



SITE INFORMATION

Closure Report
Wigeon 23-26 Federal Com #004H (04.29.2025)
Incident ID: NAPP2511930904
Eddy County, New Mexico
Unit B Sec 23 T25S R26E
32.12041°, -104.25973°

Point of Release: Equipment failure
Release Date: 04.29.2025
Volume Released: 174 Barrels of Produced Water
Volume Recovered: 20 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Cimarex Energy Co.
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Prepared by:
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November 12, 2025

Mike Bratcher
District Supervisor
Oil Conservation /Division, District 2
811 S. First Street
Artesia, New Mexico 88210

Re: Closure Report
Wigeon 23-26 Federal Com #004H (04.29.2025)
Incident ID: NAPP2511930904
Cimarex Energy Co.
Site Location: Unit B, S23, T25S, R26E
(Lat 32.12041°, Long -104.25973°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Cimarex Energy Co. (Cimarex), Carmona Resources, LLC has prepared this letter to document site assessment and remediation activities for the Wigeon 23-26 Federal Com #004H release. The site is located at 32.12041°, -104.25973° within Unit B, S23, T25S, R26E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on April 29, 2025, due to equipment failure. It resulted in approximately one hundred and seventy-four (174) barrels of produced water released with approximately twenty (20) barrels of produced water recovered. The spill boundaries are shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a high 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 water source is approximately 0.92 miles Southeast of the site in S26, T25S, R26E and was last gauged in 1998. The well has a reported depth to groundwater of 10.43 feet below the ground surface (ft bgs). A copy of the summary report 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: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg.



4.0 Site Assessment Activities

Initial Assessment

On May 13, 2025, Carmona Resources personnel performed site assessment activities to evaluate soil impacts stemming from the release. A total of five (5) trench samples (T-1 through T-5) and nine (9) horizontal samples (H-1 through H-9) were installed to total depths ranging from surface to 5.0' bgs surrounding the release area. 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 Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and Chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Vertical Delineation

Vertical delineation was achieved in all borehole samples for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1.

Horizontal Delineation

Horizontal delineation was not fully achieved in all horizontal samples for total TPH and Chloride concentrations. Additional excavation was conducted in the areas of H-1, H-2, and H-9 to remove all impacted soil onsite. Refer to Table 1 and the subsequent *5.0 Remediation Activities* section of the report.

5.0 Remediation Activities

Remediation Activities

Between May 27, 2025, through October 24, 2025, Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on May 23, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of T-1 was excavated to a depth of 1.0' bgs. The area of T-2 was excavated to a depth of 4.5' bgs. The areas of T-3 and T-4 were excavated to a depth ranging from 2.0' - 2.25' bgs. The area of T-5 was excavated to a depth of 4.5' bgs. A total of fifty-eight (58) confirmation floor samples were collected (CS-1 through CS-58), and thirty-seven (37) sidewall samples (SW-1 through SW-37) 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 4C.

All final confirmation samples were below the regulatory requirements for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 2.

Post Deferral Excavation Activities

Following the completion of the initial excavation and backfill activities, a few areas within the area of concern were identified for deferral until Plugging and Abandonment take place. These deferred locations were denied by the NMOCD due to the site characterization having shallow groundwater and high karst. Cimarex removed the equipment and containment, and the areas were excavated to address residual contamination that was previously located directly under facility equipment and containment.



Post-deferral excavation activities were carried out between October 15, 2025, and October 24, 2025. The newly excavated areas coincide with previous composite sidewall (SW-#) samples in the same area. See figures 4B & 5 for comparison:

- The previously deferred sample SW-6 is now represented by SW-10.
- The previously deferred sample SW-8 is now represented by SW-11.
- The previously deferred sample SW-2 is now represented by SW-18.
- The previously deferred sample SW-5 is now represented by SW-20.
- The previously deferred sample SW-11 is now represented by SW-22.
- The previously deferred sample SW-10 is now represented by SW-25.

Excavation depths ranged from 1.0' to 2.0' bgs. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on October 13, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of eight (8) additional confirmation floor samples were collected (CS-1 through CS-8), and eleven (11) additional confirmation sidewall samples (SW-1 through SW-11) were collected every 200 square feet to ensure the proper removal of the contaminated soils. For chemical analysis, the soil samples were collected and placed into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico, in accordance with established chain-of-custody protocols. The samples were analyzed for Chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documentation, are included in Appendix E. See Figure 5 for post deferral excavation map.

All final confirmation samples were below the regulatory requirements for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 3.

Once all remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 7,564 total square feet of contamination was remediated, resulting in approximately 670 total cubic yards of material excavated and transported offsite for proper disposal. Final backfill operations were completed on October 17, 2025. A composite sample from the Fred Beard Backfill Pit, located at 32.161928°, -104.316363°, was collected for laboratory analysis on June 5, 2025, and October 17, 2025, before being utilized. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 2 and 3.

6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. Cimarex formally requests the closure of this incident. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-8988.

