82 Miles
- 1.91 Miles
- 1.91 Miles
- Cutbow East CTB (01.01.2025)
- Groundwater Determination Bore
- NMSEO Water Well
- USGS Water Well



Low Karst

Coterra Operating

Legend

- Cutbow East CTB (01.01.2025)
- Low

Cutbow East CTB (01.01.2025)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance (meters)	Well Depth (In feet)	Depth Water (In feet)	Water Column
L 07023		L	LE	NE	SW	SW	32	19S	33E	622840.0	3609047.0	*	2929	262	185	77
CP 01967 POD1		CP	LE	NE	NE	NE	24	19S	32E	620719.8	3613546.4		3052	110		
CP 00075	O	CP	LE		NE	SE	34	19S	32E	617502.0	3609301.0		3061	575		

Average Depth to Water: 185 feet

Minimum Depth: 185 feet

Maximum Depth: 185 feet

Record Count: 3

UTM Filters (in meters):

Easting: 620309.23
Northing: 3610521.92
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.



2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

March 5, 2025

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record CP-2048 Pod-1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, CP-2048 Pod-1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Lucas Middleton".

Lucas Middleton

Enclosures: as noted above



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 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). CP-2048			
	WELL OWNER NAME(S) Walsh & Watts, INC.				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 155 Walsh Drive				CITY Aledo	STATE TX	ZIP 76008	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 37	SECONDS 33.3 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE 103	42	49.1 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Andaway NW SE SE Sec. 25 T19S R32E, NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 2/12/25	DRILLING ENDED 2/12/25	DEPTH OF COMPLETED WELL (FT) Temporary Well Material		BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 03/04/2024		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER – SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		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						
	0	55	±6.25	Soil Boring	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		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

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		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)	
	FROM	TO					
	0	9	9	Backfill, sand and caliche	Y ✓ N		
	8	14	5	Sand and caliche	Y ✓ N		
	14	24	10	Sand, caliche and increasing clay	Y ✓ N		
	24	55	31	Clay, tight	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: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:				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: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. . See attach plugging record. Logs adapted from onsite Terracon Personal					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt							
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: <div style="display: flex; justify-content: space-between;"> <div>  Jack Atkins (Mar 4, 2025 12:40 MST) </div> <div> Jackie D. Atkins </div> <div> 03/04/2025 </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>SIGNATURE OF DRILLER / PRINT SIGNEE NAME</div> <div>DATE</div> </div>						

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: CP-2048 POD-1
 Well owner: Walsh & Watts, INC. Phone No.: _____
 Mailing address: 155 Walsh Drive
 City: Aledo State: TX Zip code: 76008

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)
- 2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/25
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Cameron Pruitt
- 4) Date well plugging began: 03/04/2025 Date well plugging concluded: 03/04/2025
- 5) GPS Well Location: Latitude: 32 deg, 37 min, 33.3 sec
 Longitude: 103 deg, 42 min, 49.1 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl),
 by the following manner: water level probe
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 02/04/2025
- 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):

- For each interval plugged, describe within the following columns:**

USE OF ROSS-CELL NO
5 APR '25 AM 11:47

III. SIGNATURE:


Jack Atkins (Mar 4, 2025 12:40 MST)

03/04/2025

Date _____






WR-20 Well Record and Log-packet-forsign

Final Audit Report

2025-03-04

Created:	2025-03-04
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAA8CQwZeAgszwpNQWtCpTlhp04DS79yKAn

"WR-20 Well Record and Log-packet-forsign" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2025-03-04 - 6:53:43 PM GMT
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2025-03-04 - 6:54:09 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2025-03-04 - 7:37:00 PM GMT
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2025-03-04 - 7:40:09 PM GMT - Time Source: server
-  Agreement completed.
2025-03-04 - 7:40:09 PM GMT

OSE DISTRICTS WELL NH
5 MAR '25 4:11:47

Form WR-23

STATE ENGINEER OFFICE

SANTA FE

511929

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

(A) Owner of well CACTUS DRILLING CORP.
Street and Number BOX 2218
City DALLAS, TEXAS State TX
Well was drilled under Permit No. L-2023 CP-4822(B) and is located in the
NE 1/4 SW 1/4 SW 1/4 of Section 32 Twp. 19 Rge. 33
(B) Drilling Contractor ABBOTT BROS. License No. WD-46
Street and Number BOX 637
City HOBBS, N.M. State N.M.
Drilling was commenced NOV. 12, 1970 19
Drilling was completed NOV. 15, 1970 19
(Plat of 640 acres)
Elevation at top of casing in feet above sea level _____ Total depth of well 262
State whether well is shallow or artesian shallow Depth to water upon completion 185

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	185	214	29	water sand
2				
3				
4				
5				

STATE ENGINEER OFFICE
SANTA FE, N.M.
1970 DEC 16 AM 11:07

Section 3

RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
7	23	8	1	262	262	none	200	260

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____
Street and Number _____ City _____ State _____
Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____
Plugging method used _____ (Date) Plugged _____ 19____
Plugging approved by: _____ Cement Plugs were placed as follows:

No.	Depth of Plug		No. of Sacks Used
	From	To	

FOR USE OF STATE ENGINEER ONLY

Date Received _____

Basin Supervisor _____

File No. L-2023 CP-4822(B) Use owd Location No. 19.33.32.3322

LOG OF WELL

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Murrell G. Ghatt
Well Driller



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) CP-01967 POD 1		WELL TAG ID NO.		OSE FILE NO(S). - CP-1967		
	WELL OWNER NAME(S) Hearthstone Operating, LLC				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS 600 N. Marienfeld, Suite 1000				CITY Midland		
					STATE TX		
				ZIP 79701			
WELL LOCATION (FROM GPS)	DEGREES 32		MINUTES 39		SECONDS 10.64		* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84
	LATITUDE -103		LONGITUDE 42		N W		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE							


2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1670		NAME OF LICENSED DRILLER Kenny Cooper		NAME OF WELL DRILLING COMPANY HCI Drilling			
	DRILLING STARTED 06/13/2023		DRILLING ENDED 06/13/2023		DEPTH OF COMPLETED WELL (FT) 110'		BORE HOLE DEPTH (FT) 110'	
					DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT)		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD					DATE STATIC MEASURED JUN 20 2023 11:55		
	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 INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		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						
	0	90	6	PVC	FJ	2	Sch 40	
90	110	6	PVC	FJ	2	Sch 40	.010	

3. ANNULAR MATERIAL	DEPTH (feet bgl)		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. CP-1967-POD 1	POD NO. 1	TRN NO. 746698
LOCATION Mon 19.32.24.222	WELL TAG ID NO.	PAGE 1 OF 2

	DEPTH (feet bgl)		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)
	FROM	TO					
4. HYDROGEOLOGIC LOG OF WELL	0	5	5	Caliche	Y	N	
	5	25	20	Sand	Y	N	
	25	65	45	Sand/Sandstone	Y	N	
	45	95	50	Sand/Sandy Clay	Y	N	
	95	110	15	Sand	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: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY: _____					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: Dry Hole						
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:							
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:						
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME				Kenny Cooper 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	

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 746698
File Nbr: CP 01967
Well File Nbr: CP 01967 POD1

Jun. 28, 2023

CHRIS MARIN
EARTHSTONE OPERATING LLC
600 N MARIENFELD SUITE 1000
MIDLAND, TX 79701

Greetings:

The above numbered permit was issued in your name on 05/12/2023.

The Well Record was received in this office on 06/28/2023, stating that it had been completed on 06/13/2023, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 05/11/2024.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in blue ink, appearing to read "Maret Thompson".

Maret Thompson
(575) 622-6521

drywell



USGS Home
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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 323641103444801

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

USGS 323641103444801 19S.32E.34.42322

Lea County, New Mexico
Latitude 32°36'53", Longitude 103°44'52" NAD27
Land-surface elevation 3,559.00 feet above NGVD29
The depth of the well is 575 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) 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 (measured)
1965-11-18			D 62610		3295.16	NGVD29	1		Z	
1965-11-18			D 62611		3296.72	NAVD88	1		Z	
1965-11-18			D 72019	263.84			1		Z	
1968-06-27			D 62610		3303.50	NGVD29	1		Z	
1968-06-27			D 62611		3305.06	NAVD88	1		Z	
1968-06-27			D 72019	255.50			1		Z	
1971-01-28			D 62610		3306.73	NGVD29	1		Z	
1971-01-28			D 62611		3308.29	NAVD88	1		Z	
1971-01-28			D 72019	252.27			1		Z	
1976-12-14			D 62610		3311.62	NGVD29	1		Z	
1976-12-14			D 62611		3313.18	NAVD88	1		Z	
1976-12-14			D 72019	247.38			1		Z	
1986-03-27			D 62610		3310.26	NGVD29	1		Z	
1986-03-27			D 62611		3311.82	NAVD88	1		Z	
1986-03-27			D 72019	248.74			1		Z	

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
1991-05-24			D	62610	3310.46	NGVD29	1		Z	
1991-05-24			D	62611	3312.02	NAVD88	1		Z	
1991-05-24			D	72019	248.54		1		Z	
1996-02-06			D	62610	3312.81	NGVD29	1		S	
1996-02-06			D	62611	3314.37	NAVD88	1		S	
1996-02-06			D	72019	246.19		1		S	

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

[Questions or Comments](#)
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[Explanation of terms](#)
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[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)
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Title: Groundwater for New Mexico: Water Levels
URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=323641103444801&agency_cd=USGS&format=html)



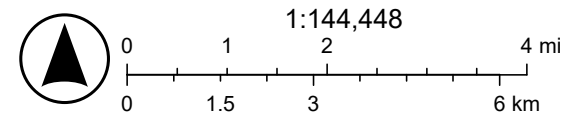
Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2025-04-03 10:41:21 EDT
0.3 0.23 nadww01

Cutbow East CTB (01.01.2025)



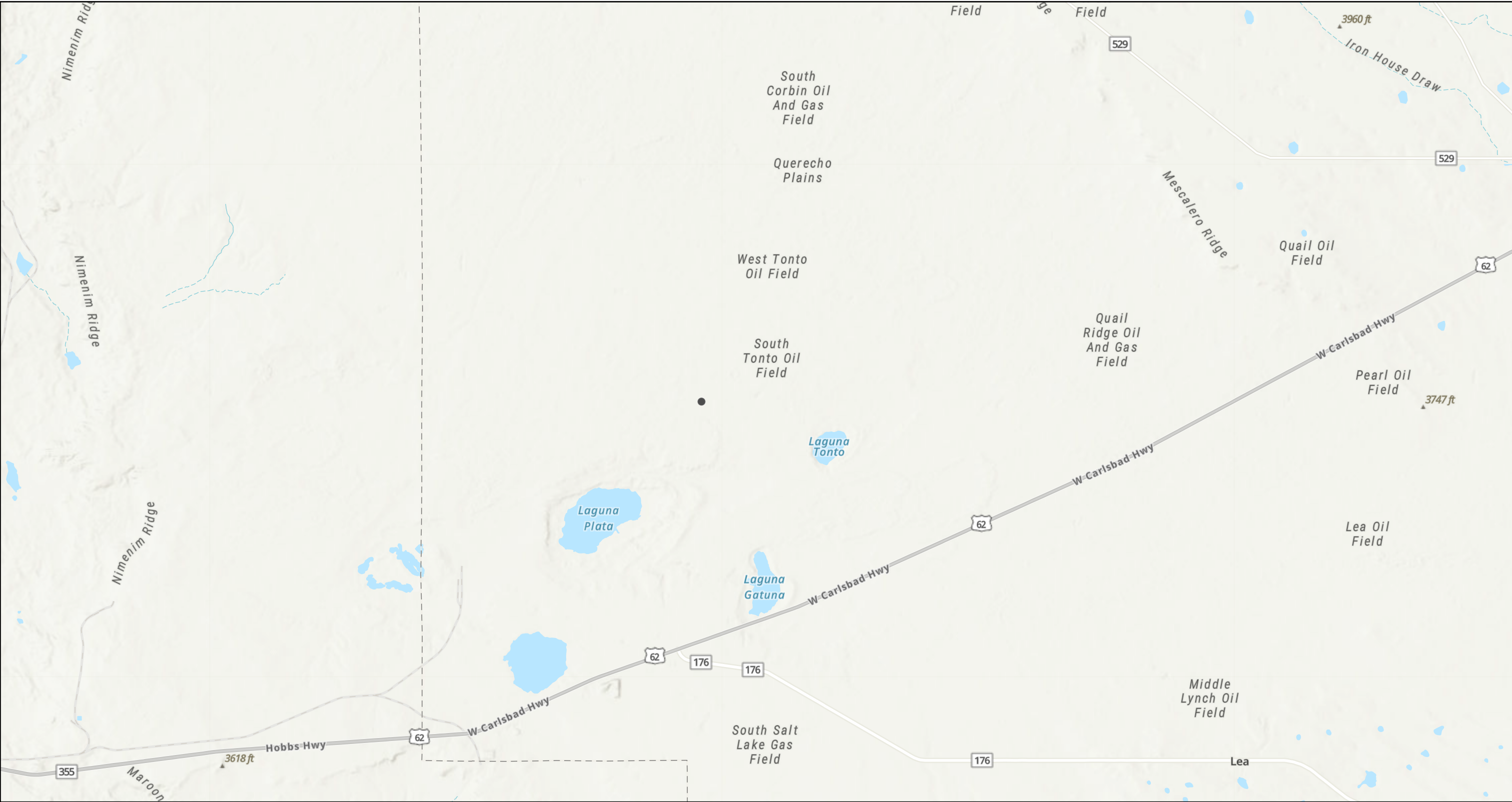
4/3/2025

World_Hillshade



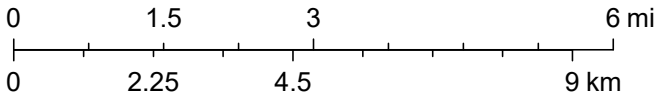
Esri, NASA, NGA, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

Cutbow East CTB (01.01.2025)



4/3/2025, 9:34:22 AM

1:144,448



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APPENDIX E

CARMONA RESOURCES





Environment Testing

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- 13
- 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 7/11/2025 3:23:37 PM Revision 1

JOB DESCRIPTION

Cutbow East CTB (01.01.2025)
Lea County, New Mexico

JOB NUMBER

880-57275-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

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



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

Generated
7/11/2025 3:23:37 PM
Revision 1

Client: Carmona Resources
Project/Site: Cutbow East CTB (01.01.2025)

Laboratory Job ID: 880-57275-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Cutbow East CTB (01.01.2025)

Job ID: 880-57275-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: Cutbow East CTB (01.01.2025)

Job ID: 880-57275-1

Job ID: 880-57275-1

Eurofins Midland

Job Narrative
880-57275-1

REVISION

The report being provided is a revision of the original report sent on 4/28/2025. The report (revision 1) is being revised due to COC missing on final report, revision needed.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 4/24/2025 9:26 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -5.5°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-57275-1), H-2 (0-0.5') (880-57275-2), H-3 (0-0.5') (880-57275-3), H-4 (0-0.5') (880-57275-4), H-5 (0-0.5') (880-57275-5) and H-6 (0-0.5') (880-57275-6).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-108489 and analytical batch 880-108512 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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: The matrix spike duplicate (MSD) recoveries for preparation batch 880-108561 and analytical batch 880-108762 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-108561 and analytical batch 880-108762 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-108561/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-1 (0-0.5') (880-57275-1), H-2 (0-0.5') (880-57275-2), H-3 (0-0.5') (880-57275-3), H-4 (0-0.5') (880-57275-4), H-5 (0-0.5') (880-57275-5), H-6 (0-0.5') (880-57275-6), (880-57275-A-1-D MS) and (880-57275-A-1-E MSD). 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: Cutbow East CTB (01.01.2025)

Job ID: 880-57275-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-57275-1

Date Collected: 04/23/25 00:00

Matrix: Solid

Date Received: 04/24/25 09:26

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		04/24/25 11:00	04/24/25 13:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/24/25 11:00	04/24/25 13:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/24/25 11:00	04/24/25 13:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/24/25 11:00	04/24/25 13:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/24/25 11:00	04/24/25 13:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/24/25 11:00	04/24/25 13:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	04/24/25 11:00	04/24/25 13:34	1
1,4-Difluorobenzene (Surr)	91		70 - 130	04/24/25 11:00	04/24/25 13:34	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			04/24/25 13:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			04/26/25 12:25	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	<50.1	U	50.1		mg/Kg		04/24/25 11:13	04/26/25 12:25	1
Diesel Range Organics (Over C10-C28)	<50.1	U F1	50.1		mg/Kg		04/24/25 11:13	04/26/25 12:25	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/24/25 11:13	04/26/25 12:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	196	S1+	70 - 130	04/24/25 11:13	04/26/25 12:25	1
o-Terphenyl (Surr)	193	S1+	70 - 130	04/24/25 11:13	04/26/25 12:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		10.0		mg/Kg			04/24/25 17:20	1

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-57275-2

Date Collected: 04/23/25 00:00

Matrix: Solid

Date Received: 04/24/25 09:26

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		04/24/25 11:00	04/24/25 13:55	1
Toluene	0.00826		0.00200		mg/Kg		04/24/25 11:00	04/24/25 13:55	1
Ethylbenzene	0.00552		0.00200		mg/Kg		04/24/25 11:00	04/24/25 13:55	1
m-Xylene & p-Xylene	0.0114		0.00401		mg/Kg		04/24/25 11:00	04/24/25 13:55	1
o-Xylene	0.00363		0.00200		mg/Kg		04/24/25 11:00	04/24/25 13:55	1
Xylenes, Total	0.0150		0.00401		mg/Kg		04/24/25 11:00	04/24/25 13:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	04/24/25 11:00	04/24/25 13:55	1
1,4-Difluorobenzene (Surr)	96		70 - 130	04/24/25 11:00	04/24/25 13:55	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cutbow East CTB (01.01.2025)

Job ID: 880-57275-1
SDG: Lea County, New Mexico

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-57275-2

Date Collected: 04/23/25 00:00

Matrix: Solid

Date Received: 04/24/25 09:26

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0288		0.00401		mg/Kg			04/24/25 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	78.0		50.0		mg/Kg			04/26/25 13:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/24/25 11:13	04/26/25 13:21	1
Diesel Range Organics (Over C10-C28)	78.0		50.0		mg/Kg		04/24/25 11:13	04/26/25 13:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/24/25 11:13	04/26/25 13:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	206	S1+	70 - 130				04/24/25 11:13	04/26/25 13:21	1
o-Terphenyl (Surr)	201	S1+	70 - 130				04/24/25 11:13	04/26/25 13:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	181		9.98		mg/Kg			04/24/25 17:26	1

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-57275-3

Date Collected: 04/23/25 00:00

Matrix: Solid

Date Received: 04/24/25 09:26

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		04/24/25 09:26	04/24/25 18:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/24/25 09:26	04/24/25 18:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/24/25 09:26	04/24/25 18:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/24/25 09:26	04/24/25 18:40	1
o-Xylene	0.00520		0.00200		mg/Kg		04/24/25 09:26	04/24/25 18:40	1
Xylenes, Total	0.00520		0.00399		mg/Kg		04/24/25 09:26	04/24/25 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				04/24/25 09:26	04/24/25 18:40	1
1,4-Difluorobenzene (Surr)	101		70 - 130				04/24/25 09:26	04/24/25 18:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00520		0.00399		mg/Kg			04/24/25 18:40	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			04/26/25 13:37	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		04/24/25 11:13	04/26/25 13:37	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/24/25 11:13	04/26/25 13:37	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cutbow East CTB (01.01.2025)

Job ID: 880-57275-1
SDG: Lea County, New Mexico

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-57275-3

Date Collected: 04/23/25 00:00

Matrix: Solid

Date Received: 04/24/25 09:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/24/25 11:13	04/26/25 13:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	209	S1+	70 - 130				04/24/25 11:13	04/26/25 13:37	1
o-Terphenyl (Surr)	200	S1+	70 - 130				04/24/25 11:13	04/26/25 13:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		10.1		mg/Kg			04/24/25 17:32	1

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-57275-4

Date Collected: 04/23/25 00:00

Matrix: Solid

Date Received: 04/24/25 09:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/24/25 09:26	04/24/25 19:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/24/25 09:26	04/24/25 19:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/24/25 09:26	04/24/25 19:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/24/25 09:26	04/24/25 19:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/24/25 09:26	04/24/25 19:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/24/25 09:26	04/24/25 19:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				04/24/25 09:26	04/24/25 19:01	1
1,4-Difluorobenzene (Surr)	101		70 - 130				04/24/25 09:26	04/24/25 19:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/24/25 19:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/26/25 13:54	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	<49.8	U	49.8		mg/Kg		04/24/25 11:13	04/26/25 13:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/24/25 11:13	04/26/25 13:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/24/25 11:13	04/26/25 13:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	199	S1+	70 - 130				04/24/25 11:13	04/26/25 13:54	1
o-Terphenyl (Surr)	187	S1+	70 - 130				04/24/25 11:13	04/26/25 13:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	167		9.96		mg/Kg			04/24/25 17:49	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cutbow East CTB (01.01.2025)

Job ID: 880-57275-1
SDG: Lea County, New Mexico

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-57275-5

Date Collected: 04/23/25 00:00

Matrix: Solid

Date Received: 04/24/25 09:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/24/25 09:26	04/24/25 19:21	1
Toluene	0.00199		0.00199		mg/Kg		04/24/25 09:26	04/24/25 19:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/24/25 09:26	04/24/25 19:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/24/25 09:26	04/24/25 19:21	1
o-Xylene	0.00268		0.00199		mg/Kg		04/24/25 09:26	04/24/25 19:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/24/25 09:26	04/24/25 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	04/24/25 09:26	04/24/25 19:21	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/24/25 09:26	04/24/25 19:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00467		0.00398		mg/Kg			04/24/25 19:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			04/26/25 14:10	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	<50.2	U	50.2		mg/Kg		04/24/25 11:13	04/26/25 14:10	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		04/24/25 11:13	04/26/25 14:10	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/24/25 11:13	04/26/25 14:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	209	S1+	70 - 130	04/24/25 11:13	04/26/25 14:10	1
o-Terphenyl (Surr)	196	S1+	70 - 130	04/24/25 11:13	04/26/25 14:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.4		9.90		mg/Kg			04/24/25 17:54	1

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-57275-6

Date Collected: 04/23/25 00:00

Matrix: Solid

Date Received: 04/24/25 09:26

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		04/24/25 09:26	04/24/25 19:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/24/25 09:26	04/24/25 19:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/24/25 09:26	04/24/25 19:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/24/25 09:26	04/24/25 19:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/24/25 09:26	04/24/25 19:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/24/25 09:26	04/24/25 19:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	04/24/25 09:26	04/24/25 19:42	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/24/25 09:26	04/24/25 19:42	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cutbow East CTB (01.01.2025)

Job ID: 880-57275-1
SDG: Lea County, New Mexico

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-57275-6

Date Collected: 04/23/25 00:00

Matrix: Solid

Date Received: 04/24/25 09:26

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/24/25 19:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	83.4		50.1		mg/Kg			04/26/25 14:28	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	<50.1	U	50.1		mg/Kg		04/24/25 11:13	04/26/25 14:28	1
Diesel Range Organics (Over C10-C28)	83.4		50.1		mg/Kg		04/24/25 11:13	04/26/25 14:28	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/24/25 11:13	04/26/25 14:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	197	S1+	70 - 130				04/24/25 11:13	04/26/25 14:28	1
o-Terphenyl (Surr)	193	S1+	70 - 130				04/24/25 11:13	04/26/25 14:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		9.98		mg/Kg			04/24/25 18:11	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Cutbow East CTB (01.01.2025)

Job ID: 880-57275-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-57275-1	H-1 (0-0.5')	108	91
880-57275-2	H-2 (0-0.5')	106	96
880-57275-3	H-3 (0-0.5')	102	101
880-57275-4	H-4 (0-0.5')	103	101
880-57275-5	H-5 (0-0.5')	101	101
880-57275-6	H-6 (0-0.5')	102	101
890-8028-A-21-A MS	Matrix Spike	112	94
890-8028-A-21-B MSD	Matrix Spike Duplicate	108	100
890-8028-A-31-F MS	Matrix Spike	101	101
890-8028-A-31-G MSD	Matrix Spike Duplicate	103	99
LCS 880-108489/1-A	Lab Control Sample	106	101
LCS 880-108523/1-A	Lab Control Sample	105	104
LCSD 880-108489/2-A	Lab Control Sample Dup	109	99
LCSD 880-108523/2-A	Lab Control Sample Dup	106	99
MB 880-108489/5-A	Method Blank	100	89
MB 880-108523/5-A	Method Blank	99	95
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)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-57275-1	H-1 (0-0.5')	196 S1+	193 S1+
880-57275-1 MS	H-1 (0-0.5')	207 S1+	186 S1+
880-57275-1 MSD	H-1 (0-0.5')	182 S1+	188 S1+
880-57275-2	H-2 (0-0.5')	206 S1+	201 S1+
880-57275-3	H-3 (0-0.5')	209 S1+	200 S1+
880-57275-4	H-4 (0-0.5')	199 S1+	187 S1+
880-57275-5	H-5 (0-0.5')	209 S1+	196 S1+
880-57275-6	H-6 (0-0.5')	197 S1+	193 S1+
LCS 880-108561/2-A	Lab Control Sample	117	124
LCSD 880-108561/3-A	Lab Control Sample Dup	146 S1+	128
MB 880-108561/1-A	Method Blank	186 S1+	181 S1+
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

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QC Sample Results

Client: Carmona Resources
Project/Site: Cutbow East CTB (01.01.2025)

Job ID: 880-57275-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-108489/5-A

Matrix: Solid

Analysis Batch: 108512

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108489

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/23/25 16:52	04/24/25 11:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/23/25 16:52	04/24/25 11:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/23/25 16:52	04/24/25 11:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/23/25 16:52	04/24/25 11:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/23/25 16:52	04/24/25 11:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/23/25 16:52	04/24/25 11:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	04/23/25 16:52	04/24/25 11:26	1
1,4-Difluorobenzene (Surr)	89		70 - 130	04/23/25 16:52	04/24/25 11:26	1

Lab Sample ID: LCS 880-108489/1-A

Matrix: Solid

Analysis Batch: 108512

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108489

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1019		mg/Kg		102	70 - 130
Toluene	0.100	0.09375		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.1028		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2116		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1073		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-108489/2-A

Matrix: Solid

Analysis Batch: 108512

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 108489

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09998		mg/Kg		100	70 - 130	2	35
Toluene	0.100	0.09329		mg/Kg		93	70 - 130	0	35
Ethylbenzene	0.100	0.1031		mg/Kg		103	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2126		mg/Kg		106	70 - 130	0	35
o-Xylene	0.100	0.1083		mg/Kg		108	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-8028-A-21-A MS

Matrix: Solid

Analysis Batch: 108512

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 108489

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1 F2	0.100	0.04889	F1	mg/Kg		49	70 - 130
Toluene	<0.00200	U F1 F2	0.100	0.02683	F1	mg/Kg		27	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cutbow East CTB (01.01.2025)

Job ID: 880-57275-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-8028-A-21-A MS

Matrix: Solid

Analysis Batch: 108512

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 108489

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F1 F2	0.100	0.01438	F1	mg/Kg		14	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.200	0.02547	F1	mg/Kg		13	70 - 130
o-Xylene	<0.00200	U F1 F2	0.100	0.01523	F1	mg/Kg		15	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-8028-A-21-B MSD

Matrix: Solid

Analysis Batch: 108512

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 108489

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U F1 F2	0.100	0.09062	F2	mg/Kg		91	70 - 130	60	35
Toluene	<0.00200	U F1 F2	0.100	0.07961	F2	mg/Kg		80	70 - 130	99	35
Ethylbenzene	<0.00200	U F1 F2	0.100	0.08479	F2	mg/Kg		85	70 - 130	142	35
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.200	0.1719	F2	mg/Kg		86	70 - 130	148	35
o-Xylene	<0.00200	U F1 F2	0.100	0.08896	F2	mg/Kg		89	70 - 130	142	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-108523/5-A

Matrix: Solid

Analysis Batch: 108514

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108523

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/24/25 09:26	04/24/25 11:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/24/25 09:26	04/24/25 11:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/24/25 09:26	04/24/25 11:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/24/25 09:26	04/24/25 11:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/24/25 09:26	04/24/25 11:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/24/25 09:26	04/24/25 11:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	04/24/25 09:26	04/24/25 11:37	1
1,4-Difluorobenzene (Surr)	95		70 - 130	04/24/25 09:26	04/24/25 11:37	1

Lab Sample ID: LCS 880-108523/1-A

Matrix: Solid

Analysis Batch: 108514

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108523

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09840		mg/Kg		98	70 - 130
Toluene	0.100	0.09404		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09928		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2023		mg/Kg		101	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cutbow East CTB (01.01.2025)

Job ID: 880-57275-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-108523/1-A

Matrix: Solid

Analysis Batch: 108514

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108523

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1018		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-108523/2-A

Matrix: Solid

Analysis Batch: 108514

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 108523

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09197		mg/Kg		92	70 - 130	7	35
Toluene	0.100	0.08779		mg/Kg		88	70 - 130	7	35
Ethylbenzene	0.100	0.09206		mg/Kg		92	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1866		mg/Kg		93	70 - 130	8	35
o-Xylene	0.100	0.09397		mg/Kg		94	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-8028-A-31-F MS

Matrix: Solid

Analysis Batch: 108514

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 108523

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09708		mg/Kg		97	70 - 130
Toluene	<0.00200	U	0.100	0.09116		mg/Kg		91	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09548		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1937		mg/Kg		97	70 - 130
o-Xylene	<0.00200	U	0.100	0.09701		mg/Kg		97	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-8028-A-31-G MSD

Matrix: Solid

Analysis Batch: 108514

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 108523

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.09419		mg/Kg		94	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.08795		mg/Kg		88	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.09155		mg/Kg		92	70 - 130	4	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1844		mg/Kg		92	70 - 130	5	35
o-Xylene	<0.00200	U	0.100	0.09305		mg/Kg		93	70 - 130	4	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Cutbow East CTB (01.01.2025)

Job ID: 880-57275-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-8028-A-31-G MSD

Matrix: Solid

Analysis Batch: 108514

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 108523

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

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

Lab Sample ID: MB 880-108561/1-A

Matrix: Solid

Analysis Batch: 108762

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108561

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/24/25 11:13	04/26/25 05:22	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/24/25 11:13	04/26/25 05:22	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/24/25 11:13	04/26/25 05:22	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane (Surr)	186	S1+	70 - 130				04/24/25 11:13	04/26/25 05:22	1	
o-Terphenyl (Surr)	181	S1+	70 - 130				04/24/25 11:13	04/26/25 05:22	1	

Lab Sample ID: LCS 880-108561/2-A

Matrix: Solid

Analysis Batch: 108762

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108561

Analyte	Spike	LCS	LCS							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1128		mg/Kg		113		70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1228		mg/Kg		123		70 - 130		
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane (Surr)	117		70 - 130							
o-Terphenyl (Surr)	124		70 - 130							

Lab Sample ID: LCSD 880-108561/3-A

Matrix: Solid

Analysis Batch: 108762

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 108561

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1207		mg/Kg		121		70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1211		mg/Kg		121		70 - 130	1	20
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane (Surr)	146	S1+	70 - 130							
o-Terphenyl (Surr)	128		70 - 130							

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QC Sample Results

Client: Carmona Resources
Project/Site: Cutbow East CTB (01.01.2025)

Job ID: 880-57275-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-57275-1 MS

Matrix: Solid

Analysis Batch: 108762

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

Prep Type: Total/NA

Prep Batch: 108561

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	1170		mg/Kg		116	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U F1	1010	1259		mg/Kg		122	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	207	S1+	70 - 130						
o-Terphenyl (Surr)	186	S1+	70 - 130						

Lab Sample ID: 880-57275-1 MSD

Matrix: Solid

Analysis Batch: 108762

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

Prep Type: Total/NA

Prep Batch: 108561

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	1193		mg/Kg		119	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.1	U F1	1010	1353	F1	mg/Kg		131	70 - 130	7	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	182	S1+	70 - 130								
o-Terphenyl (Surr)	188	S1+	70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-108555/1-A

Matrix: Solid

Analysis Batch: 108575

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			04/24/25 15:56	1

Lab Sample ID: LCS 880-108555/2-A

Matrix: Solid

Analysis Batch: 108575

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.9		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-108555/3-A

Matrix: Solid

Analysis Batch: 108575

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	243.2		mg/Kg		97	90 - 110	1	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Cutbow East CTB (01.01.2025)

Job ID: 880-57275-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-57275-3 MS										Client Sample ID: H-3 (0-0.5')				
Matrix: Solid										Prep Type: Soluble				
Analysis Batch: 108575														
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits					
Chloride	103		252	368.6		mg/Kg		105	90 - 110					

Lab Sample ID: 880-57275-3 MSD										Client Sample ID: H-3 (0-0.5')				
Matrix: Solid										Prep Type: Soluble				
Analysis Batch: 108575														
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit			
Chloride	103		252	368.8		mg/Kg		106	90 - 110	0	20			

QC Association Summary

Client: Carmona Resources
Project/Site: Cutbow East CTB (01.01.2025)

Job ID: 880-57275-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 108489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57275-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-57275-2	H-2 (0-0.5')	Total/NA	Solid	5035	
MB 880-108489/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-108489/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-108489/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8028-A-21-A MS	Matrix Spike	Total/NA	Solid	5035	
890-8028-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 108512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57275-1	H-1 (0-0.5')	Total/NA	Solid	8021B	108489
880-57275-2	H-2 (0-0.5')	Total/NA	Solid	8021B	108489
MB 880-108489/5-A	Method Blank	Total/NA	Solid	8021B	108489
LCS 880-108489/1-A	Lab Control Sample	Total/NA	Solid	8021B	108489
LCSD 880-108489/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	108489
890-8028-A-21-A MS	Matrix Spike	Total/NA	Solid	8021B	108489
890-8028-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	108489