Sincerely,

Carmona Resources, LLC

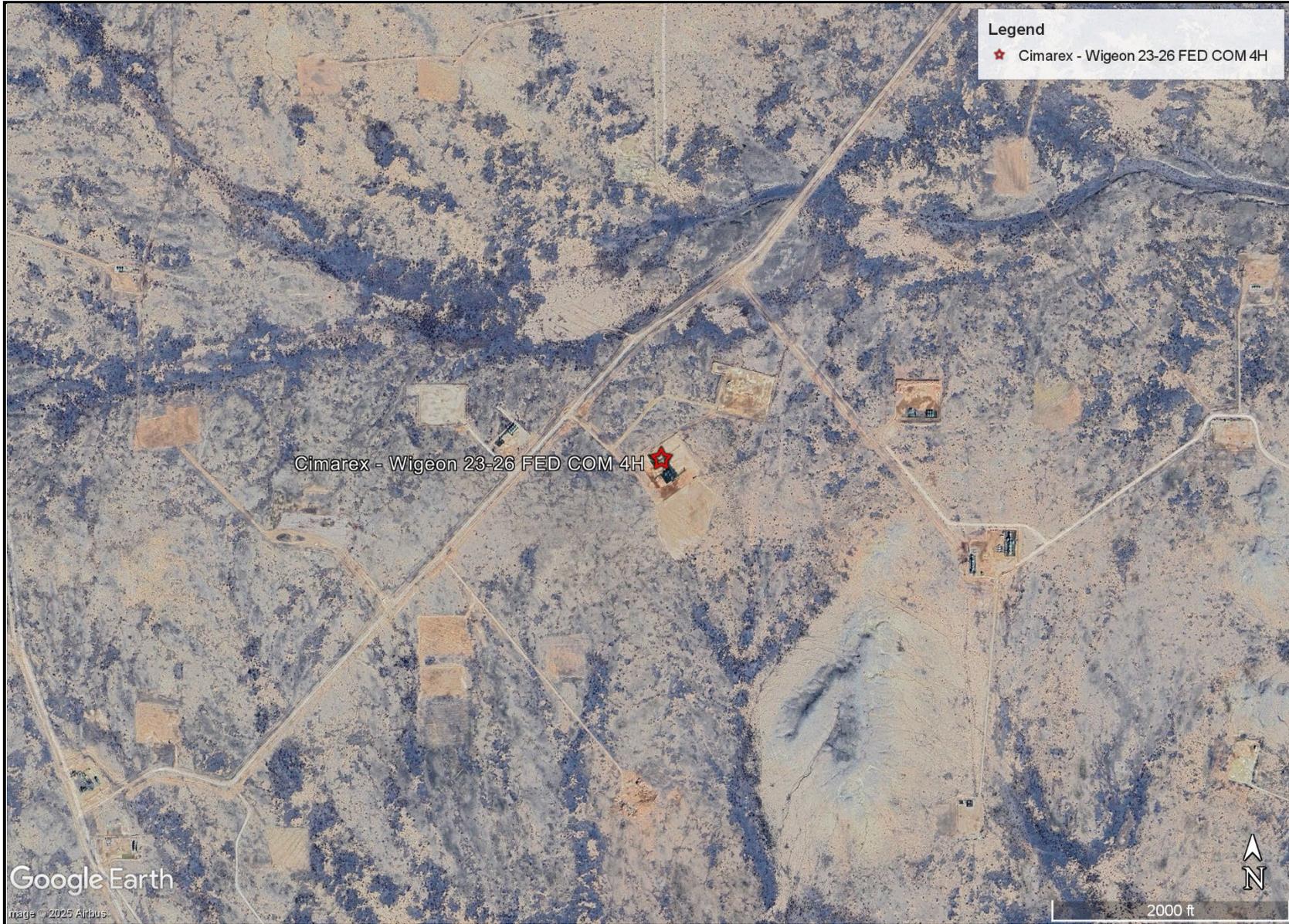
Ashton Thielke
Environmental Manager

Riley Plogger
Project Manager

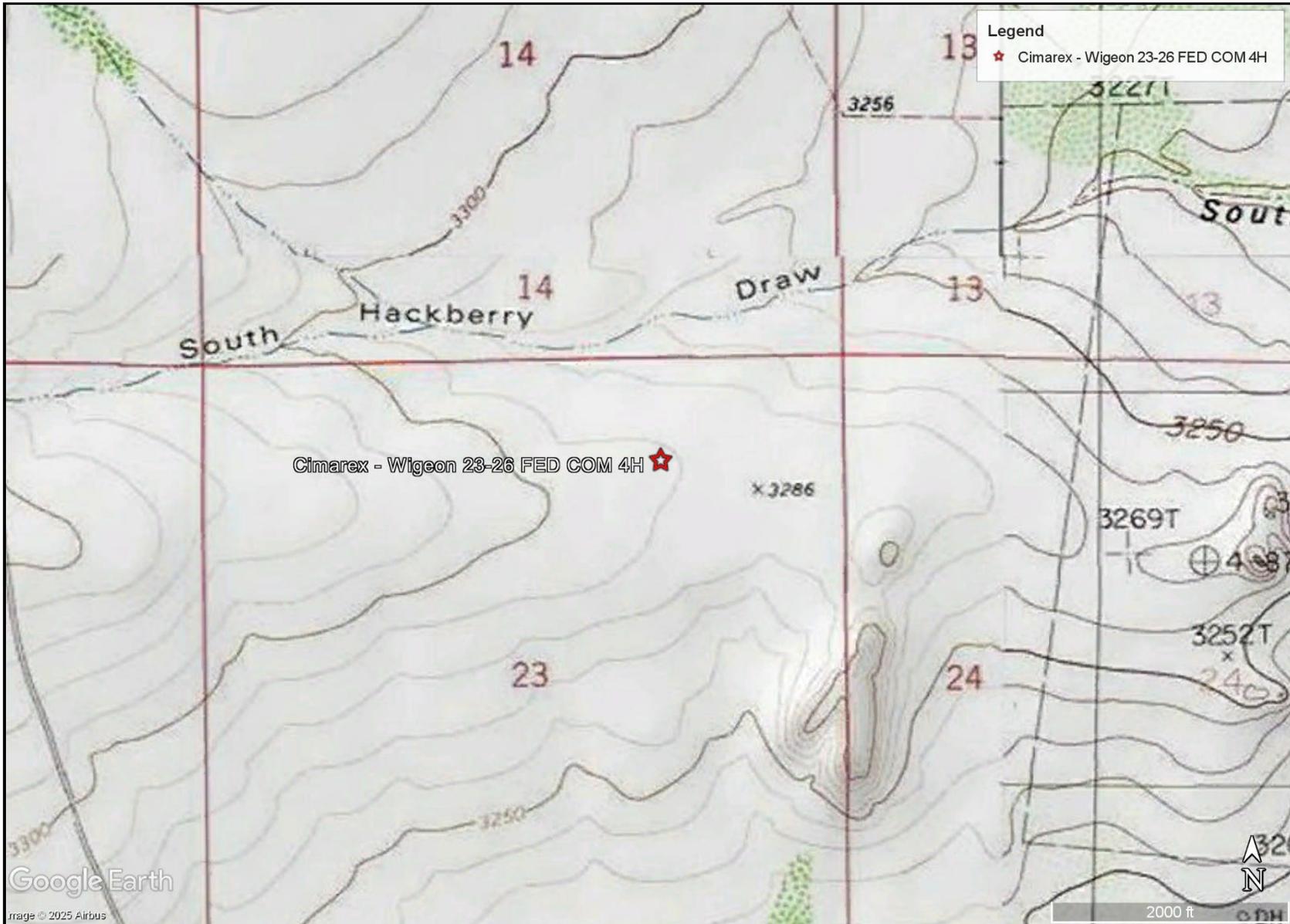
FIGURES

CARMONA RESOURCES

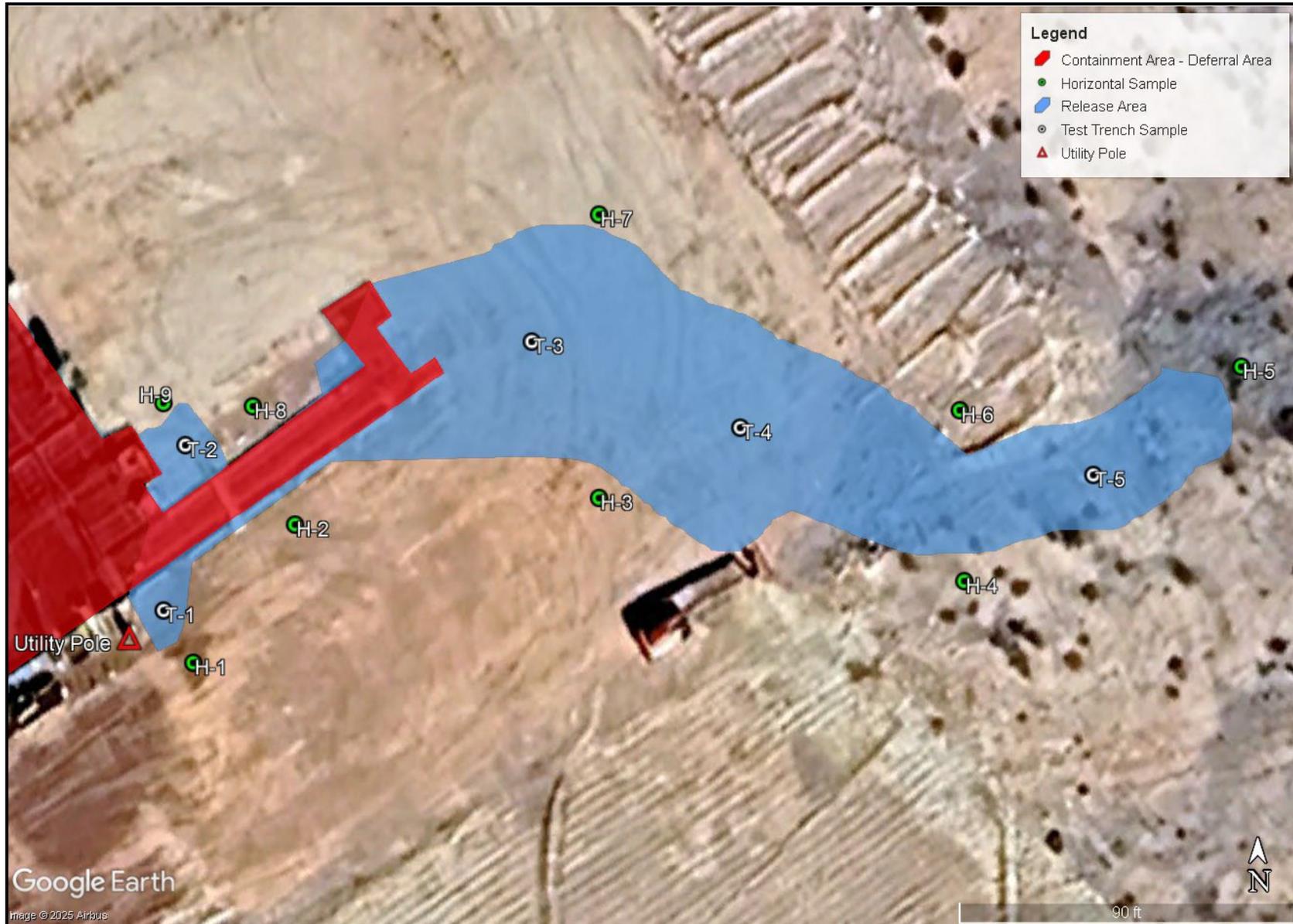




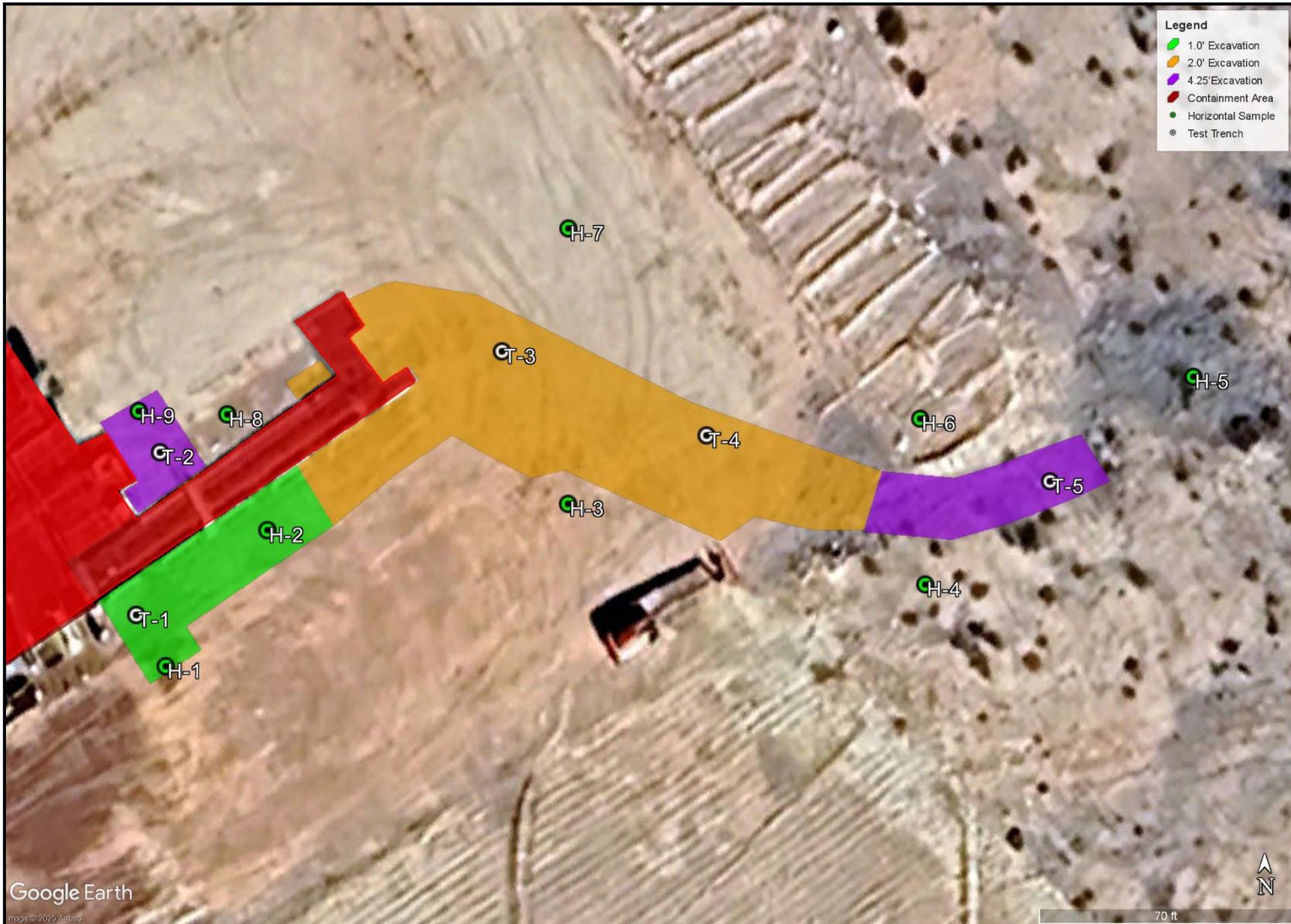
<p>OVERVIEW MAP CIMAREX ENERGY CO. WIGEON 23-26 FEDERAL COM 4H EDDY COUNTY, NEW MEXICO 32.12041°, -104.25973°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 1</p>
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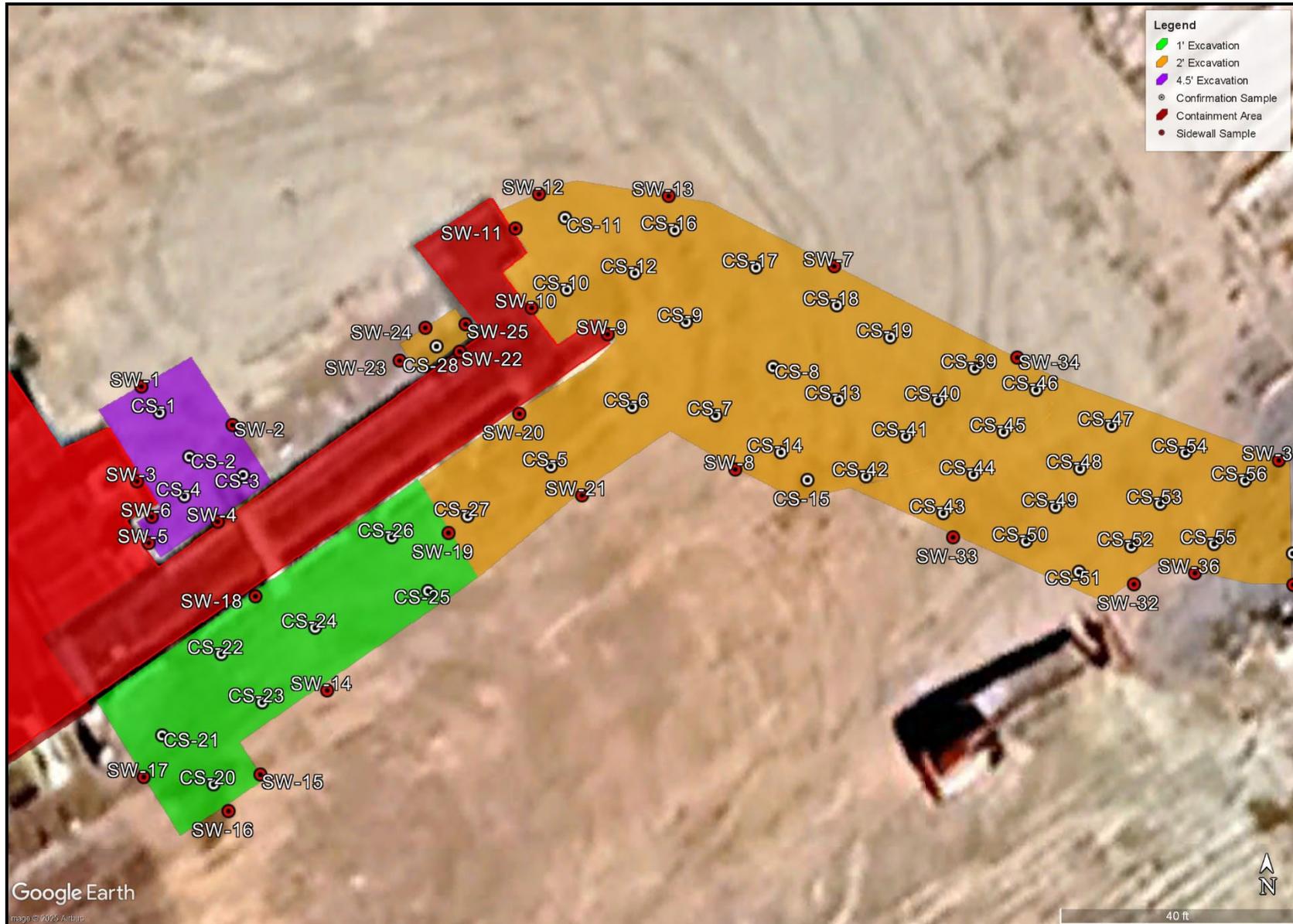
<p>TOPOGRAPHIC MAP CIMAREX ENERGY CO. WIGEON 23-26 FEDERAL COM 4H EDDY COUNTY, NEW MEXICO 32.12041°, -104.25973°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 2</p>