Analysis Batch: 108514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57275-3	H-3 (0-0.5')	Total/NA	Solid	8021B	108523
880-57275-4	H-4 (0-0.5')	Total/NA	Solid	8021B	108523
880-57275-5	H-5 (0-0.5')	Total/NA	Solid	8021B	108523
880-57275-6	H-6 (0-0.5')	Total/NA	Solid	8021B	108523
MB 880-108523/5-A	Method Blank	Total/NA	Solid	8021B	108523
LCS 880-108523/1-A	Lab Control Sample	Total/NA	Solid	8021B	108523
LCSD 880-108523/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	108523
890-8028-A-31-F MS	Matrix Spike	Total/NA	Solid	8021B	108523
890-8028-A-31-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	108523

Prep Batch: 108523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57275-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-57275-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-57275-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-57275-6	H-6 (0-0.5')	Total/NA	Solid	5035	
MB 880-108523/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-108523/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-108523/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8028-A-31-F MS	Matrix Spike	Total/NA	Solid	5035	
890-8028-A-31-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 108593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57275-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-57275-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-57275-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-57275-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-57275-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-57275-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cutbow East CTB (01.01.2025)

Job ID: 880-57275-1
SDG: Lea County, New Mexico

GC Semi VOA

Prep Batch: 108561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57275-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-57275-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-57275-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-57275-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-57275-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-57275-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-108561/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-108561/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-108561/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-57275-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-57275-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 108762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57275-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	108561
880-57275-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	108561
880-57275-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	108561
880-57275-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	108561
880-57275-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	108561
880-57275-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	108561
MB 880-108561/1-A	Method Blank	Total/NA	Solid	8015B NM	108561
LCS 880-108561/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	108561
LCSD 880-108561/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	108561
880-57275-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015B NM	108561
880-57275-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015B NM	108561

Analysis Batch: 108808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57275-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-57275-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-57275-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-57275-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-57275-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-57275-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 108555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57275-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-57275-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-57275-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-57275-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-57275-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-57275-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-108555/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-108555/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-108555/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-57275-3 MS	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-57275-3 MSD	H-3 (0-0.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Cutbow East CTB (01.01.2025)

Job ID: 880-57275-1
SDG: Lea County, New Mexico

HPLC/IC

Analysis Batch: 108575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57275-1	H-1 (0-0.5')	Soluble	Solid	300.0	108555
880-57275-2	H-2 (0-0.5')	Soluble	Solid	300.0	108555
880-57275-3	H-3 (0-0.5')	Soluble	Solid	300.0	108555
880-57275-4	H-4 (0-0.5')	Soluble	Solid	300.0	108555
880-57275-5	H-5 (0-0.5')	Soluble	Solid	300.0	108555
880-57275-6	H-6 (0-0.5')	Soluble	Solid	300.0	108555
MB 880-108555/1-A	Method Blank	Soluble	Solid	300.0	108555
LCS 880-108555/2-A	Lab Control Sample	Soluble	Solid	300.0	108555
LCSD 880-108555/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	108555
880-57275-3 MS	H-3 (0-0.5')	Soluble	Solid	300.0	108555
880-57275-3 MSD	H-3 (0-0.5')	Soluble	Solid	300.0	108555

Lab Chronicle

Client: Carmona Resources
Project/Site: Cutbow East CTB (01.01.2025)

Job ID: 880-57275-1
SDG: Lea County, New Mexico

Client Sample ID: H-1 (0-0.5')**Lab Sample ID: 880-57275-1****Date Collected: 04/23/25 00:00****Matrix: Solid****Date Received: 04/24/25 09:26**

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	108489	04/24/25 11:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108512	04/24/25 13:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108593	04/24/25 13:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			108808	04/26/25 12:25	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	108561	04/24/25 11:13	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108762	04/26/25 12:25	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	108555	04/24/25 10:53	SMC	EET MID
Soluble	Analysis	300.0		1			108575	04/24/25 17:20	CS	EET MID

Client Sample ID: H-2 (0-0.5')**Lab Sample ID: 880-57275-2****Date Collected: 04/23/25 00:00****Matrix: Solid****Date Received: 04/24/25 09:26**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	108489	04/24/25 11:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108512	04/24/25 13:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108593	04/24/25 13:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			108808	04/26/25 13:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	108561	04/24/25 11:13	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108762	04/26/25 13:21	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	108555	04/24/25 10:53	SMC	EET MID
Soluble	Analysis	300.0		1			108575	04/24/25 17:26	CS	EET MID

Client Sample ID: H-3 (0-0.5')**Lab Sample ID: 880-57275-3****Date Collected: 04/23/25 00:00****Matrix: Solid****Date Received: 04/24/25 09:26**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	108523	04/24/25 09:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108514	04/24/25 18:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108593	04/24/25 18:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			108808	04/26/25 13:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	108561	04/24/25 11:13	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108762	04/26/25 13:37	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	108555	04/24/25 10:53	SMC	EET MID
Soluble	Analysis	300.0		1			108575	04/24/25 17:32	CS	EET MID

Client Sample ID: H-4 (0-0.5')**Lab Sample ID: 880-57275-4****Date Collected: 04/23/25 00:00****Matrix: Solid****Date Received: 04/24/25 09:26**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	108523	04/24/25 09:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108514	04/24/25 19:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108593	04/24/25 19:01	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cutbow East CTB (01.01.2025)

Job ID: 880-57275-1
SDG: Lea County, New Mexico

Client Sample ID: H-4 (0-0.5')**Lab Sample ID: 880-57275-4****Date Collected: 04/23/25 00:00****Matrix: Solid****Date Received: 04/24/25 09:26**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			108808	04/26/25 13:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	108561	04/24/25 11:13	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108762	04/26/25 13:54	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	108555	04/24/25 10:53	SMC	EET MID
Soluble	Analysis	300.0		1			108575	04/24/25 17:49	CS	EET MID

Client Sample ID: H-5 (0-0.5')**Lab Sample ID: 880-57275-5****Date Collected: 04/23/25 00:00****Matrix: Solid****Date Received: 04/24/25 09:26**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	108523	04/24/25 09:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108514	04/24/25 19:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108593	04/24/25 19:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			108808	04/26/25 14:10	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	108561	04/24/25 11:13	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108762	04/26/25 14:10	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	108555	04/24/25 10:53	SMC	EET MID
Soluble	Analysis	300.0		1			108575	04/24/25 17:54	CS	EET MID

Client Sample ID: H-6 (0-0.5')**Lab Sample ID: 880-57275-6****Date Collected: 04/23/25 00:00****Matrix: Solid****Date Received: 04/24/25 09:26**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	108523	04/24/25 09:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108514	04/24/25 19:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108593	04/24/25 19:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			108808	04/26/25 14:28	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	108561	04/24/25 11:13	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108762	04/26/25 14:28	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	108555	04/24/25 10:53	SMC	EET MID
Soluble	Analysis	300.0		1			108575	04/24/25 18:11	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: Cutbow East CTB (01.01.2025)

Job ID: 880-57275-1
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	06-30-25
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: Cutbow East CTB (01.01.2025)

Job ID: 880-57275-1
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

Sample Summary

Client: Carmona Resources
Project/Site: Cutbow East CTB (01.01.2025)

Job ID: 880-57275-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-57275-1	H-1 (0-0.5')	Solid	04/23/25 00:00	04/24/25 09:26
880-57275-2	H-2 (0-0.5')	Solid	04/23/25 00:00	04/24/25 09:26
880-57275-3	H-3 (0-0.5')	Solid	04/23/25 00:00	04/24/25 09:26
880-57275-4	H-4 (0-0.5')	Solid	04/23/25 00:00	04/24/25 09:26
880-57275-5	H-5 (0-0.5')	Solid	04/23/25 00:00	04/24/25 09:26
880-57275-6	H-6 (0-0.5')	Solid	04/23/25 00:00	04/24/25 09:26



Chain of Custody



880-57275 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 & ashton.thielke@coterra.com			

Project Name: Cutbow East CTB (01.01.2025)		Turn Around		Pres. Code	
Project Number: 2694		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			
Project Location: Lea County, New Mexico		Due Date: 48 hr.			
Sampler's Name: GPJ/RP					
PO #:					

SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No	
Received Inlet:		Yes No		Thermometer ID:				Yes No	
Cooler Custody Seals:		Yes No		Correction Factor:				Yes No	
Sample Custody Seals:		Yes No		Temperature Reading:				Yes No	
Total Containers:				Corrected Temperature:				Yes No	

Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont	
H-1 (0-0.5')		4/23/2025				X				G		1	
H-2 (0-0.5')		4/23/2025				X				G		1	
H-3 (0-0.5')		4/23/2025				X				G		1	
H-4 (0-0.5')		4/23/2025				X				G		1	
H-5 (0-0.5')		4/23/2025				X				G		1	
H-6 (0-0.5')		4/23/2025				X				G		1	

ANALYSIS REQUEST												PRESERVATIVE CODES											
TPH 8015M (GRO + DRO + MRO)												None: NO											
BTX 8021B												Cool: Cool											
Chloride 300.0												HCL: HC											
												H2SO4: H2											
												H3PO4: HP											
												NaHSO4: NABIS											
												Na2S2O3: NaSO3											
												Zn Acetate+NaOH: Zn											
												NaOH+Ascorbic Acid: SAPC											

Work Order Comments											
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Rowfields <input type="checkbox"/> RC <input type="checkbox"/> perfund <input type="checkbox"/>											
State of Project: Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>											
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: <input type="checkbox"/>											

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
<i>Ashton Thielke</i>		4/24/25 @ 1:		<i>Laci Luig</i>		4/24/25 @ 2:00	

Comments:

Comments:

7/11/2025 (Rev. 1)

- 1
- 2
- 3
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- 12
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- 14

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-57275-1

SDG Number: Lea County, New Mexico

Login Number: 57275

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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	



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

July 01, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: CUTBOW EAST CTB (01.01.2025)

Enclosed are the results of analyses for samples received by the laboratory on 06/27/25 13:49.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 1 (3.0') (H253902-01)

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

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/30/2025	ND	432	108	400	0.00		

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

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 2 (3.0') (H253902-02)

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/30/2025	ND	432	108	400	0.00		

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

Surrogate: 1-Chlorooctane 97.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 3 (3.0') (H253902-03)

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

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/30/2025	ND	432	108	400	0.00		

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

Surrogate: 1-Chlorooctane 92.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.2 % 40.6-153

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Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 4 (3.0') (H253902-04)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/30/2025	ND	432	108	400	0.00	

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

Surrogate: 1-Chlorooctane 89.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.3 % 40.6-153

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Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 5 (3.0') (H253902-05)

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/30/2025	ND	432	108	400	0.00		

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

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 40.6-153

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Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 6 (3.0') (H253902-06)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/30/2025	ND	432	108	400	0.00		

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

Surrogate: 1-Chlorooctane 96.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.0 % 40.6-153

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Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 7 (3.0') (H253902-07)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/30/2025	ND	432	108	400	0.00		

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

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 8 (3.0') (H253902-08)

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

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2025	ND	213	106	200	5.66	
DRO >C10-C28*	<10.0	10.0	06/28/2025	ND	215	107	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	06/28/2025	ND					

Surrogate: 1-Chlorooctane 99.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.6 % 40.6-153

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Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 9 (3.0') (H253902-09)

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

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2025	ND	213	106	200	5.66	
DRO >C10-C28*	<10.0	10.0	06/28/2025	ND	215	107	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	06/28/2025	ND					

Surrogate: 1-Chlorooctane 98.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 10 (3.0') (H253902-10)

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

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2025	ND	213	106	200	5.66	
DRO >C10-C28*	<10.0	10.0	06/28/2025	ND	215	107	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	06/28/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.8 % 40.6-153

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Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 11 (3.0') (H253902-11)

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

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2025	ND	213	106	200	5.66	
DRO >C10-C28*	<10.0	10.0	06/28/2025	ND	215	107	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	06/28/2025	ND					

Surrogate: 1-Chlorooctane 91.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.5 % 40.6-153

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Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 12 (3.0') (H253902-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2025	ND	1.76	88.2	2.00	7.79		
Toluene*	<0.050	0.050	06/30/2025	ND	1.81	90.7	2.00	8.21		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.77	88.7	2.00	9.63		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.23	87.2	6.00	9.71		
Total BTEX	<0.300	0.300	06/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2025	ND	230	115	200	2.74	
DRO >C10-C28*	<10.0	10.0	06/28/2025	ND	218	109	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/28/2025	ND					

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 40.6-153

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Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 13 (3.0') (H253902-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2025	ND	1.76	88.2	2.00	7.79		
Toluene*	<0.050	0.050	06/30/2025	ND	1.81	90.7	2.00	8.21		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.77	88.7	2.00	9.63		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.23	87.2	6.00	9.71		
Total BTEX	<0.300	0.300	06/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2025	ND	230	115	200	2.74	
DRO >C10-C28*	<10.0	10.0	06/28/2025	ND	218	109	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/28/2025	ND					

Surrogate: 1-Chlorooctane 114 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 40.6-153

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Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 14 (3.0') (H253902-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2025	ND	1.76	88.2	2.00	7.79		
Toluene*	<0.050	0.050	06/30/2025	ND	1.81	90.7	2.00	8.21		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.77	88.7	2.00	9.63		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.23	87.2	6.00	9.71		
Total BTEX	<0.300	0.300	06/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2025	ND	230	115	200	2.74	
DRO >C10-C28*	<10.0	10.0	06/28/2025	ND	218	109	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/28/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.9 % 40.6-153

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Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 15 (3.0') (H253902-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2025	ND	1.76	88.2	2.00	7.79		
Toluene*	<0.050	0.050	06/30/2025	ND	1.81	90.7	2.00	8.21		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.77	88.7	2.00	9.63		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.23	87.2	6.00	9.71		
Total BTEX	<0.300	0.300	06/30/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2025	ND	230	115	200	2.74	
DRO >C10-C28*	<10.0	10.0	06/28/2025	ND	218	109	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/28/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.5 % 40.6-153

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Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 16 (3.0') (H253902-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2025	ND	1.76	88.2	2.00	7.79		
Toluene*	<0.050	0.050	06/30/2025	ND	1.81	90.7	2.00	8.21		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.77	88.7	2.00	9.63		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.23	87.2	6.00	9.71		
Total BTEX	<0.300	0.300	06/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2025	ND	230	115	200	2.74	
DRO >C10-C28*	<10.0	10.0	06/28/2025	ND	218	109	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/28/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 17 (3.0') (H253902-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2025	ND	1.76	88.2	2.00	7.79		
Toluene*	<0.050	0.050	06/30/2025	ND	1.81	90.7	2.00	8.21		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.77	88.7	2.00	9.63		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.23	87.2	6.00	9.71		
Total BTEX	<0.300	0.300	06/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2025	ND	230	115	200	2.74	
DRO >C10-C28*	<10.0	10.0	06/28/2025	ND	218	109	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/28/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 18 (3.0') (H253902-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2025	ND	1.76	88.2	2.00	7.79		
Toluene*	<0.050	0.050	06/30/2025	ND	1.81	90.7	2.00	8.21		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.77	88.7	2.00	9.63		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.23	87.2	6.00	9.71		
Total BTEX	<0.300	0.300	06/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2025	ND	230	115	200	2.74	
DRO >C10-C28*	<10.0	10.0	06/28/2025	ND	218	109	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/28/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 19 (3.0') (H253902-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2025	ND	1.76	88.2	2.00	7.79		
Toluene*	<0.050	0.050	06/30/2025	ND	1.81	90.7	2.00	8.21		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.77	88.7	2.00	9.63		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.23	87.2	6.00	9.71		
Total BTEX	<0.300	0.300	06/30/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2025	ND	230	115	200	2.74	
DRO >C10-C28*	<10.0	10.0	06/28/2025	ND	218	109	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/28/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 20 (3.0') (H253902-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2025	ND	1.76	88.2	2.00	7.79		
Toluene*	<0.050	0.050	06/30/2025	ND	1.81	90.7	2.00	8.21		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.77	88.7	2.00	9.63		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.23	87.2	6.00	9.71		
Total BTEX	<0.300	0.300	06/30/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2025	ND	230	115	200	2.74	
DRO >C10-C28*	<10.0	10.0	06/28/2025	ND	218	109	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/28/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 1 (3.0') (H253902-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2025	ND	1.76	88.2	2.00	7.79		
Toluene*	<0.050	0.050	06/30/2025	ND	1.81	90.7	2.00	8.21		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.77	88.7	2.00	9.63		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.23	87.2	6.00	9.71		
Total BTEX	<0.300	0.300	06/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2025	ND	230	115	200	2.74	
DRO >C10-C28*	<10.0	10.0	06/28/2025	ND	218	109	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/28/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 2 (3.0') (H253902-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2025	ND	1.76	88.2	2.00	7.79		
Toluene*	<0.050	0.050	06/30/2025	ND	1.81	90.7	2.00	8.21		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.77	88.7	2.00	9.63		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.23	87.2	6.00	9.71		
Total BTEX	<0.300	0.300	06/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 71.5-134

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2025	ND	230	115	200	2.74	
DRO >C10-C28*	<10.0	10.0	06/28/2025	ND	218	109	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/28/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 3 (3.0') (H253902-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2025	ND	1.76	88.2	2.00	7.79		
Toluene*	<0.050	0.050	06/30/2025	ND	1.81	90.7	2.00	8.21		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.77	88.7	2.00	9.63		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.23	87.2	6.00	9.71		
Total BTEX	<0.300	0.300	06/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2025	ND	230	115	200	2.74	
DRO >C10-C28*	<10.0	10.0	06/28/2025	ND	218	109	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/28/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

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Analytical Results For:

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

Received: 06/27/2025
 Reported: 07/01/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 4 (3.0') (H253902-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2025	ND	1.76	88.2	2.00	7.79		
Toluene*	<0.050	0.050	06/30/2025	ND	1.81	90.7	2.00	8.21		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.77	88.7	2.00	9.63		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.23	87.2	6.00	9.71		
Total BTEX	<0.300	0.300	06/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2025	ND	230	115	200	2.74	
DRO >C10-C28*	<10.0	10.0	06/28/2025	ND	218	109	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	06/28/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No.:

725390

Page 27 of 29

Page 1 of 3

Work Order Comments

Program: UST/PST ☐ RRP ☐ brownfields ☐ RRC ☐ Impound ☐

State of Project:

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

Deliverables: EDD ☐ ADAPT ☐ Other:

Turn Around						ANALYSIS REQUEST										Preservative Codes	
Project Name:	Cutbow East CTB (01.01.2025)	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Press. Code											None: NO	DI Water: H ₂ O		
Project Location	Lea County, New Mexico	Due Date:	72 hr.											Cool: Cool	MeOH: Me		
Sampler's Name:	JDC													HCL: HC	HNO ₃ : HN		
PO #:														H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes No	Thermometer ID:	Wet Ice:	Yes No									H ₃ PO ₄ : HP		
Received Inact:	Yes No	Correction Factor:	Yes No	Temperature Reading:	Corrected Temperature:	#100									NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes No	N/A	N/A	4.12	4.42	BTEX 8021B										Na ₂ S ₂ O ₃ : NASO ₃	
Sample Custody Seals:	Yes No	N/A	N/A	4.42	4.42	TPH 8015M (GRO + DRO + MRO)										Zn Acetate+NaOH: Zn	
Total Containers:						Chloride 4500										NaOH+Ascorbic Acid: SAPC	
Parameters												Hold					
Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont											Sample Comments
CS-1 (3.0')	6/27/2025		X		C	1	X	X	X						1 g m7		
CS-2 (3.0')	6/27/2025		X		C	1	X	X	X						5 g m8		
CS-3 (3.0')	6/27/2025		X		C	1	X	X	X						5 g m8		
CS-4 (3.0')	6/27/2025		X		C	1	X	X	X						5 g m8		
CS-5 (3.0')	6/27/2025		X		C	1	X	X	X						5 g m8		
CS-6 (3.0')	6/27/2025		X		C	1	X	X	X						5 g m8		
CS-7 (3.0')	6/27/2025		X		C	1	X	X	X						5 g m8		
CS-8 (3.0')	6/27/2025		X		C	1	X	X	X						5 g m8		
CS-9 (3.0')	6/27/2025		X		C	1	X	X	X						5 g m8		
CS-10 (3.0')	6/27/2025		X		C	1	X	X	X						5 g m8		

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

Chain of Custody

Work Order No. 1953902

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

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Iperfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Cutbow East CTB (01.01.2025)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	P.s. Code	ANALYSIS REQUEST												Preservative Codes					
Project Number:	2694																None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC					
Project Location:	Lea County, New Mexico	Due Date:	72 hr.																			
Sampler's Name:	JDC																					
PO #:																						
SAMPLE RECEIPT				Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters														
Received In tact:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	#140		BTEX 8021B														
Cooler Custody Seals:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	+0.3		TPH 8015M (GRO + DRO + MRO)														
Sample Custody Seals:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	4.1		Chloride 4500														
Total Containers:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	4.4																

Sample Identification	Date	Time	Soil	Water	Grab/	# of	TPH 8										Sample Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>		<i>[Signature]</i>	6/27/2025

Chain of Custody

Work Order No:

11253902

Page 3 of 3

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 Mainfield St Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com & ashton.thielke@coterra.com

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

Project Name:		Cutbow East CTB (01.01.2025)		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes						
Project Number:		2694		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush															None: NO DI Water: H ₂ O						
Project Location		Lea County, New Mexico		Due Date:		72 hr.														Cool: Cool MeOH: Me					
Sampler's Name:		JDC																		HCL: HC HNO ₃ : HN					
PO #:																				H ₂ SO ₄ : H ₂ NaOH: Na					
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														H ₃ PO ₄ : HP			
Received In tact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:				#146														NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Correction Factor:				+0.3														Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Temperature Reading:				0.1														Zn Acetate+NaOH: Zn			
Total Containers:				Corrected Temperature:				0.4														NaOH+Ascorbic Acid: SAPC			
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont		Parameters											
SW-1 (3.0')		6/27/2025				X				C		1		BTX 8021B											
SW-2 (3.0')		6/27/2025				X				C		1		TPH 8015M (GRO + DRO + MRO)											
SW-3 (3.0')		6/27/2025				X				C		1		Chloride 4500											
SW-4 (3.0')		6/27/2025				X				C		1													

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time



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

July 03, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: CUTBOW EAST CTB (01.01.2025)

Enclosed are the results of analyses for samples received by the laboratory on 07/01/25 15:23.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/01/2025
 Reported: 07/03/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 21 (3.0') (H253973-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2025	ND	1.95	97.3	2.00	8.38	
Toluene*	<0.050	0.050	07/02/2025	ND	2.08	104	2.00	5.87	
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	1.92	95.8	2.00	4.39	
Total Xylenes*	<0.150	0.150	07/02/2025	ND	5.75	95.8	6.00	4.37	
Total BTEX	<0.300	0.300	07/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/02/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2025	ND	208	104	200	1.83	
DRO >C10-C28*	<10.0	10.0	07/02/2025	ND	237	118	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	07/02/2025	ND					

Surrogate: 1-Chlorooctane 96.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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



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Analytical Results For:

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

Received: 07/01/2025
 Reported: 07/03/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 22 (3.0') (H253973-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/02/2025	ND	1.95	97.3	2.00	8.38		
Toluene*	<0.050	0.050	07/02/2025	ND	2.08	104	2.00	5.87		
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	1.92	95.8	2.00	4.39		
Total Xylenes*	<0.150	0.150	07/02/2025	ND	5.75	95.8	6.00	4.37		
Total BTEX	<0.300	0.300	07/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/02/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2025	ND	208	104	200	1.83	
DRO >C10-C28*	<10.0	10.0	07/02/2025	ND	237	118	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	07/02/2025	ND					

Surrogate: 1-Chlorooctane 86.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.3 % 40.6-153

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



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Analytical Results For:

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

Received: 07/01/2025
 Reported: 07/03/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 23 (3.0') (H253973-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/02/2025	ND	1.95	97.3	2.00	8.38		
Toluene*	<0.050	0.050	07/02/2025	ND	2.08	104	2.00	5.87		
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	1.92	95.8	2.00	4.39		
Total Xylenes*	<0.150	0.150	07/02/2025	ND	5.75	95.8	6.00	4.37		
Total BTEX	<0.300	0.300	07/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/02/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2025	ND	208	104	200	1.83	
DRO >C10-C28*	<10.0	10.0	07/02/2025	ND	237	118	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	07/02/2025	ND					

Surrogate: 1-Chlorooctane 76.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.3 % 40.6-153

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



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

Analytical Results For:

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

Received: 07/01/2025
 Reported: 07/03/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 24 (3.0') (H253973-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/02/2025	ND	1.95	97.3	2.00	8.38		
Toluene*	<0.050	0.050	07/02/2025	ND	2.08	104	2.00	5.87		
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	1.92	95.8	2.00	4.39		
Total Xylenes*	<0.150	0.150	07/02/2025	ND	5.75	95.8	6.00	4.37		
Total BTEX	<0.300	0.300	07/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/02/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2025	ND	208	104	200	1.83	
DRO >C10-C28*	<10.0	10.0	07/02/2025	ND	237	118	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	07/02/2025	ND					

Surrogate: 1-Chlorooctane 89.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.7 % 40.6-153

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



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Analytical Results For:

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

Received: 07/01/2025
 Reported: 07/03/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 25 (3.0') (H253973-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/02/2025	ND	1.95	97.3	2.00	8.38		
Toluene*	<0.050	0.050	07/02/2025	ND	2.08	104	2.00	5.87		
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	1.92	95.8	2.00	4.39		
Total Xylenes*	<0.150	0.150	07/02/2025	ND	5.75	95.8	6.00	4.37		
Total BTEX	<0.300	0.300	07/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/02/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2025	ND	208	104	200	1.83	
DRO >C10-C28*	<10.0	10.0	07/02/2025	ND	237	118	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	07/02/2025	ND					

Surrogate: 1-Chlorooctane 72.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.9 % 40.6-153

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



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Analytical Results For:

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

Received: 07/01/2025
 Reported: 07/03/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 26 (1.0') (H253973-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/02/2025	ND	1.95	97.3	2.00	8.38		
Toluene*	<0.050	0.050	07/02/2025	ND	2.08	104	2.00	5.87		
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	1.92	95.8	2.00	4.39		
Total Xylenes*	<0.150	0.150	07/02/2025	ND	5.75	95.8	6.00	4.37		
Total BTEX	<0.300	0.300	07/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/02/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2025	ND	208	104	200	1.83	
DRO >C10-C28*	<10.0	10.0	07/02/2025	ND	237	118	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	07/02/2025	ND					

Surrogate: 1-Chlorooctane 91.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.2 % 40.6-153

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



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Analytical Results For:

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

Received: 07/01/2025
 Reported: 07/03/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 27 (1.0') (H253973-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/02/2025	ND	1.95	97.3	2.00	8.38		
Toluene*	<0.050	0.050	07/02/2025	ND	2.08	104	2.00	5.87		
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	1.92	95.8	2.00	4.39		
Total Xylenes*	<0.150	0.150	07/02/2025	ND	5.75	95.8	6.00	4.37		
Total BTEX	<0.300	0.300	07/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/02/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2025	ND	208	104	200	1.83	
DRO >C10-C28*	<10.0	10.0	07/02/2025	ND	237	118	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	07/02/2025	ND					

Surrogate: 1-Chlorooctane 92.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.4 % 40.6-153

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



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Analytical Results For:

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

Received: 07/01/2025
 Reported: 07/03/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 28 (1.0') (H253973-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2025	ND	1.95	97.3	2.00	8.38	
Toluene*	<0.050	0.050	07/02/2025	ND	2.08	104	2.00	5.87	
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	1.92	95.8	2.00	4.39	
Total Xylenes*	<0.150	0.150	07/02/2025	ND	5.75	95.8	6.00	4.37	
Total BTEX	<0.300	0.300	07/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/02/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2025	ND	208	104	200	1.83	
DRO >C10-C28*	<10.0	10.0	07/02/2025	ND	237	118	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	07/02/2025	ND					

Surrogate: 1-Chlorooctane 77.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.8 % 40.6-153

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



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

Analytical Results For:

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

Received: 07/01/2025
 Reported: 07/03/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 29 (1.0') (H253973-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2025	ND	1.95	97.3	2.00	8.38	
Toluene*	<0.050	0.050	07/02/2025	ND	2.08	104	2.00	5.87	
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	1.92	95.8	2.00	4.39	
Total Xylenes*	<0.150	0.150	07/02/2025	ND	5.75	95.8	6.00	4.37	
Total BTEX	<0.300	0.300	07/02/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/02/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2025	ND	208	104	200	1.83	
DRO >C10-C28*	<10.0	10.0	07/02/2025	ND	237	118	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	07/02/2025	ND					

Surrogate: 1-Chlorooctane 91.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.7 % 40.6-153

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



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Analytical Results For:

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

Received: 07/01/2025
 Reported: 07/03/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 30 (1.0') (H253973-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/02/2025	ND	1.95	97.3	2.00	8.38		
Toluene*	<0.050	0.050	07/02/2025	ND	2.08	104	2.00	5.87		
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	1.92	95.8	2.00	4.39		
Total Xylenes*	<0.150	0.150	07/02/2025	ND	5.75	95.8	6.00	4.37		
Total BTEX	<0.300	0.300	07/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/02/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2025	ND	209	105	200	2.94	
DRO >C10-C28*	<10.0	10.0	07/02/2025	ND	205	102	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	07/02/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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



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

Analytical Results For:

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

Received: 07/01/2025
 Reported: 07/03/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 31 (1.0') (H253973-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/02/2025	ND	1.95	97.3	2.00	8.38		
Toluene*	<0.050	0.050	07/02/2025	ND	2.08	104	2.00	5.87		
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	1.92	95.8	2.00	4.39		
Total Xylenes*	<0.150	0.150	07/02/2025	ND	5.75	95.8	6.00	4.37		
Total BTEX	<0.300	0.300	07/02/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/02/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2025	ND	209	105	200	2.94	
DRO >C10-C28*	<10.0	10.0	07/02/2025	ND	205	102	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	07/02/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

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



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

Analytical Results For:

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

Received: 07/01/2025
 Reported: 07/03/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 32 (1.0') (H253973-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/02/2025	ND	1.95	97.3	2.00	8.38		
Toluene*	<0.050	0.050	07/02/2025	ND	2.08	104	2.00	5.87		
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	1.92	95.8	2.00	4.39		
Total Xylenes*	<0.150	0.150	07/02/2025	ND	5.75	95.8	6.00	4.37		
Total BTEX	<0.300	0.300	07/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/02/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2025	ND	209	105	200	2.94	
DRO >C10-C28*	<10.0	10.0	07/02/2025	ND	205	102	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	07/02/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

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Analytical Results For:

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

Received: 07/01/2025
 Reported: 07/03/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 33 (1.0') (H253973-13)

BTEx 8021B		mg/ kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/02/2025	ND	1.99	99.4	2.00	9.92		
Toluene*	<0.050	0.050	07/02/2025	ND	1.77	88.7	2.00	5.26		
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	1.77	88.6	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/02/2025	ND	5.59	93.2	6.00	4.04		
Total BTEX	<0.300	0.300	07/02/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/02/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2025	ND	209	105	200	2.94	
DRO >C10-C28*	<10.0	10.0	07/02/2025	ND	205	102	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	07/02/2025	ND					

Surrogate: 1-Chlorooctane 90.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.0 % 40.6-153

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



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

Analytical Results For:

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

Received: 07/01/2025
 Reported: 07/03/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 34 (1.0') (H253973-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/02/2025	ND	1.99	99.4	2.00	9.92		
Toluene*	<0.050	0.050	07/02/2025	ND	1.77	88.7	2.00	5.26		
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	1.77	88.6	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/02/2025	ND	5.59	93.2	6.00	4.04		
Total BTEX	<0.300	0.300	07/02/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/02/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2025	ND	209	105	200	2.94	
DRO >C10-C28*	<10.0	10.0	07/02/2025	ND	205	102	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	07/02/2025	ND					

Surrogate: 1-Chlorooctane 90.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.4 % 40.6-153

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



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Analytical Results For:

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

Received: 07/01/2025
 Reported: 07/03/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 35 (1.0') (H253973-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/02/2025	ND	1.99	99.4	2.00	9.92		
Toluene*	<0.050	0.050	07/02/2025	ND	1.77	88.7	2.00	5.26		
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	1.77	88.6	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/02/2025	ND	5.59	93.2	6.00	4.04		
Total BTEX	<0.300	0.300	07/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/02/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2025	ND	209	105	200	2.94	
DRO >C10-C28*	<10.0	10.0	07/02/2025	ND	205	102	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	07/02/2025	ND					

Surrogate: 1-Chlorooctane 87.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.2 % 40.6-153

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Analytical Results For:

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

Received: 07/01/2025
 Reported: 07/03/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 36 (1.0') (H253973-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2025	ND	1.99	99.4	2.00	9.92	
Toluene*	<0.050	0.050	07/02/2025	ND	1.77	88.7	2.00	5.26	
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	1.77	88.6	2.00	4.23	
Total Xylenes*	<0.150	0.150	07/02/2025	ND	5.59	93.2	6.00	4.04	
Total BTEX	<0.300	0.300	07/02/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/02/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2025	ND	209	105	200	2.94	
DRO >C10-C28*	<10.0	10.0	07/02/2025	ND	205	102	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	07/02/2025	ND					

Surrogate: 1-Chlorooctane 97.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.6 % 40.6-153

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



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

Analytical Results For:

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

Received: 07/01/2025
 Reported: 07/03/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 37 (1.0') (H253973-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/02/2025	ND	1.99	99.4	2.00	9.92		
Toluene*	<0.050	0.050	07/02/2025	ND	1.77	88.7	2.00	5.26		
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	1.77	88.6	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/02/2025	ND	5.59	93.2	6.00	4.04		
Total BTEX	<0.300	0.300	07/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/02/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2025	ND	209	105	200	2.94	
DRO >C10-C28*	<10.0	10.0	07/02/2025	ND	205	102	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	07/02/2025	ND					