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<p>SAMPLE LOCATION MAP CIMAREX ENERGY CO. WIGEON 23-26 FEDERAL COM 4H EDDY COUNTY, NEW MEXICO 32.12041°, -104.25973°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 3</p>
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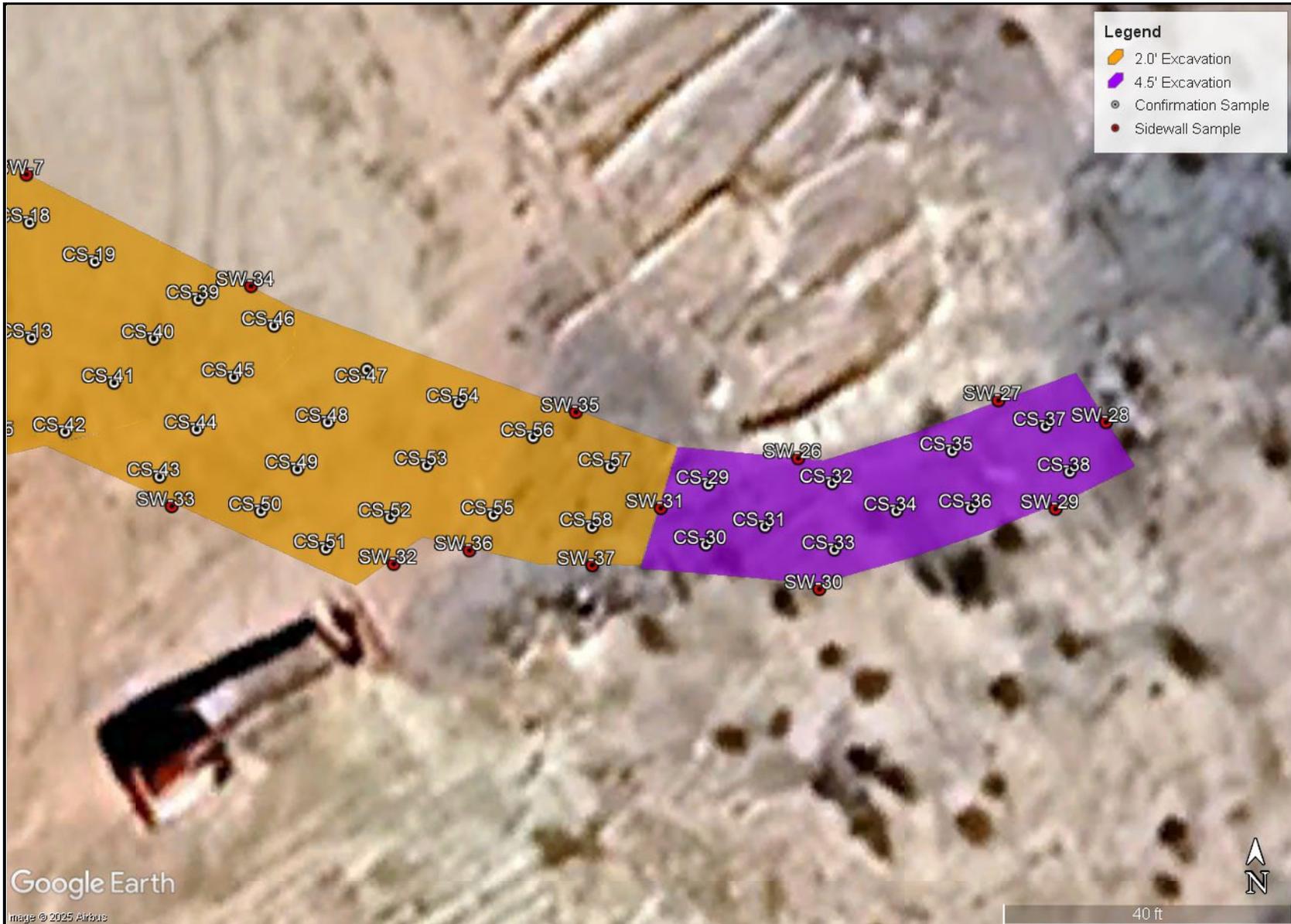
<p>EXCAVATION DEPTH MAP CIMAREX ENERGY CO. WIGEON 23-26 FEDERAL COM 4H EDDY COUNTY, NEW MEXICO 32.12041°, -104.25973°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4A</p>
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EXCAVATION DEPTH MAP
CIMAREX ENERGY CO.
WIGEON 23-26 FEDERAL COM 4H
EDDY COUNTY, NEW MEXICO
32.12041°, -104.25973°