Surrogate: 1-Chlorooctane 89.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.0 % 40.6-153

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



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Analytical Results For:

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

Received: 07/01/2025
 Reported: 07/03/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 38 (1.0') (H253973-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/02/2025	ND	1.99	99.4	2.00	9.92		
Toluene*	<0.050	0.050	07/02/2025	ND	1.77	88.7	2.00	5.26		
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	1.77	88.6	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/02/2025	ND	5.59	93.2	6.00	4.04		
Total BTEX	<0.300	0.300	07/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/02/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2025	ND	209	105	200	2.94	
DRO >C10-C28*	<10.0	10.0	07/02/2025	ND	205	102	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	07/02/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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



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Analytical Results For:

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

Received: 07/01/2025
 Reported: 07/03/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 39 (1.0') (H253973-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/02/2025	ND	1.99	99.4	2.00	9.92		
Toluene*	<0.050	0.050	07/02/2025	ND	1.77	88.7	2.00	5.26		
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	1.77	88.6	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/02/2025	ND	5.59	93.2	6.00	4.04		
Total BTEX	<0.300	0.300	07/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/02/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2025	ND	209	105	200	2.94	
DRO >C10-C28*	<10.0	10.0	07/02/2025	ND	205	102	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	07/02/2025	ND					

Surrogate: 1-Chlorooctane 89.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.8 % 40.6-153

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



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Analytical Results For:

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

Received: 07/01/2025
 Reported: 07/03/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 5 (3.0') (H253973-20)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2025	ND	1.99	99.4	2.00	9.92	
Toluene*	<0.050	0.050	07/02/2025	ND	1.77	88.7	2.00	5.26	
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	1.77	88.6	2.00	4.23	
Total Xylenes*	<0.150	0.150	07/02/2025	ND	5.59	93.2	6.00	4.04	
Total BTEX	<0.300	0.300	07/02/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/02/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2025	ND	209	105	200	2.94	
DRO >C10-C28*	<10.0	10.0	07/02/2025	ND	205	102	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	07/02/2025	ND					

Surrogate: 1-Chlorooctane 99.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.7 % 40.6-153

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



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Analytical Results For:

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

Received: 07/01/2025
 Reported: 07/03/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 6 (1.0'-3.0') (H253973-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/02/2025	ND	1.99	99.4	2.00	9.92		
Toluene*	<0.050	0.050	07/02/2025	ND	1.77	88.7	2.00	5.26		
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	1.77	88.6	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/02/2025	ND	5.59	93.2	6.00	4.04		
Total BTEX	<0.300	0.300	07/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/02/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2025	ND	209	105	200	2.94	
DRO >C10-C28*	<10.0	10.0	07/02/2025	ND	205	102	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	07/02/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

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Analytical Results For:

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

Received: 07/01/2025
 Reported: 07/03/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 7 (3.0') (H253973-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/02/2025	ND	1.99	99.4	2.00	9.92		
Toluene*	<0.050	0.050	07/02/2025	ND	1.77	88.7	2.00	5.26		
Ethylbenzene*	<0.050	0.050	07/02/2025	ND	1.77	88.6	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/02/2025	ND	5.59	93.2	6.00	4.04		
Total BTEX	<0.300	0.300	07/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/02/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2025	ND	209	105	200	2.94	
DRO >C10-C28*	<10.0	10.0	07/02/2025	ND	205	102	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	07/02/2025	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.2 % 40.6-153

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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

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

Chain of Custody

Work Order No: HA53973

Page 1 of 3

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

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Perturb <input type="checkbox"/>	
State of Project:	
Reporting Level: <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Cutbow East CTB (01.01.2025)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2694	Due Date:	72 hr.														None: NO	DI Water: H ₂ O	
Project Location:	Lea County, New Mexico																Cool: Cool	MeOH: Me	
Sampler's Name:	JDC																HCL: HC	HNO ₃ : HN	
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>													H ₃ PO ₄ : HP		
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:															NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:															Na ₂ S ₂ O ₅ : NaSO ₃		
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	4.4°C														Zn Acetate+NaOH: Zn		
Total Containers:		Corrected Temperature:	4.7°C														NaOH+Ascorbic Acid: SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
CS-21 (3.0')	6/30/2025		X		C	1	X	X	X										
CS-22 (3.0')	6/30/2025		X		C	1	X	X	X										
CS-23 (3.0')	6/30/2025		X		C	1	X	X	X										
CS-24 (3.0')	6/30/2025		X		C	1	X	X	X										
CS-25 (3.0')	6/30/2025		X		C	1	X	X	X										
CS-26 (1.0')	7/1/2025		X		C	1	X	X	X										
CS-27 (1.0')	7/1/2025		X		C	1	X	X	X										
CS-28 (1.0')	7/1/2025		X		C	1	X	X	X										
CS-29 (1.0')	7/1/2025		X		C	1	X	X	X										
CS-30 (1.0')	7/1/2025		X		C	1	X	X	X										

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			7/1/25/1523

Chain of Custody

Work Order No: HA03113

Page 2 of 3

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 Mainfield St, Suite 600									
City, State ZIP:		Midland, TX 79701		City, State ZIP:		Midland, TX 79701									
Phone:		432-813-8988		Email:		laci.luig@coferra.com & ashton.thielke@coferra.com									
Project Name:		Culbow East CTB (01.01.2025)		Turn Around		ANALYSIS REQUEST									
Project Number:		2694		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush											
Project Location:		Lea County, New Mexico		Due Date:		72 hr.									
Sampler's Name:		JDC													
PO #:															
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		#140									
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Correction Factor:		40.38									
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Temperature Reading:		4.41									
Total Containers:				Corrected Temperature:		4.71									
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont		Parameters	
CS-31 (1.0')		7/1/2025				X		X		C		1		BTX 8021B	
CS-32 (1.0')		7/1/2025				X		X		C		1		TPH 8015M (GRO + DRO + MRO)	
CS-33 (1.0')		7/1/2025				X		X		C		1		Chloride 4500	
CS-34 (1.0')		7/1/2025				X		X		C		1			
CS-35 (1.0')		7/1/2025				X		X		C		1			
CS-36 (1.0')		7/1/2025				X		X		C		1			
CS-37 (1.0')		7/1/2025				X		X		C		1			
CS-38 (1.0')		7/1/2025				X		X		C		1			
CS-39 (1.0')		7/1/2025				X		X		C		1			
SW-5 (3.0')		6/30/2025				X		X		C		1			
Comments:															
Relinquished by: (Signature) <i>gud</i> Date/Time <i>7/1/2025</i>															
Received by: (Signature) <i>AP</i> Date/Time <i>7/1/2025</i>															

Chain of Custody

Work Order No:

AS3973

Page 3 of 3

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 Mainfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com & ashton.thielke@coterra.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> RP <input checked="" type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____	

[illegible]

Comments:

Comments:			
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>		<i>[Signature]</i>	7-25/2023



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

July 09, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: CUTBOW EAST CTB (01.01.2025)

Enclosed are the results of analyses for samples received by the laboratory on 07/03/25 15:34.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 40 (1.0') (H254024-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	1.94	96.9	2.00	2.59	
Toluene*	<0.050	0.050	07/07/2025	ND	2.01	100	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.99	99.5	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.88	98.0	6.00	1.40	
Total BTEX	<0.300	0.300	07/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	215	108	200	0.0979	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	214	107	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 41 (1.0') (H254024-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	1.94	96.9	2.00	2.59	
Toluene*	<0.050	0.050	07/07/2025	ND	2.01	100	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.99	99.5	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.88	98.0	6.00	1.40	
Total BTEX	<0.300	0.300	07/07/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/07/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	215	108	200	0.0979	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	214	107	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 42 (1.0') (H254024-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	1.94	96.9	2.00	2.59	
Toluene*	<0.050	0.050	07/07/2025	ND	2.01	100	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.99	99.5	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.88	98.0	6.00	1.40	
Total BTEX	<0.300	0.300	07/07/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/07/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	215	108	200	0.0979	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	214	107	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 43 (1.0') (H254024-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	1.94	96.9	2.00	2.59	
Toluene*	<0.050	0.050	07/07/2025	ND	2.01	100	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.99	99.5	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.88	98.0	6.00	1.40	
Total BTEX	<0.300	0.300	07/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/07/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	215	108	200	0.0979	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	214	107	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 99.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 44 (1.0') (H254024-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.94	96.9	2.00	2.59		
Toluene*	<0.050	0.050	07/07/2025	ND	2.01	100	2.00	2.02		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.99	99.5	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.88	98.0	6.00	1.40		
Total BTEX	<0.300	0.300	07/07/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/07/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	215	108	200	0.0979	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	214	107	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 99.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 45 (1.0') (H254024-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	1.94	96.9	2.00	2.59	
Toluene*	<0.050	0.050	07/07/2025	ND	2.01	100	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.99	99.5	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.88	98.0	6.00	1.40	
Total BTEX	<0.300	0.300	07/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/07/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	215	108	200	0.0979	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	214	107	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 46 (1.0') (H254024-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	1.94	96.9	2.00	2.59	
Toluene*	<0.050	0.050	07/07/2025	ND	2.01	100	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.99	99.5	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.88	98.0	6.00	1.40	
Total BTEX	<0.300	0.300	07/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/07/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	215	108	200	0.0979	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	214	107	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 47 (1.0') (H254024-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	1.94	96.9	2.00	2.59	
Toluene*	<0.050	0.050	07/07/2025	ND	2.01	100	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.99	99.5	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.88	98.0	6.00	1.40	
Total BTEX	<0.300	0.300	07/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/07/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	215	108	200	0.0979	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	214	107	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 48 (1.0') (H254024-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	1.94	96.9	2.00	2.59	
Toluene*	<0.050	0.050	07/07/2025	ND	2.01	100	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.99	99.5	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.88	98.0	6.00	1.40	
Total BTEX	<0.300	0.300	07/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/07/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	215	108	200	0.0979	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	214	107	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.7 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 49 (1.0') (H254024-10)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	1.94	96.9	2.00	2.59	
Toluene*	<0.050	0.050	07/07/2025	ND	2.01	100	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.99	99.5	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.88	98.0	6.00	1.40	
Total BTEX	<0.300	0.300	07/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/07/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	215	108	200	0.0979	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	214	107	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 50 (1.0') (H254024-11)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	1.94	96.9	2.00	2.59	
Toluene*	<0.050	0.050	07/07/2025	ND	2.01	100	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.99	99.5	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.88	98.0	6.00	1.40	
Total BTEX	<0.300	0.300	07/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/07/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	215	108	200	0.0979	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	214	107	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 99.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.5 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 51 (1.0') (H254024-12)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	1.94	96.9	2.00	2.59	
Toluene*	<0.050	0.050	07/07/2025	ND	2.01	100	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.99	99.5	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.88	98.0	6.00	1.40	
Total BTEX	<0.300	0.300	07/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/07/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	215	108	200	0.0979	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	214	107	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.0 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 52 (1.0') (H254024-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.94	96.9	2.00	2.59		
Toluene*	<0.050	0.050	07/07/2025	ND	2.01	100	2.00	2.02		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.99	99.5	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.88	98.0	6.00	1.40		
Total BTEX	<0.300	0.300	07/07/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/07/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	215	108	200	0.0979	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	214	107	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.5 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 53 (1.0') (H254024-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.94	96.9	2.00	2.59		
Toluene*	<0.050	0.050	07/07/2025	ND	2.01	100	2.00	2.02		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.99	99.5	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.88	98.0	6.00	1.40		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/07/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	215	108	200	0.0979	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	214	107	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.7 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 54 (1.0') (H254024-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	1.94	96.9	2.00	2.59	
Toluene*	<0.050	0.050	07/07/2025	ND	2.01	100	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.99	99.5	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.88	98.0	6.00	1.40	
Total BTEX	<0.300	0.300	07/07/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/07/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	215	108	200	0.0979	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	214	107	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.8 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 55 (1.0') (H254024-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.94	96.9	2.00	2.59		
Toluene*	<0.050	0.050	07/07/2025	ND	2.01	100	2.00	2.02		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.99	99.5	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.88	98.0	6.00	1.40		
Total BTEX	<0.300	0.300	07/07/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	215	108	200	0.0979	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	214	107	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 56 (1.0') (H254024-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.94	96.9	2.00	2.59		
Toluene*	<0.050	0.050	07/07/2025	ND	2.01	100	2.00	2.02		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.99	99.5	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.88	98.0	6.00	1.40		
Total BTEX	<0.300	0.300	07/07/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	215	108	200	0.0979	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	214	107	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.2 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 57 (1.0') (H254024-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	1.94	96.9	2.00	2.59	
Toluene*	<0.050	0.050	07/07/2025	ND	2.01	100	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.99	99.5	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.88	98.0	6.00	1.40	
Total BTEX	<0.300	0.300	07/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	215	108	200	0.0979	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	214	107	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.5 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 58 (1.0') (H254024-19)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	1.94	96.9	2.00	2.59	
Toluene*	<0.050	0.050	07/07/2025	ND	2.01	100	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.99	99.5	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.88	98.0	6.00	1.40	
Total BTEX	<0.300	0.300	07/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	215	108	200	0.0979	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	214	107	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.0 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 59 (1.0') (H254024-20)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	1.94	96.9	2.00	2.59	
Toluene*	<0.050	0.050	07/07/2025	ND	2.01	100	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.99	99.5	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.88	98.0	6.00	1.40	
Total BTEX	<0.300	0.300	07/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	215	108	200	0.0979	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	214	107	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.5 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 60 (1.0') (H254024-21)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.83	91.7	2.00	0.814		
Toluene*	<0.050	0.050	07/07/2025	ND	1.84	91.8	2.00	5.93		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.85	92.6	2.00	5.12		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.76	96.0	6.00	5.32		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	194	96.9	200	1.26	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	217	108	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 98.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.3 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 61 (1.0') (H254024-22)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	1.83	91.7	2.00	0.814	
Toluene*	<0.050	0.050	07/07/2025	ND	1.84	91.8	2.00	5.93	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.85	92.6	2.00	5.12	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.76	96.0	6.00	5.32	
Total BTEX	<0.300	0.300	07/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	194	96.9	200	1.26	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	217	108	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.7 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 62 (1.0') (H254024-23)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	1.83	91.7	2.00	0.814	
Toluene*	<0.050	0.050	07/07/2025	ND	1.84	91.8	2.00	5.93	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.85	92.6	2.00	5.12	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.76	96.0	6.00	5.32	
Total BTEX	<0.300	0.300	07/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	194	96.9	200	1.26	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	217	108	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.3 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 63 (1.0') (H254024-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.83	91.7	2.00	0.814		
Toluene*	<0.050	0.050	07/07/2025	ND	1.84	91.8	2.00	5.93		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.85	92.6	2.00	5.12		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.76	96.0	6.00	5.32		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	194	96.9	200	1.26	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	217	108	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 99.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 64 (1.5') (H254024-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.83	91.7	2.00	0.814		
Toluene*	<0.050	0.050	07/07/2025	ND	1.84	91.8	2.00	5.93		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.85	92.6	2.00	5.12		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.76	96.0	6.00	5.32		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	194	96.9	200	1.26	
DRO >C10-C28*	15.3	10.0	07/07/2025	ND	217	108	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 65 (1.5') (H254024-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.83	91.7	2.00	0.814		
Toluene*	<0.050	0.050	07/07/2025	ND	1.84	91.8	2.00	5.93		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.85	92.6	2.00	5.12		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.76	96.0	6.00	5.32		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	194	96.9	200	1.26	
DRO >C10-C28*	22.4	10.0	07/07/2025	ND	217	108	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 66 (1.5') (H254024-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.83	91.7	2.00	0.814		
Toluene*	<0.050	0.050	07/07/2025	ND	1.84	91.8	2.00	5.93		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.85	92.6	2.00	5.12		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.76	96.0	6.00	5.32		
Total BTEX	<0.300	0.300	07/07/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	194	96.9	200	1.26	
DRO >C10-C28*	18.1	10.0	07/07/2025	ND	217	108	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 67 (1.5') (H254024-28)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.83	91.7	2.00	0.814		
Toluene*	<0.050	0.050	07/07/2025	ND	1.84	91.8	2.00	5.93		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.85	92.6	2.00	5.12		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.76	96.0	6.00	5.32		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	194	96.9	200	1.26	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	217	108	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.4 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 68 (1.5') (H254024-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.83	91.7	2.00	0.814		
Toluene*	<0.050	0.050	07/07/2025	ND	1.84	91.8	2.00	5.93		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.85	92.6	2.00	5.12		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.76	96.0	6.00	5.32		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	194	96.9	200	1.26	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	217	108	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 95.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.5 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 69 (1.5') (H254024-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.83	91.7	2.00	0.814		
Toluene*	<0.050	0.050	07/07/2025	ND	1.84	91.8	2.00	5.93		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.85	92.6	2.00	5.12		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.76	96.0	6.00	5.32		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	194	96.9	200	1.26	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	217	108	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 92.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.1 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 70 (1.5') (H254024-31)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.83	91.7	2.00	0.814		
Toluene*	<0.050	0.050	07/07/2025	ND	1.84	91.8	2.00	5.93		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.85	92.6	2.00	5.12		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.76	96.0	6.00	5.32		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	194	96.9	200	1.26	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	217	108	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 89.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.3 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 71 (1.5') (H254024-32)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	1.83	91.7	2.00	0.814	
Toluene*	<0.050	0.050	07/07/2025	ND	1.84	91.8	2.00	5.93	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.85	92.6	2.00	5.12	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.76	96.0	6.00	5.32	
Total BTEX	<0.300	0.300	07/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	194	96.9	200	1.26	
DRO >C10-C28*	10.7	10.0	07/07/2025	ND	217	108	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 89.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 72 (1.5') (H254024-33)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	1.83	91.7	2.00	0.814	
Toluene*	<0.050	0.050	07/07/2025	ND	1.84	91.8	2.00	5.93	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.85	92.6	2.00	5.12	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.76	96.0	6.00	5.32	
Total BTEX	<0.300	0.300	07/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	194	96.9	200	1.26	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	217	108	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 93.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 73 (1.5') (H254024-34)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.83	91.7	2.00	0.814		
Toluene*	<0.050	0.050	07/07/2025	ND	1.84	91.8	2.00	5.93		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.85	92.6	2.00	5.12		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.76	96.0	6.00	5.32		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	194	96.9	200	1.26	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	217	108	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 93.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 74 (1.5') (H254024-35)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	1.83	91.7	2.00	0.814	
Toluene*	<0.050	0.050	07/07/2025	ND	1.84	91.8	2.00	5.93	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.85	92.6	2.00	5.12	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.76	96.0	6.00	5.32	
Total BTEX	<0.300	0.300	07/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	194	96.9	200	1.26	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	217	108	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 97.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 75 (1.5') (H254024-36)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	1.83	91.7	2.00	0.814	
Toluene*	<0.050	0.050	07/07/2025	ND	1.84	91.8	2.00	5.93	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.85	92.6	2.00	5.12	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.76	96.0	6.00	5.32	
Total BTEX	<0.300	0.300	07/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	194	96.9	200	1.26	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	217	108	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 87.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 76 (1.5') (H254024-37)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.83	91.7	2.00	0.814		
Toluene*	<0.050	0.050	07/07/2025	ND	1.84	91.8	2.00	5.93		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.85	92.6	2.00	5.12		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.76	96.0	6.00	5.32		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	194	96.9	200	1.26	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	217	108	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 96.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 77 (1.5') (H254024-38)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.83	91.7	2.00	0.814		
Toluene*	<0.050	0.050	07/07/2025	ND	1.84	91.8	2.00	5.93		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.85	92.6	2.00	5.12		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.76	96.0	6.00	5.32		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	194	96.9	200	1.26	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	217	108	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 97.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 78 (1.5') (H254024-39)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.83	91.7	2.00	0.814		
Toluene*	<0.050	0.050	07/07/2025	ND	1.84	91.8	2.00	5.93		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.85	92.6	2.00	5.12		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.76	96.0	6.00	5.32		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	194	96.9	200	1.26	
DRO >C10-C28*	10.9	10.0	07/07/2025	ND	217	108	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 92.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 79 (1.5') (H254024-40)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.83	91.7	2.00	0.814		
Toluene*	<0.050	0.050	07/07/2025	ND	1.84	91.8	2.00	5.93		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.85	92.6	2.00	5.12		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	5.76	96.0	6.00	5.32		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	194	96.9	200	1.26	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	217	108	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 92.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.6 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 80 (1.5') (H254024-41)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	07/07/2025	ND	1.98	99.2	2.00	0.719		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.94	97.1	2.00	5.21		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.07	101	6.00	5.24		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	218	109	200	2.39	
DRO >C10-C28*	18.7	10.0	07/07/2025	ND	221	110	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 91.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 81 (1.5') (H254024-42)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	07/07/2025	ND	1.98	99.2	2.00	0.719		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.94	97.1	2.00	5.21		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.07	101	6.00	5.24		
Total BTEX	<0.300	0.300	07/07/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/07/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	218	109	200	2.39	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	221	110	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 86.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.9 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 82 (1.5') (H254024-43)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	07/07/2025	ND	1.98	99.2	2.00	0.719		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.94	97.1	2.00	5.21		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.07	101	6.00	5.24		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	218	109	200	2.39	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	221	110	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 80.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.7 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 83 (1.5') (H254024-44)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	07/07/2025	ND	1.98	99.2	2.00	0.719		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.94	97.1	2.00	5.21		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.07	101	6.00	5.24		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/07/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	218	109	200	2.39	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	221	110	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 82.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.3 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 84 (1.5') (H254024-45)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	07/07/2025	ND	1.98	99.2	2.00	0.719		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.94	97.1	2.00	5.21		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.07	101	6.00	5.24		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	218	109	200	2.39	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	221	110	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 89.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.6 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 85 (1.5') (H254024-46)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	2.07	104	2.00	1.47	
Toluene*	<0.050	0.050	07/07/2025	ND	1.98	99.2	2.00	0.719	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.94	97.1	2.00	5.21	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.07	101	6.00	5.24	
Total BTEX	<0.300	0.300	07/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	218	109	200	2.39	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	221	110	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 73.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.3 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 86 (1.5') (H254024-47)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	07/07/2025	ND	1.98	99.2	2.00	0.719		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.94	97.1	2.00	5.21		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.07	101	6.00	5.24		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	218	109	200	2.39	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	221	110	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 87.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.7 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 87 (1.5') (H254024-48)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	07/07/2025	ND	1.98	99.2	2.00	0.719		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.94	97.1	2.00	5.21		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.07	101	6.00	5.24		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	218	109	200	2.39	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	221	110	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 89.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.0 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: CS - 88 (1.5') (H254024-49)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	07/07/2025	ND	1.98	99.2	2.00	0.719		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.94	97.1	2.00	5.21		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.07	101	6.00	5.24		
Total BTEx	<0.300	0.300	07/07/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	218	109	200	2.39	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	221	110	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 83.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: SW - 8 (1.0') (H254024-50)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	2.07	104	2.00	1.47	
Toluene*	<0.050	0.050	07/07/2025	ND	1.98	99.2	2.00	0.719	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.94	97.1	2.00	5.21	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.07	101	6.00	5.24	
Total BTEX	<0.300	0.300	07/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	218	109	200	2.39	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	221	110	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 83.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.7 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: SW - 9 (1.0') (H254024-51)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	07/07/2025	ND	1.98	99.2	2.00	0.719		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.94	97.1	2.00	5.21		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.07	101	6.00	5.24		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	218	109	200	2.39	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	221	110	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.2 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: SW - 10 (1.0-1.5') (H254024-52)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	2.07	104	2.00	1.47	
Toluene*	<0.050	0.050	07/07/2025	ND	1.98	99.2	2.00	0.719	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.94	97.1	2.00	5.21	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.07	101	6.00	5.24	
Total BTEX	<0.300	0.300	07/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	218	109	200	2.39	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	221	110	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 77.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.6 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: SW - 11 (1.0') (H254024-53)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	07/07/2025	ND	1.98	99.2	2.00	0.719		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.94	97.1	2.00	5.21		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.07	101	6.00	5.24		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	218	109	200	2.39	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	221	110	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 84.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.1 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: SW - 12 (1.0') (H254024-54)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	07/07/2025	ND	1.98	99.2	2.00	0.719		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.94	97.1	2.00	5.21		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.07	101	6.00	5.24		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	218	109	200	2.39	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	221	110	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 84.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.0 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: SW - 13 (1.0') (H254024-55)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	07/07/2025	ND	1.98	99.2	2.00	0.719		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.94	97.1	2.00	5.21		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.07	101	6.00	5.24		
Total BTEx	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/07/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	218	109	200	2.39	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	221	110	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 88.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.9 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: SW - 14 (1.0') (H254024-56)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	07/07/2025	ND	1.98	99.2	2.00	0.719		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.94	97.1	2.00	5.21		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.07	101	6.00	5.24		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	218	109	200	2.39	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	221	110	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.8 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: SW - 15 (1.0') (H254024-57)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	07/07/2025	ND	1.98	99.2	2.00	0.719		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.94	97.1	2.00	5.21		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.07	101	6.00	5.24		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	218	109	200	2.39	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	221	110	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 83.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: SW - 16 (1.0') (H254024-58)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	07/07/2025	ND	1.98	99.2	2.00	0.719		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.94	97.1	2.00	5.21		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.07	101	6.00	5.24		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	218	109	200	2.39	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	221	110	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 84.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: SW - 17 (1.5') (H254024-59)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	07/07/2025	ND	1.98	99.2	2.00	0.719		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.94	97.1	2.00	5.21		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.07	101	6.00	5.24		
Total BTEx	<0.300	0.300	07/07/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	218	109	200	2.39	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	221	110	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 74.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.5 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: SW - 18 (1.5') (H254024-60)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2025	ND	2.07	104	2.00	1.47	
Toluene*	<0.050	0.050	07/07/2025	ND	1.98	99.2	2.00	0.719	
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	1.94	97.1	2.00	5.21	
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.07	101	6.00	5.24	
Total BTEX	<0.300	0.300	07/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	218	109	200	2.39	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	221	110	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 91.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.2 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: SW - 19 (1.5') (H254024-61)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.99	99.6	2.00	0.653		
Toluene*	<0.050	0.050	07/07/2025	ND	2.02	101	2.00	1.78		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	2.03	102	2.00	0.351		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.26	104	6.00	0.794		
Total BTX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	198	98.9	200	5.05	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	94.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 85.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.4 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: SW - 20 (1.5') (H254024-62)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.99	99.6	2.00	0.653		
Toluene*	<0.050	0.050	07/07/2025	ND	2.02	101	2.00	1.78		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	2.03	102	2.00	0.351		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.26	104	6.00	0.794		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	07/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	198	98.9	200	5.05	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	94.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 76.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.2 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: SW - 21 (1.5') (H254024-63)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.99	99.6	2.00	0.653		
Toluene*	<0.050	0.050	07/07/2025	ND	2.02	101	2.00	1.78		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	2.03	102	2.00	0.351		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.26	104	6.00	0.794		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	198	98.9	200	5.05	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	94.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 76.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.1 % 40.6-153