FIGURE 4B



<p>EXCAVATION DEPTH MAP CIMAREX ENERGY CO. WIGEON 23-26 FEDERAL COM 4H EDDY COUNTY, NEW MEXICO 32.12041°, -104.25973°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4C</p>
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<p>POST DEFERRAL EXCAVATION MAP CIMAREX ENERGY CO. WIGEON 23-26 FEDERAL COM 4H EDDY COUNTY, NEW MEXICO 32.12041°, -104.25973°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 5</p>
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APPENDIX A

CARMONA RESOURCES



Table 1
Cimarex Energy Co.
Wigeon 23-26 Federal Com 4H
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
T-1	5/13/2025	0-1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
	"	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
T-2	5/13/2025	0-1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,800
	"	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	656
	"	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
	"	3.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
	"	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,080
	"	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
T-3	5/13/2025	0-1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,800
	"	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	816
	"	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
T-4	5/13/2025	0-1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,720
	"	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,250
	"	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	"	3.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
	"	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
T-5	5/13/2025	0-1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,800
	"	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,100
	"	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,490
	"	3.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,840
	"	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,720
	"	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
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
 T - Trench Sample
 Removed

Table 1
Cimarex Energy Co.
Wigeon 23-26 Federal Com 4H
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	5/13/2025	0-0.5'	<10.0	500	254	754	<0.050	<0.050	<0.050	<0.150	<0.300	112
H-2	5/13/2025	0-0.5'	<10.0	407	213	720	<0.050	<0.050	<0.050	<0.150	<0.300	128
H-3	5/13/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
H-4	5/13/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
H-5	5/13/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
H-6	5/13/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
H-7	5/13/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
H-8	5/13/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
H-9	5/13/2025	0-0.5'	<10.0	19.8	<10.0	19.8	<0.050	<0.050	<0.050	<0.150	<0.300	608
<i>Regulatory Criteria^A</i>						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
 Removed

Table 2
Cimarex Energy Co.
Wigeon 23-26 Federal Com 4H
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	5/29/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-2	5/29/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-3	5/29/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
CS-4	5/29/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-5	5/30/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-6	5/30/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-7	5/30/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-8	5/30/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-9	5/30/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-10	5/30/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-11	5/30/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-12	5/30/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560
CS-13	5/30/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,560
	6/5/2025	2.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-14	5/30/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,150
	6/5/2025	2.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-15	5/30/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-16	5/30/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,200
	6/5/2025	2.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-17	5/30/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,080
	6/5/2025	2.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
<i>Regulatory Criteria^A</i>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

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

Table 2
Cimarex Energy Co.
Wigeon 23-26 Federal Com 4H
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-18	5/30/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-19	5/30/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-20	6/2/2025	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-21	6/2/2025	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-22	6/2/2025	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-23	6/2/2025	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-24	6/2/2025	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-25	6/2/2025	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-26	6/2/2025	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-27	6/2/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-28	6/2/2025	2.0'	<10.0	14.9	11.2	26.1	<0.050	<0.050	<0.050	<0.150	<0.300	304
CS-29	6/3/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-30	6/3/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-31	6/3/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-32	6/3/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-33	6/3/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-34	6/3/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-35	6/3/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-36	6/3/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-37	6/3/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
<i>Regulatory Criteria^A</i>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

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

Table 2
Cimarex Energy Co.
Wigeon 23-26 Federal Com 4H
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-38	6/3/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-39	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-40	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-41	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-42	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-43	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-44	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-45	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-46	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-47	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-48	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-49	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-50	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-51	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-52	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-53	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-54	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-55	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-56	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-57	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-58	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
<i>Regulatory Criteria^A</i>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

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

Table 2
Cimarex Energy Co.
Wigeon 23-26 Federal Com 4H
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	5/29/2025	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-2	5/29/2025	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-3	5/29/2025	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
SW-4	5/29/2025	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-5	5/29/2025	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-6	5/29/2025	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-7	5/30/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-8	5/30/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-9	5/30/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-10	5/30/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	800
SW-11	5/30/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	848
SW-12	5/30/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-13	5/30/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
SW-14	6/2/2025	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
SW-15	6/2/2025	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-16	6/2/2025	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-17	6/2/2025	1.0'	<10.0	27.0	<10.0	27.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
SW-18	6/2/2025	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,600
SW-19	6/2/2025	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
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

 Originally Deferred Areas (Impact Removed During October 2025 Remediation Activities)

Table 2
Cimarex Energy Co.
Wigeon 23-26 Federal Com 4H
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-20	6/2/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,600
SW-21	6/2/2025	2.0'	<10.0	11.1	<10.0	11.1	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-22	6/2/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	944
SW-23	6/2/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-24	6/2/2025	2.0'	<10.0	21.4	<10.0	21.4	<0.050	<0.050	<0.050	<0.150	<0.300	320
SW-25	6/2/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	864
SW-26	6/3/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-27	6/3/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
SW-28	6/3/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-29	6/3/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
SW-30	6/3/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-31	6/3/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
SW-32	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-33	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-34	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
SW-35	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-36	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
SW-37	6/6/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
Backfill	6/5/2025	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
Regulatory Criteria^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) - Sidewall Sample

Originally Deferred Areas (Impact Removed During October 2025 Remediation Activities)

Table 3
Post Deferral Excavation
Cimarex Energy Co.
Wigeon 23-26 Federal Com 4H
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	10/17/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-2	10/17/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-3	10/17/2025	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-4	10/17/2025	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-5	10/17/2025	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-6	10/17/2025	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-7	10/17/2025	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
CS-8	10/17/2025	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
<i>Regulatory Criteria^A</i>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

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

**Table 3
Post Deferral Excavation
Cimarex Energy Co.
Wigeon 23-26 Federal Com 4H
Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	10/17/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-2	10/17/2025	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-3	10/17/2025	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-4	10/17/2025	1.0-2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
SW-5	10/17/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-6	10/17/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-7	10/17/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-8	10/17/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
SW-9	10/17/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-10	10/17/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-11	10/17/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
Backfill Sample	10/17/2025	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
<i>Regulatory Criteria</i> ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

^A – Table 1 - 19.15.29 NMAC
 mg/kg - milligram per kilogram
 TPH - Total Petroleum Hydrocarbons
 ft - feet
 (SW) - Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Cimarex Energy Co.

Photograph No. 1

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:
View Southwest, area of CS-1 through CS-4.

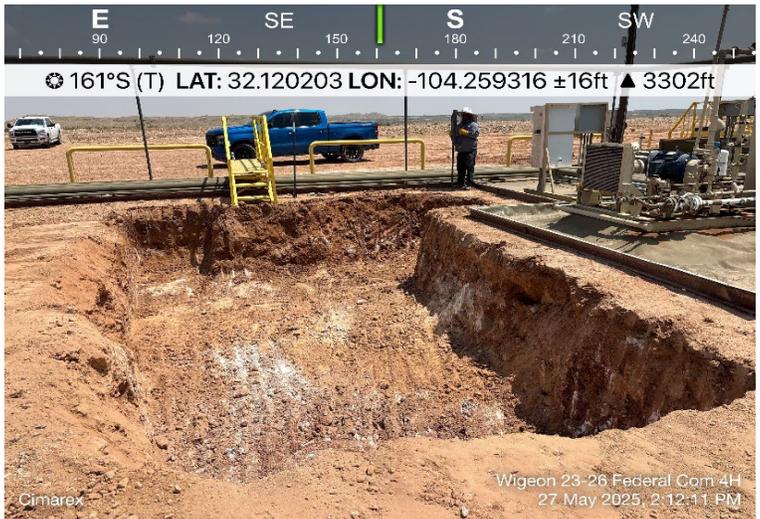


Photograph No. 2

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:
View South, area of CS-1 through CS-4.



Photograph No. 3

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:
View Southwest, area of CS-28.



PHOTOGRAPHIC LOG

Cimarex Energy Co.

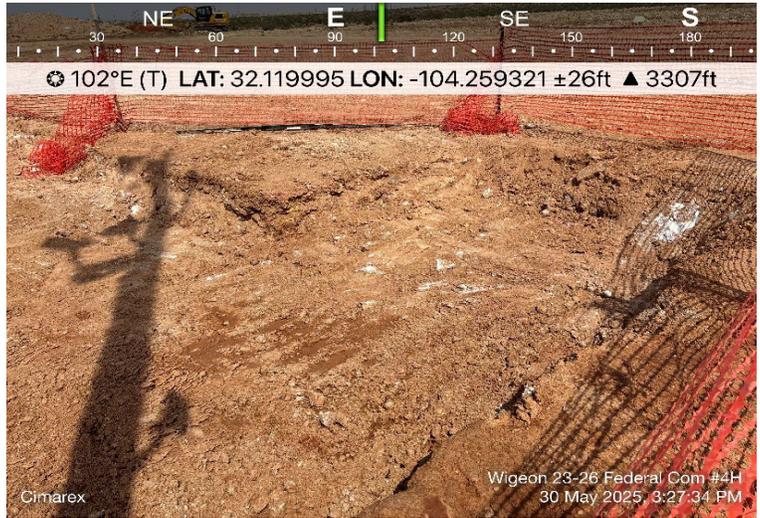
Photograph No. 4

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:

View East, area of CS-21 and CS-22.



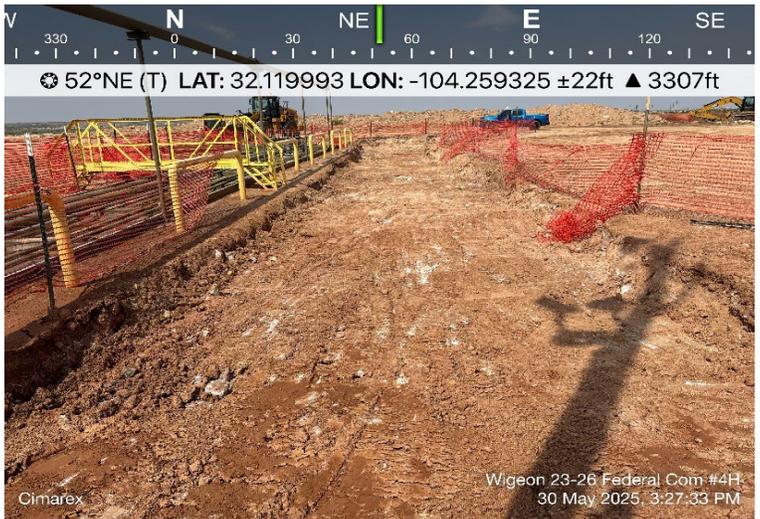
Photograph No. 5

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:

View Northeast, area of CS-21 through CS-26.