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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/09/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Alyssa Parras

Sample ID: SW - 22 (1.5') (H254024-64)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2025	ND	1.99	99.6	2.00	0.653		
Toluene*	<0.050	0.050	07/07/2025	ND	2.02	101	2.00	1.78		
Ethylbenzene*	<0.050	0.050	07/07/2025	ND	2.03	102	2.00	0.351		
Total Xylenes*	<0.150	0.150	07/07/2025	ND	6.26	104	6.00	0.794		
Total BTEX	<0.300	0.300	07/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	198	98.9	200	5.05	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	94.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 85.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 4254024

Project Manager:	Ashton Thieke	Bill to: (if different)	Laci Luig
Company Name:	Carmora Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	600 N Mainfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@colerra.com & ashton.thieke@colerra.com

Program: UST/PT <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> IRC <input type="checkbox"/> Iperfund <input type="checkbox"/>	
State of Project: <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Reporting Level: <input type="checkbox"/> EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>	

Project Name:		Cutbow East CTB (01.01.2025)		Turn Around		ANALYSIS REQUEST												Preservative Codes																																						
Project Number:	2694	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	72 hr.													None: NO	DI Water: H ₂ O																																						
Project Location:	Lea County, New Mexico	Due Date:															Cool: Cool	MeOH: Me																																						
Sampler's Name:	JDC																HCL: HC	HNO ₃ : HN																																						
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na																																						
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>											H ₃ PO ₄ : HP																																							
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:															NaHSO ₄ : NABIS																																							
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:																													Na ₂ S ₂ O ₃ : NaSO ₃																									
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Corrected Temperature:																																											Zn Acetate+NaOH: Zn											
Total Containers:																																													NaOH+Ascorbic Acid: SAPC											
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments																																						
CS-40 (1.0')		7/2/2025		X		C	1	X	X	X																																														
CS-41 (1.0')		7/2/2025		X		C	1	X	X	X																																														
CS-42 (1.0')		7/2/2025		X		C	1	X	X	X																																														
CS-43 (1.0')		7/2/2025		X		C	1	X	X	X																																														
CS-44 (1.0')		7/2/2025		X		C	1	X	X	X																																														
CS-45 (1.0')		7/2/2025		X		C	1	X	X	X																																														
CS-46 (1.0')		7/2/2025		X		C	1	X	X	X																																														
CS-47 (1.0')		7/2/2025		X		C	1	X	X	X																																														
CS-48 (1.0')		7/2/2025		X		C	1	X	X	X																																														
CS-49 (1.0')		7/2/2025		X		C	1	X	X	X																																														
CS-49 (1.0')		7/2/2025		X		C	1	X	X	X																																														

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

[Signature]

[Signature]

7-3-2025 1:534

Chain of Custody

Work Order No: 145140

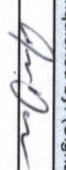

Page 2 of 7

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

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

Project Name:	Culbrow East CTB (04.01.2025)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:	2694																None: NO DI Water: H ₂ O				
Project Location:	Lea County, New Mexico	Due Date:	* 72 hr.														Cool: Cool MeOH: Me				
Sampler's Name:	JDC																HCL: HC HNO ₃ : HN				
PO #:																	H ₂ SO ₄ : H ₂ NaOH: Na				
SAMPLE RECEIPT				Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters												H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:														NaHSO ₄ : NABIS					
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:														Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:														Zn Acetate+NaOH: Zn					
Total Containers:		Corrected Temperature:														NaOH+Ascorbic Acid: SPC					
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments		
11 CS-50 (1.0)	7/2/2025		X		C	1	X	X	X	X	X	X	X	X	X	X					
12 CS-51 (1.0)	7/2/2025		X		C	1	X	X	X	X	X	X	X	X	X	X					
13 CS-52 (1.0)	7/2/2025		X		C	1	X	X	X	X	X	X	X	X	X	X					
14 CS-53 (1.0)	7/2/2025		X		C	1	X	X	X	X	X	X	X	X	X	X					
15 CS-54 (1.0)	7/2/2025		X		C	1	X	X	X	X	X	X	X	X	X	X					
16 CS-55 (1.0)	7/2/2025		X		C	1	X	X	X	X	X	X	X	X	X	X					
17 CS-56 (1.0)	7/2/2025		X		C	1	X	X	X	X	X	X	X	X	X	X					
18 CS-57 (1.0)	7/2/2025		X		C	1	X	X	X	X	X	X	X	X	X	X					
19 CS-58 (1.0)	7/2/2025		X		C	1	X	X	X	X	X	X	X	X	X	X					
20 CS-59 (1.0)	7/2/2025		X		C	1	X	X	X	X	X	X	X	X	X	X					

Comments:

Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time
					7-3-25/1534

Chain of Custody

Work Order No: 135400

Page 3 of 7

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luing
Company Name:	Carmona Resources	Company Name:	Cinara 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.luing@cinara.com & ashton.thielke@cinara.com

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

Project Name:	Cutbow East CTB (01.01.2025)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes						
Project Number:	2694																None: NO	DI Water: H ₂ O					
Project Location:	Lea County, New Mexico	Due Date:	72 hr.														Cool: Cool	MeOH: Me					
Sampler's Name:	JDC																HCL: HC	HNO ₃ : HN					
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na					
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No	Wet Ice:	Yes <input checked="" type="checkbox"/> No													H ₃ PO ₄ : HP						
Received In tact:	Yes <input checked="" type="checkbox"/> No	Thermometer ID:															NaHSO ₄ : NABIS						
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No	Correction Factor:															Na ₂ S ₂ O ₅ : NaSO ₃						
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No	Temperature Reading:															Zn Acetate+NaOH: Zn						
Total Containers:		Corrected Temperature:															NaOH+Ascorbic Acid: SAPC						
Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters												Sample Comments				
CS-60 (1.0)	7/2/2025		X		C	1	X	X	X	BTX 8021B													
CS-61 (1.0)	7/2/2025		X		C	1	X	X	X	TPH 8015M (GRO + DRO + MRO)													
CS-62 (1.0)	7/2/2025		X		C	1	X	X	X	Chloride 4500													
CS-63 (1.0)	7/2/2025		X		C	1	X	X	X														
CS-64 (1.5)	7/3/2025		X		C	1	X	X	X														
CS-65 (1.5)	7/3/2025		X		C	1	X	X	X														
CS-66 (1.5)	7/3/2025		X		C	1	X	X	X														
CS-67 (1.5)	7/3/2025		X		C	1	X	X	X														
CS-68 (1.5)	7/3/2025		X		C	1	X	X	X														
CS-69 (1.5)	7/3/2025		X		C	1	X	X	X														

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

Work Order No: 4354024

Work Order Comments	
Program: UST/PT <input type="checkbox"/> RRP <input type="checkbox"/> Brownfields <input type="checkbox"/> IRC <input type="checkbox"/> <input type="checkbox"/> perfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Comments:

Date/Time

7.2.25/1534

Chain of Custody

Work Order No: H25UB4

Page 5 of 7

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 Mainfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@colerra.com & ashton.thielke@colerra.com

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

Project Name:	Cutbow East CTB (01.01.2025)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:	2694																None: NO DI Water: H ₂ O				
Project Location:	Lea County, New Mexico	Due Date:	72 hr.														Cool: Cool MeOH: Me				
Sampler's Name:	JDC																HCL: HC HNO ₃ : HN				
PO #:																	H ₂ SO ₄ : H ₂ NaOH: Na				
SAMPLE RECEIPT				Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters												H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	#140													NaHSO ₄ : NABIS					
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	TC-8													Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	6.9													Zn Acetate+NaOH: Zn					
Total Containers:		Corrected Temperature:	7.2													NaOH+Ascorbic Acid: SAPC					
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments		
L11 CS-80 (1.5)	7/3/2025		X		C	1	X	X	X												
L12 CS-81 (1.5)	7/3/2025		X		C	1	X	X	X												
L13 CS-82 (1.5)	7/3/2025		X		C	1	X	X	X												
L14 CS-83 (1.5)	7/3/2025		X		C	1	X	X	X												
L15 CS-84 (1.5)	7/3/2025		X		C	1	X	X	X												
L16 CS-85 (1.5)	7/3/2025		X		C	1	X	X	X												
L17 CS-86 (1.5)	7/3/2025		X		C	1	X	X	X												
L18 CS-87 (1.5)	7/3/2025		X		C	1	X	X	X												
L19 CS-88 (1.5)*	7/3/2025		X		C	1	X	X	X												
L20 SW-8 (1.0)	7/2/2025		X		C	1	X	X	X												

Comments:

Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time
<u>[Signature]</u>			<u>[Signature]</u>		7/3/25/1534

Chain of Custody

Work Order No: 42510024

Page 6 of 7

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

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

Project Name:	Cutbow East CTB (01.01.2025)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes						
Project Number:	2694	Due Date:	72 hr.												None: NO	DI Water: H ₂ O					
Project Location:	Lea County, New Mexico														Cool: Cool	MeOH: Me					
Sampler's Name:	JDC														HCL: HC	HNO ₃ : HN					
PO #:															H ₂ SO ₄ : H ₂	NaOH: Na					
SAMPLE RECEIPT				Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters							Hold						
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:																			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:																			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:																			
Total Containers:		Corrected Temperature:																			
Sample Identification				Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
51	SW-9 (1.0')	7/2/2025		X				C	1	X	X	X									
52	SW-10 (1.0'-1.5')	7/2/2025		X				C	1	X	X	X									
53	SW-11 (1.0')	7/2/2025		X				C	1	X	X	X									
54	SW-12 (1.0')	7/2/2025		X				C	1	X	X	X									
55	SW-13 (1.0')	7/2/2025		X				C	1	X	X	X									
56	SW-14 (1.0')	7/3/2025		X				C	1	X	X	X									
57	SW-15 (1.0')	7/3/2025		X				C	1	X	X	X									
58	SW-16 (1.0')	7/3/2025		X				C	1	X	X	X									
59	SW-17 (1.5')	7/3/2025		X				C	1	X	X	X									
60	SW-18 (1.5')	7/3/2025		X				C	1	X	X	X									

Comments:

Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time
<u>[Signature]</u>			<u>[Signature]</u>		7.3.25/1534

Chain of Custody

Work Order No: 11254004

Page 7 of 7

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

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> perfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Cutbow East CTB (01.01.2025)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Due Date:	72 hr.	Pres. Code		ANALYSIS REQUEST												Preservative Codes	
Project Number:	2694																	None: NO	DI Water: H ₂ O		
Project Location:	Lea County, New Mexico																	Cool: Cool	MeOH: Me		
Sampler's Name:	JDC																	HCL: HC	HNO ₃ : HN		
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters												Hold			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:				BTX 8021B															
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:				TPH 8015M (GRO + DRO + MRO)															
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:				Chloride 4500															
Total Containers:		Corrected Temperature:																			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
101	SW-19 (1.5')	7/3/2025		X		C	1	X	X	X											
102	SW-20 (1.5')	7/3/2025		X		C	1	X	X	X											
103	SW-21 (1.5')	7/3/2025		X		C	1	X	X	X											
104	SW-22 (1.5')	7/3/2025		X		C	1	X	X	X											

Comments:

Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time
					7/3/25/1534



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

July 16, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: CUTBOW EAST CTB (01.01.2025)

Enclosed are the results of analyses for samples received by the laboratory on 07/14/25 13:50.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/14/2025
 Reported: 07/16/2025
 Project Name: CUTBOW EAST CTB (01.01.2025)
 Project Number: 2694
 Project Location: CIMAREX - LEA CO, NEW MEXICO

Sampling Date: 07/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BACKFILL SAMPLE (H254171-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.79	89.5	2.00	4.85	
Toluene*	<0.050	0.050	07/15/2025	ND	2.07	104	2.00	3.94	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.09	105	2.00	1.91	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.53	109	6.00	3.13	
Total BTX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/15/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2025	ND	210	105	200	1.63	
DRO >C10-C28*	47.3	10.0	07/15/2025	ND	190	94.9	200	0.0332	
EXT DRO >C28-C36	15.7	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Work Order No.:

14254171

Page 1 of 1

Work Order Comments	
Program: UST/PT <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RC <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

[illegible]

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

APPENDIX F

CARMONA RESOURCES





Liner Integrity Certification

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

Facility ID: fAPP2331147143

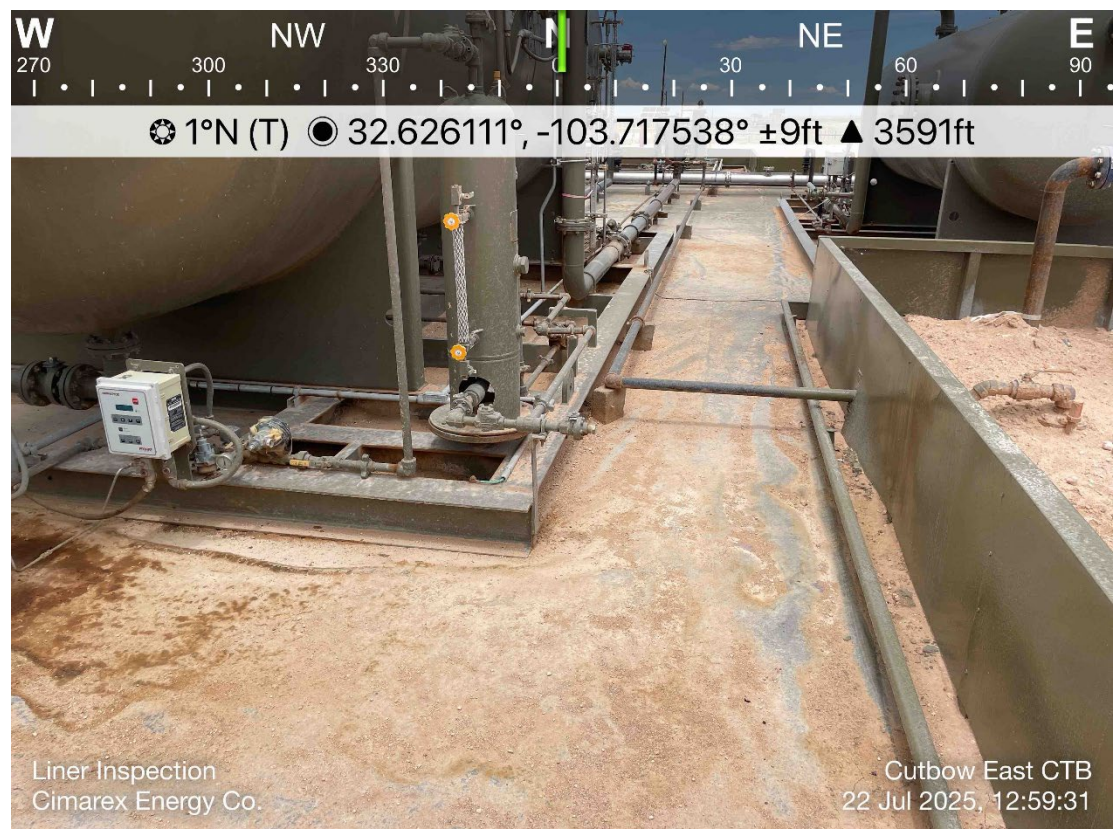
Date: 07/22/2025

Incident ID(s): NAPP2500253232

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

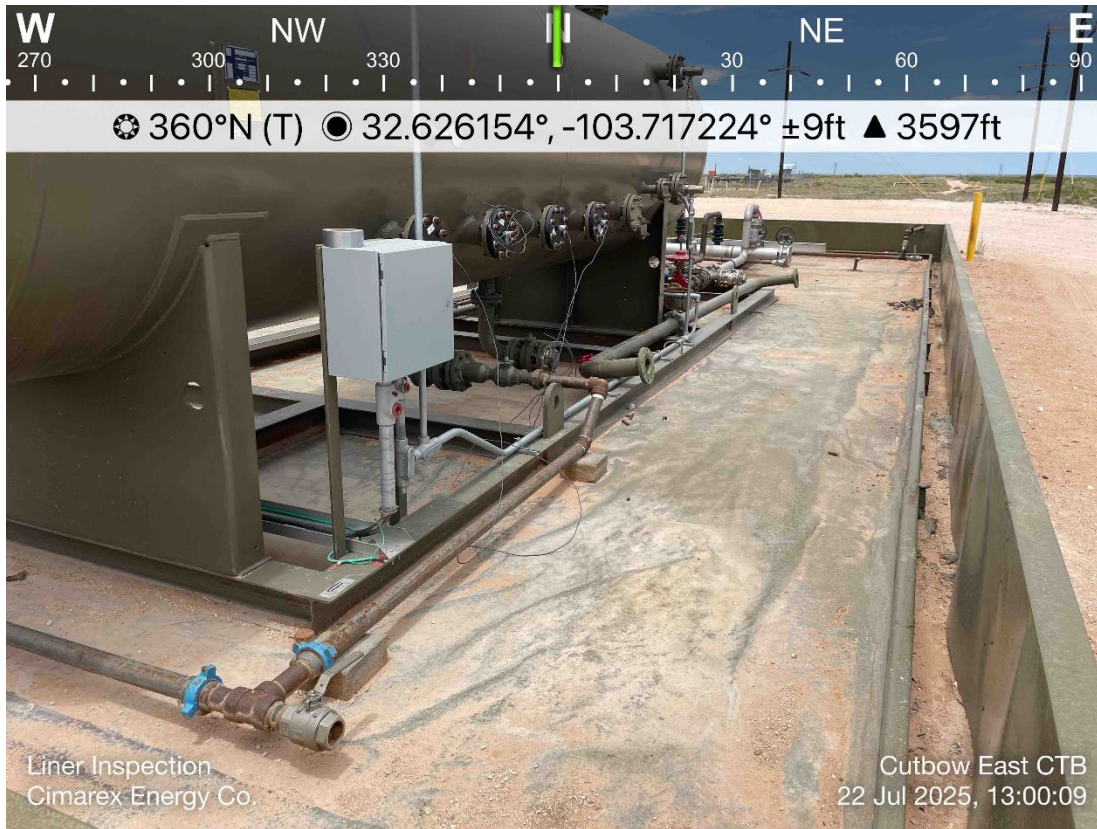


COTERRA ENERGY OPERATING CO.
CUTBOW EAST CTB (01.01.2025)
LEA CO, NEW MEXICO



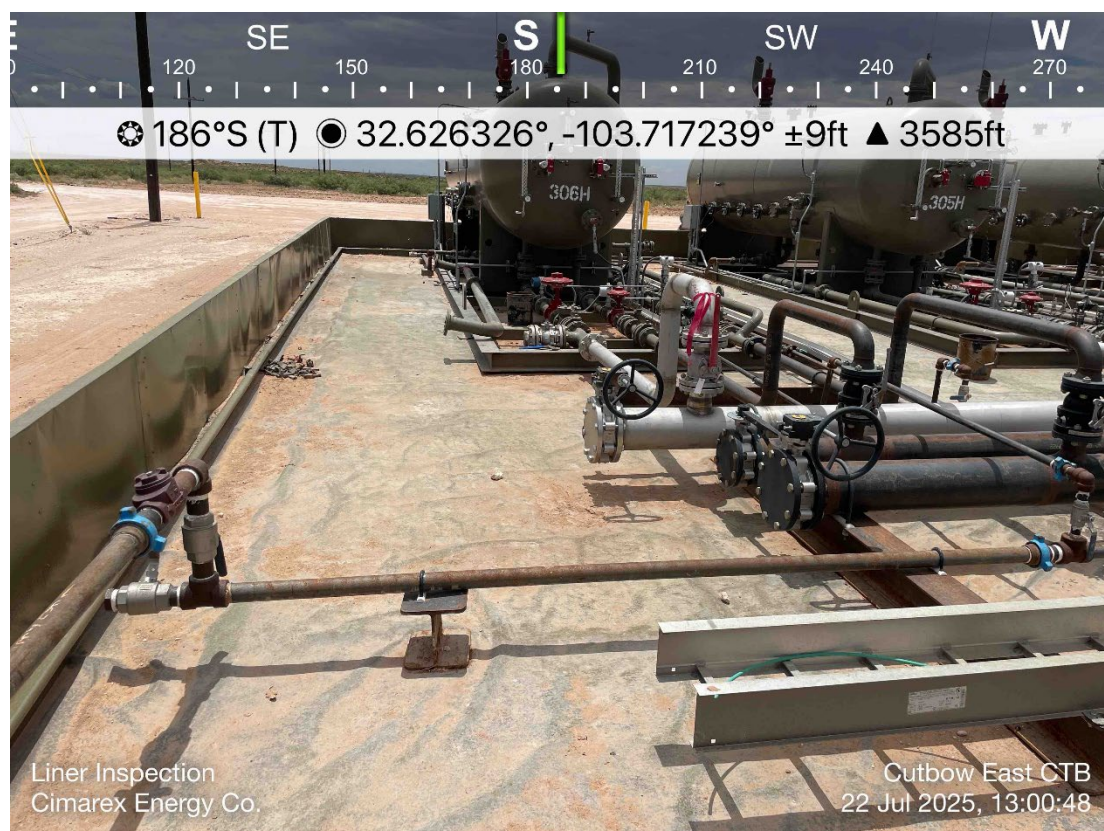
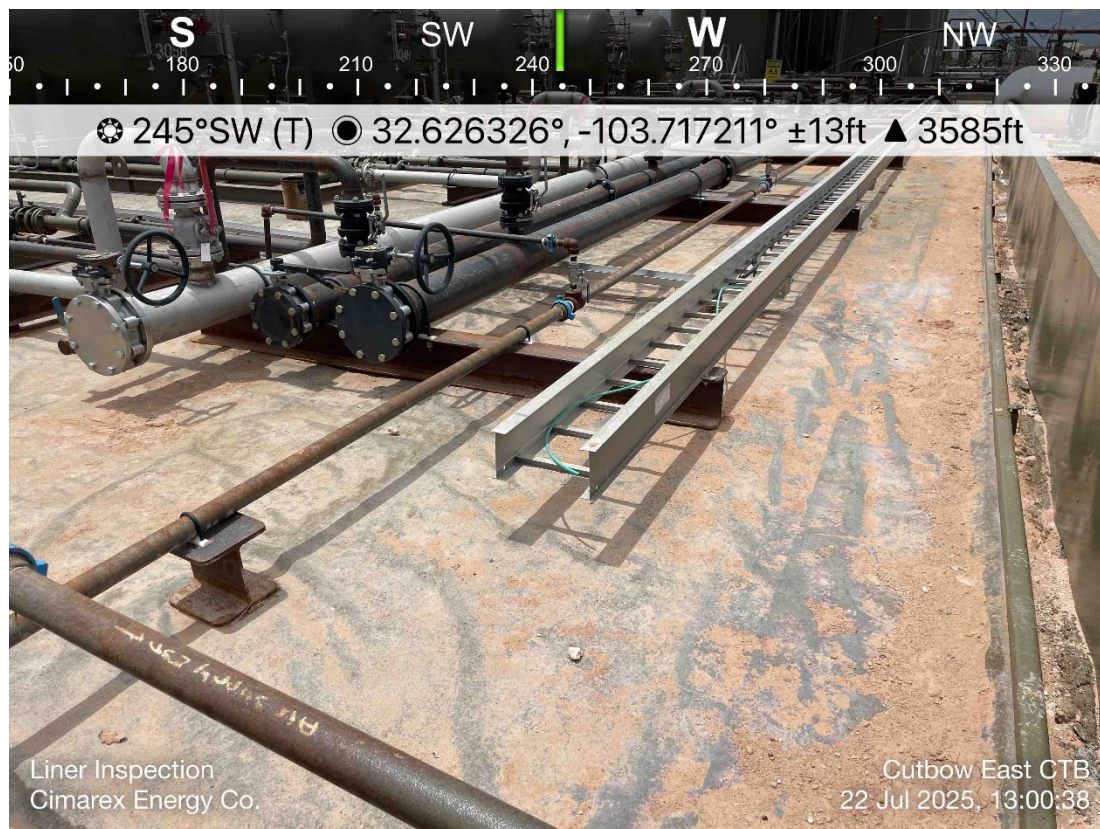