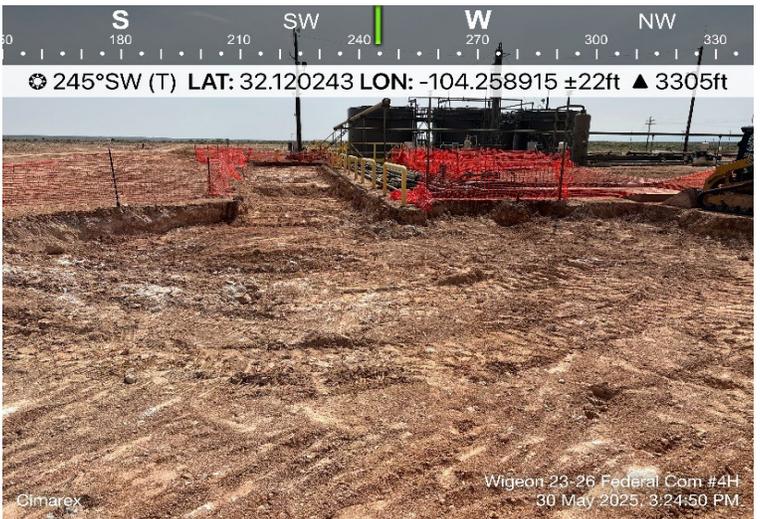
Photograph No. 6

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:

View Southwest, area of CS-27 and CS-5 through CS-19.



PHOTOGRAPHIC LOG

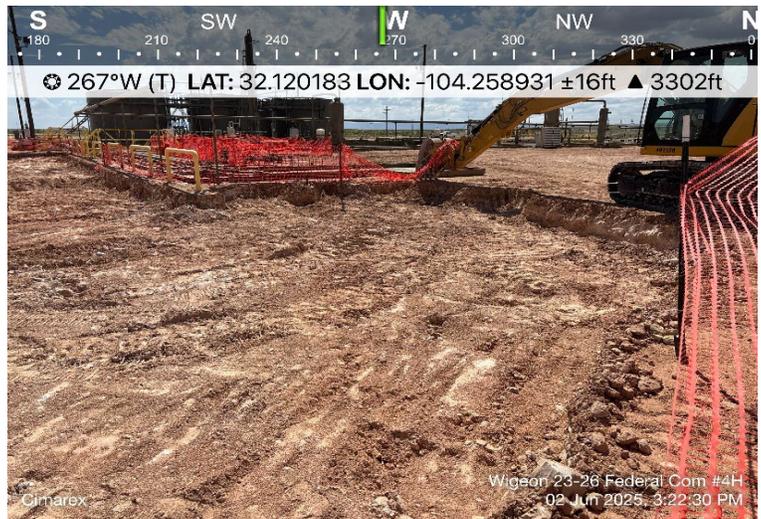
Cimarex Energy Co.

Photograph No. 7

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:
View West, area of CS-5 through CS-12, CS-16, and CS-17.



Photograph No. 8

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:
View Southeast, area of CS-17 through CS-19 and CS-39 through CS-58.



Photograph No. 9

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:
View West, area of CS-39 through CS-58.



PHOTOGRAPHIC LOG

Cimarex Energy Co.

Photograph No. 10

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:
View Northeast, area of CS-29 and CS-38.



Photograph No. 11

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:
View West, area of CS-29 and CS-38.

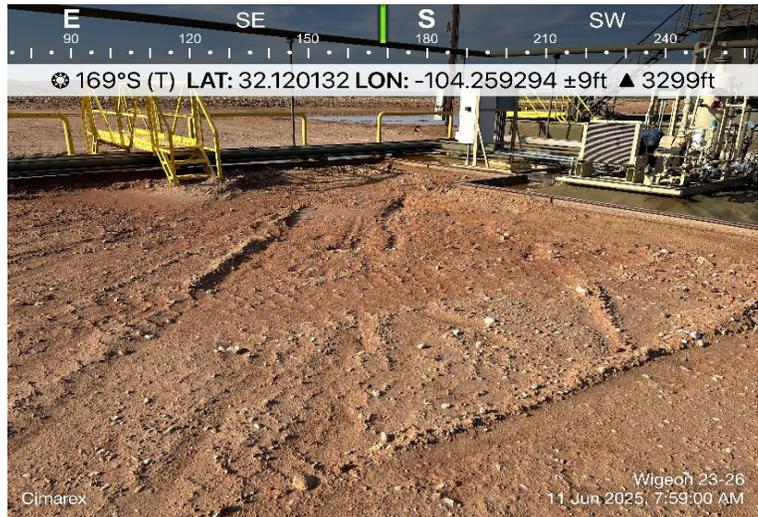


Photograph No. 12

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:
View South, backfilled area of T-2 and H-9.



PHOTOGRAPHIC LOG

Cimarex Energy Co.

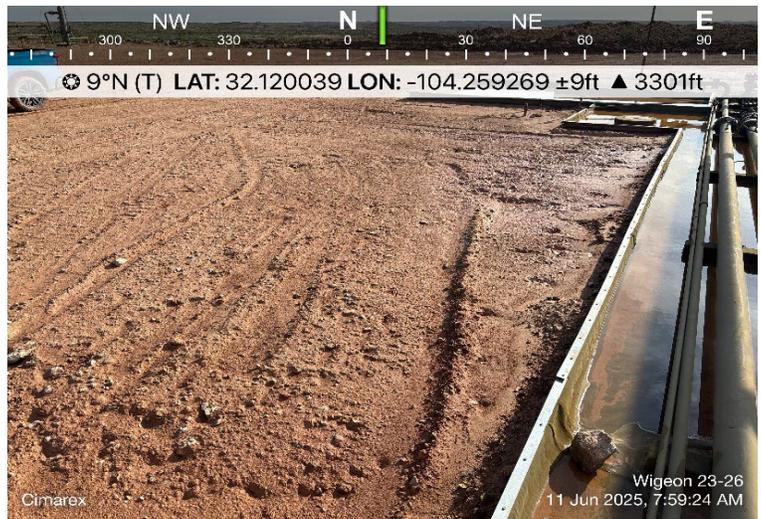
Photograph No. 13

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:

View North, backfilled area of CS-28.



Photograph No. 14

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:

View Northwest, backfilled area of T-1, H-1, and H-2.



Photograph No. 15

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:

View Southeast, backfilled area of T-3 and T-4.



PHOTOGRAPHIC LOG

Cimarex Energy Co.

Photograph No. 16

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:
View West of equipment removed.



Photograph No. 17

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:
View East of equipment removed.



Photograph No. 18

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:
View East of equipment removed.



PHOTOGRAPHIC LOG

Cimarex Energy Co.

Photograph No. 19

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:

View Southeast of equipment removed.



Photograph No. 20

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:

View South of equipment removed.



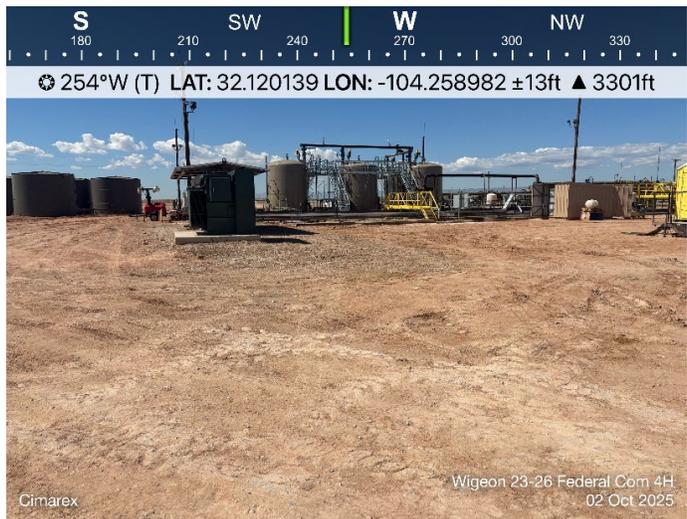
Photograph No. 21

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:

View West of equipment removed.



PHOTOGRAPHIC LOG

Cimarex Energy Co.

Photograph No. 22

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:
View Southwest of post deferral excavation area of CS-1 and CS-2.