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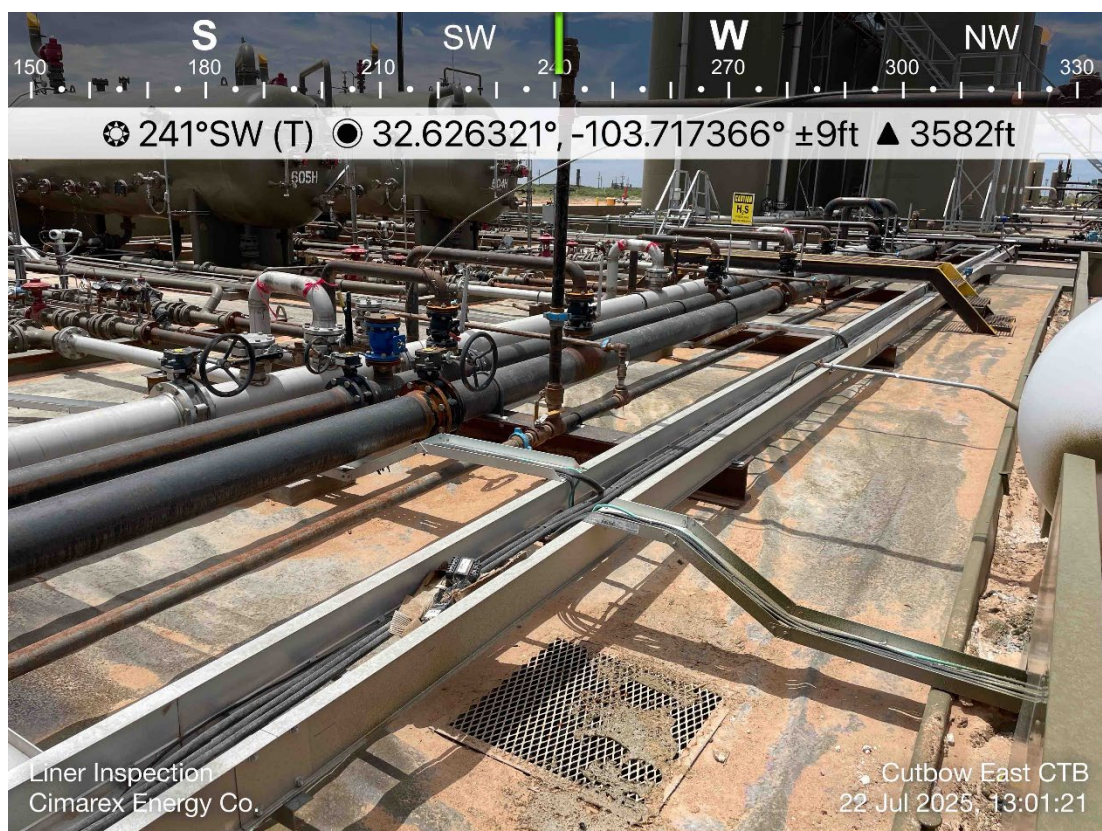
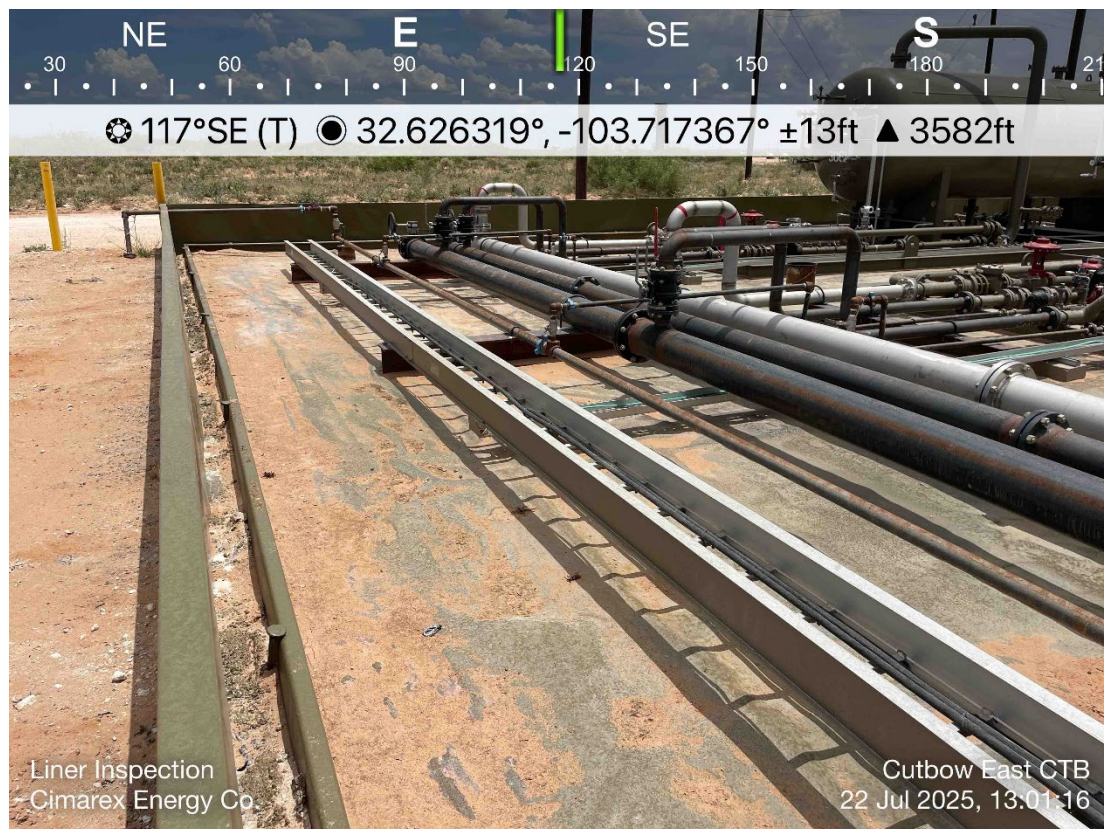


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CUTBOW EAST CTB (01.01.2025)
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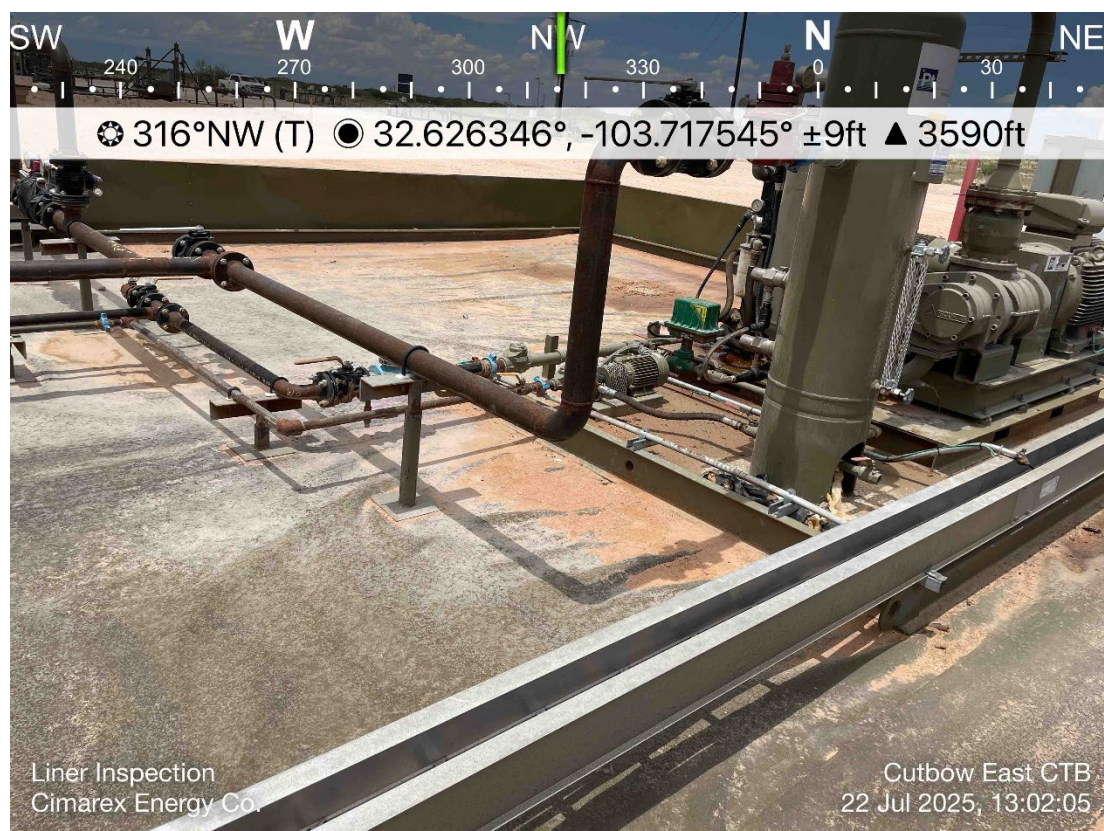


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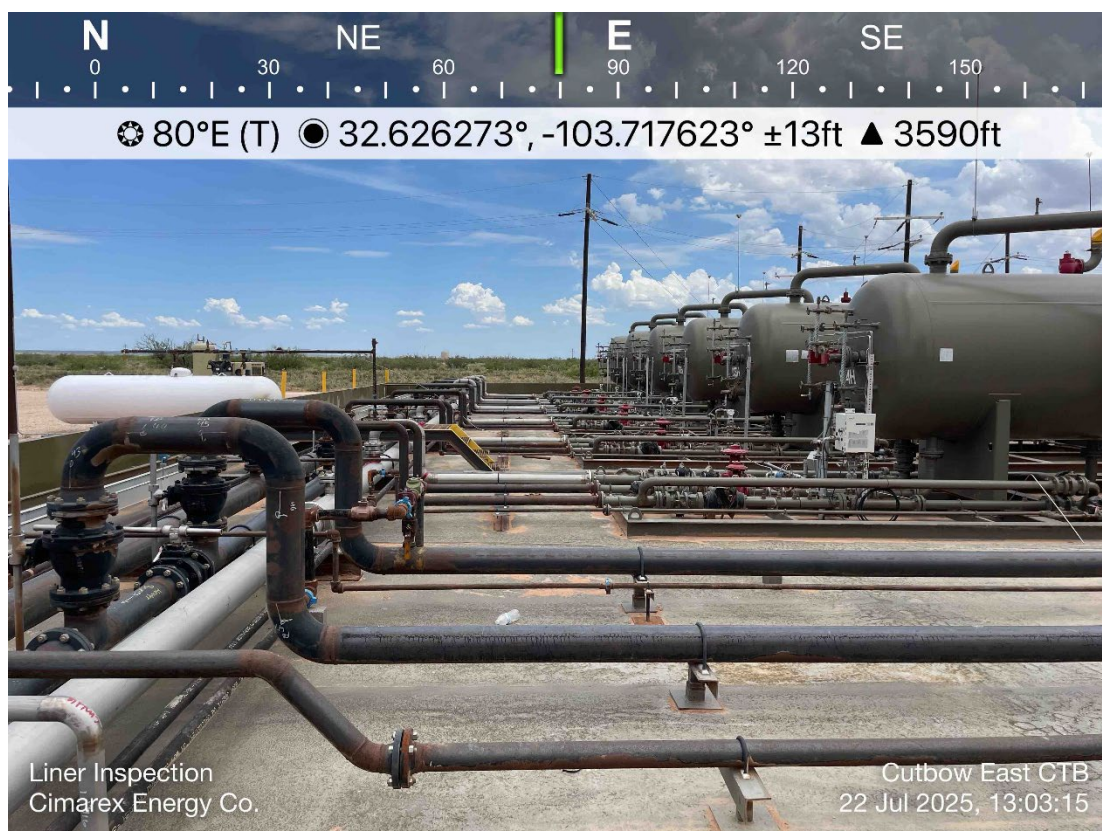
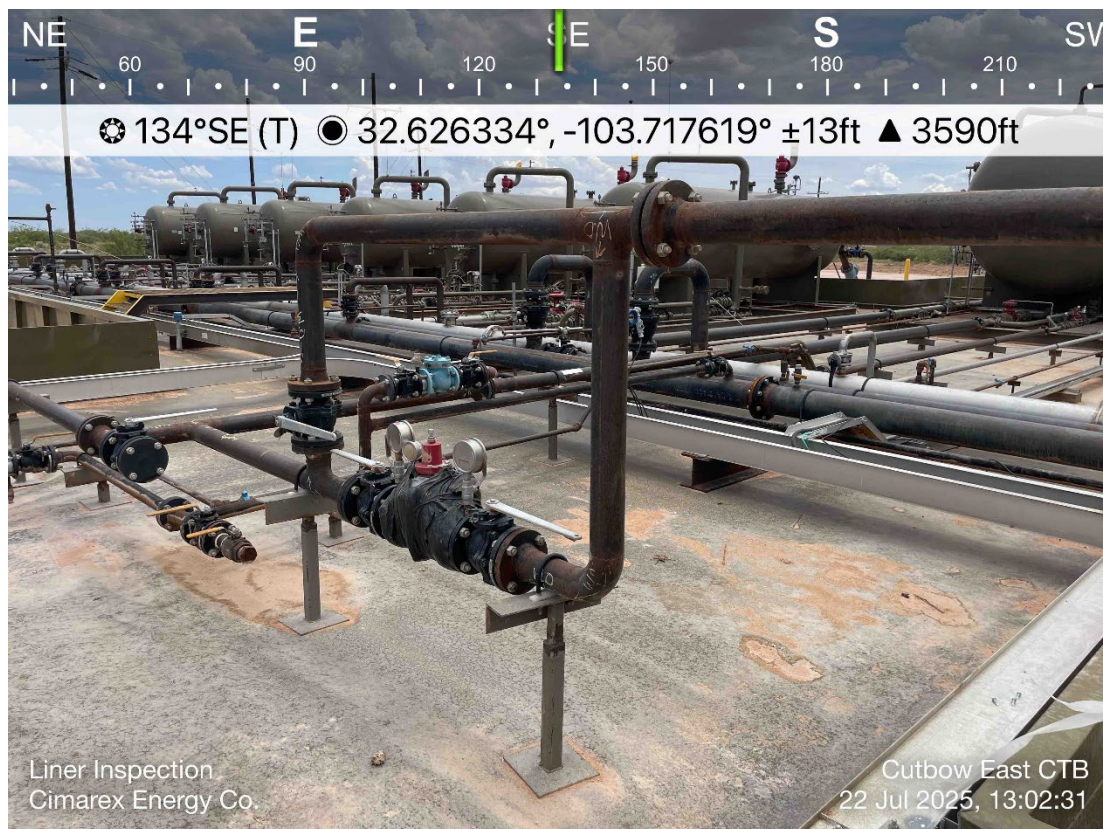


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CUTBOW EAST CTB (01.01.2025)
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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 487622

QUESTIONS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 487622
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2500253232
Incident Name	NAPP2500253232 CUTBOW EAST CTB @ 0
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2331147143] CUTBOW EAST CTB 1

Location of Release Source

Please answer all the questions in this group.

Site Name	Cutbow East CTB
Date Release Discovered	01/01/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Equipment Failure Gasket Crude Oil Released: 18 BBL Recovered: 0 BBL Lost: 18 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Liquids released from heater treater gasket "misted" the surface soil, approximately 50 feet. Soil scraped, removed; new material will be brought in.

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QUESTIONS, Page 2

Action 487622

QUESTIONS (continued)

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 487622
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 07/22/2025
--	--

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QUESTIONS, Page 3

Action 487622

QUESTIONS (continued)

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID:
	330396
	Action Number:
	487622
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	288
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	83.4
GRO+DRO (EPA SW-846 Method 8015M)	83.4
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	06/24/2025
On what date will (or did) the final sampling or liner inspection occur	06/27/2025
On what date will (or was) the remediation complete(d)	07/03/2025
What is the estimated surface area (in square feet) that will be reclaimed	19500
What is the estimated volume (in cubic yards) that will be reclaimed	1450
What is the estimated surface area (in square feet) that will be remediated	26616
What is the estimated volume (in cubic yards) that will be remediated	2632
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 487622

QUESTIONS (continued)

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 487622
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 07/22/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 487622

QUESTIONS (continued)

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 487622
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 487622

QUESTIONS (continued)

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 487622
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	481371
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/07/2025
What was the (estimated) number of samples that were to be gathered	125
What was the sampling surface area in square feet	37900

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	26616
What was the total volume (cubic yards) remediated	2632
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	19500
What was the total volume (in cubic yards) reclaimed	1450
Summarize any additional remediation activities not included by answers (above)	All impacted soil was removed from the site. Following the excavation, composite confirmation floor samples and horizontal delineation samples were collected to ensure all impact was removed. The area was backfilled with clean material. The remediated areas in the pasture were then reclaimed and reseeded.
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 07/22/2025

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QUESTIONS, Page 7

Action 487622

QUESTIONS (continued)

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	Action Number: 487622
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 487622

CONDITIONS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 487622
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation closure approved. Note that for future releases at this site, the minimum distance to the following should be updated: a continuously flowing watercourse or any other significant watercourse is 1000 ft-1/2 mile to NE is an aqueduct, as shown on Figure 2 of report.	7/24/2025