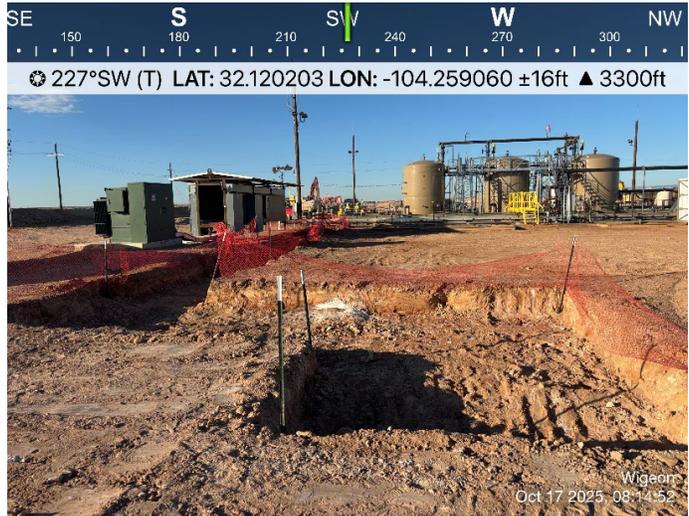


Photograph No. 23

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:
View Southwest of post deferral excavation area of CS-3 through CS-8.



Photograph No. 24

Facility: Wigeon 23-26 Federal Com 4H
(04.29.2025)

County: Eddy County, New Mexico

Description:
View West of backfilled area of post deferral area.



APPENDIX C

CARMONA RESOURCES



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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 456531

QUESTIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 456531
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Wigeon 23-26 Fed Com 4H
Date Release Discovered	04/29/2025
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water 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	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Other (Specify) Produced Water Released: 174 BBL Recovered: 20 BBL Lost: 154 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 456531

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 456531
	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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<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	A vac truck was sent out to recover what we could.

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

ACKNOWLEDGMENTS

Action 456531

ACKNOWLEDGMENTS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 456531
	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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 456531

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 456531
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
nrose	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	4/29/2025

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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**

QUESTIONS

Action 466919

QUESTIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 466919
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511930904
Incident Name	NAPP2511930904 WIGEON 23-26 FED COM 4H @ 0
Incident Type	Produced Water Release
Incident Status	Notification Accepted

Location of Release Source	
Site Name	Wigeon 23-26 Fed Com 4H
Date Release Discovered	04/29/2025
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	8,000
What is the estimated number of samples that will be gathered	55
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/29/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources - 432-813-8988 Deferral sidewall samples will be collected along the containment walls to document areas where we are going to defer until P/A activities. Will sample from 05.29.2025 and continue sampling until 06.06.2025, excluding sampling on the weekend.
Please provide any information necessary for navigation to sampling site	32.120025°, -104.259180°

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oecd/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 466919

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 466919
	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.	5/23/2025

OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	514651	Districts:	Artesia
Operator:	[162683] CIMAREX ENERGY CO. OF COLORADO	Counties:	Eddy
Description:	CIMAREX ENERGY CO. OF COLORADO [162683] , WIGEON 23-26 FED COM 4H , nAPP2511930904		
Status:	Approved		
Status Date:	10/13/2025		
References (0):			

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2511930904
Incident Name	NAPP2511930904 WIGEON 23-26 FED COM 4H @ 30-015-43760
Incident Type	Produced Water Release
Incident Status	Notification Accepted
Incident Well	[30-015-43760] WIGEON 23 26 FEDERAL COM #004H

Location of Release Source

Site Name	WIGEON 23-26 FED COM 4H
Date Release Discovered	04/29/2025
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	1,250
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/17/2025
Time sampling will commence	08:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers

Carmona Resources (432-813-8988) will be onsite to collect confirmation samples from the area that was origi be deferred due to being located under a tank battery containment. The containment has since been removed can safely take place.

[Searches](#)

[Operator Data](#)

[Hearing Fee Application](#)

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary:

athielke (10/13/2025), 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.

athielke (10/13/2025), 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.

Reasons

No reasons found for this submission.

[Go Back](#)

APPENDIX D

CARMONA RESOURCES



Nearest water well

Cimarex Energy Co. of Colorado

Legend

-  0.50 Mile Radius
-  0.92 Miles
-  1.02 Miles
-  1.30 Miles
-  USGS Water Well
-  Wigeon 23-26 Fed Com 4H (04.29.2025)



Legend

-  High
-  Wigeon 23-26 Fed Com 4H (04.29.2025)

High Karst

Cimarex Energy Co. of Colorado

Wigeon 23-26 Fed Com 4H (04.29.2025)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 03654 POD1		CUB	ED	NE	SW	NW	24	25S	26E	570654.5	3553773.1	●	859			
C 02220		CUB	ED	SW	NW	NE	26	25S	26E	569598.0	3552352.0 *	●	1686	35		
C 03655 POD3		CUB	ED	NW	SE	SE	22	25S	26E	568458.2	3553019.0	●	1700			
C 04329 POD1		C	ED	NE	NE	NE	27	25S	26E	568576.6	3552567.2	●	1921	57	14	43
C 03569 POD1		CUB	ED	NE	NW	NW	14	25S	26E	568861.7	3555746.9	●	1978	30	0	30
C 01368		C	ED		NW	NW	22	25S	26E	567261.0	3554059.0 *	●	2571	143	118	25
C 02221		CUB	ED	SE	SW	NE	25	25S	26E	571412.0	3551961.0 *	●	2597	35		
C 01013		C	ED			SE	25	25S	26E	571505.0	3551456.0 *	●	3063	245		

Average Depth to Water: **44 feet**

Minimum Depth: **0 feet**

Maximum Depth: **118 feet**

Record Count: 8

UTM Filters (in meters):

Easting: 569831.78

Northing: 3554022.23

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.



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National Water Information System: Web Interface

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Data Category: Geographic Area:

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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320629104151301

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

USGS 320629104151301 25S.26E.26.22231

Eddy County, New Mexico
Latitude 32°06'29", Longitude 104°15'13" NAD27
Land-surface elevation 3,212 feet above NAVD88
The depth of the well is 16 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1983-02-01			D 62610		3195.46	NGVD29	1	Z		
1983-02-01			D 62611		3197.12	NAVD88	1	Z		
1983-02-01			D 72019	14.88			1	Z		
1987-10-08			D 62610		3198.45	NGVD29	1	Z		
1987-10-08			D 62611		3200.11	NAVD88	1	Z		
1987-10-08			D 72019	11.89			1	Z		
1992-11-04			D 62610		3199.71	NGVD29	1	S		
1992-11-04			D 62611		3201.37	NAVD88	1	S		
1992-11-04			D 72019	10.63			1	S		
1998-01-07			D 62610		3199.91	NGVD29	1	S		
1998-01-07			D 62611		3201.57	NAVD88	1	S		
1998-01-07			D 72019	10.43			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.

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Title: Groundwater for New Mexico: Water Levels

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



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

Page Last Modified: 2025-05-01 09:48:21 EDT

0.31 0.23 nadww02



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USGS Water Resources

Data Category: Geographic Area:

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Search Results -- 1 sites found

Agency code = usgs
 site_no list =

- 320627104160701

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

USGS 320627104160701 25S.26E.27.22200

Eddy County, New Mexico
 Latitude 32°06'27", Longitude 104°16'07" NAD27
 Land-surface elevation 3,239 feet above NAVD88
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.
 This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1983-02-01			D	62610	3221.16	NGVD29	1	Z		
1983-02-01			D	62611	3222.83	NAVD88	1	Z		
1983-02-01			D	72019	16.17		1	Z		
1987-10-08			D	62610	3224.30	NGVD29	1	Z		
1987-10-08			D	62611	3225.97	NAVD88	1	Z		
1987-10-08			D	72019	13.03		1	Z		
1992-11-19			D	62610	3224.02	NGVD29	P	S		
1992-11-19			D	62611	3225.69	NAVD88	P	S		
1992-11-19			D	72019	13.31		P	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

5/1/25, 8:51 AM

Section	Code	Description
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
Status	P	Pumping
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.

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Title: Groundwater for New Mexico: Water Levels

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



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

Page Last Modified: 2025-05-01 09:51:07 EDT

0.33 0.23 nadww02

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

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Groundwater levels for New Mexico

Click to hide state-specific text

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Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320738104140601

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320738104140601 25S.26E.13.42444 50

Eddy County, New Mexico

Latitude 32°07'33.5", Longitude 104°14'19.1" NAD83

Land-surface elevation 3,201.00 feet above NGVD29

The depth of the well is 26 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Castile Formation (312CSTL) 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 measur
1978-01-25			D 62610		3175.87	NGVD29	1		Z	
1978-01-25			D 62611		3177.53	NAVD88	1		Z	
1978-01-25			D 72019	25.13			1		Z	
1983-02-01			D 62610		3178.12	NGVD29	1		Z	
1983-02-01			D 62611		3179.78	NAVD88	1		Z	
1983-02-01			D 72019	22.88			1		Z	
1987-10-08			D 62610		3184.27	NGVD29	1		Z	
1987-10-08			D 62611		3185.93	NAVD88	1		Z	
1987-10-08			D 72019	16.73			1		Z	
1992-11-04			D 62610		3183.15	NGVD29	1		S	
1992-11-04			D 62611		3184.81	NAVD88	1		S	
1992-11-04			D 72019	17.85			1		S	
1998-01-07			D 62610		3181.91	NGVD29	1		S	
1998-01-07			D 62611		3183.57	NAVD88	1		S	
1998-01-07			D 72019	19.09			1		S	

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	
2003-02-10		D	62610	3179.20	NGVD29	1	S USGS
2003-02-10		D	62611	3180.86	NAVD88	1	S USGS
2003-02-10		D	72019	21.80		1	S USGS
2013-01-09 23:10 UTC		m	62610	3188.91	NGVD29	P	S USGS
2013-01-09 23:10 UTC		m	62611	3190.57	NAVD88	P	S USGS
2013-01-09 23:10 UTC		m	72019	12.09		P	S USGS
2018-02-01 20:30 UTC		m	62610	3194.85	NGVD29	1	S USGS
2018-02-01 20:30 UTC		m	62611	3196.51	NAVD88	1	S USGS
2018-02-01 20:30 UTC		m	72019	6.15		1	S USGS
2021-02-25 18:17 UTC		m	62610	3192.70	NGVD29	1	V USGS
2021-02-25 18:17 UTC		m	62611	3194.36	NAVD88	1	V USGS
2021-02-25 18:17 UTC		m	72019	8.30		1	V USGS
2022-01-12 23:04 UTC		m	62610	3192.69	NGVD29	1	V USGS
2022-01-12 23:04 UTC		m	62611	3194.35	NAVD88	1	V USGS
2022-01-12 23:04 UTC		m	72019	8.31		1	V USGS
2023-02-14 14:57 UTC		m	62610	3192.58	NGVD29	1	S USGS
2023-02-14 14:57 UTC		m	62611	3194.24	NAVD88	1	S USGS
2023-02-14 14:57 UTC		m	72019	8.42		1	S USGS
2024-03-01 17:12 UTC		m	62610	3191.63	NGVD29	1	S USGS
2024-03-01 17:12 UTC		m	62611	3193.29	NAVD88	1	S USGS
2024-03-01 17:12 UTC		m	72019	9.37		1	S USGS
2025-01-02 19:01 UTC		m	62610	3189.92	NGVD29	1	V USGS
2025-01-02 19:01 UTC		m	62611	3191.58	NAVD88	1	V USGS
2025-01-02 19:01 UTC		m	72019	11.08		1	V USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
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
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	V	Calibrated electric-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions or Comments](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

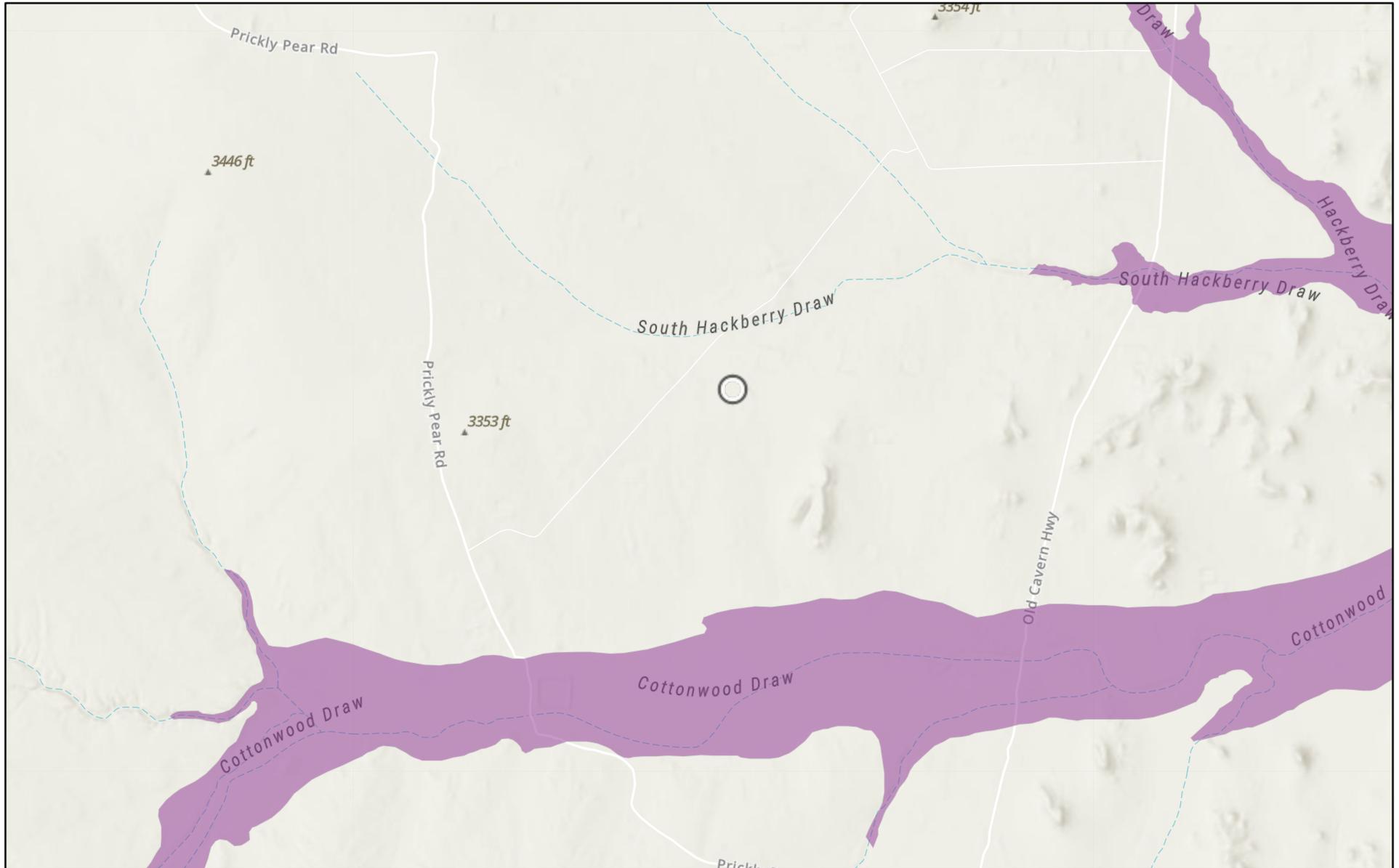
Date	Time	?	?	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	?
		Water-level date-time accuracy	Parameter code				S

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

Page Last Modified: 2025-05-01 09:50:13 EDT

0.3 0.22 nadww01

Wigeon 23-26 Fed Com 4H (04.29.2025)

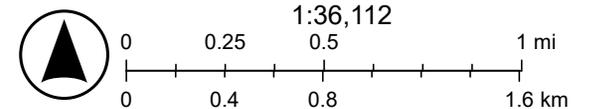


5/1/2025

USA Flood Hazard Areas

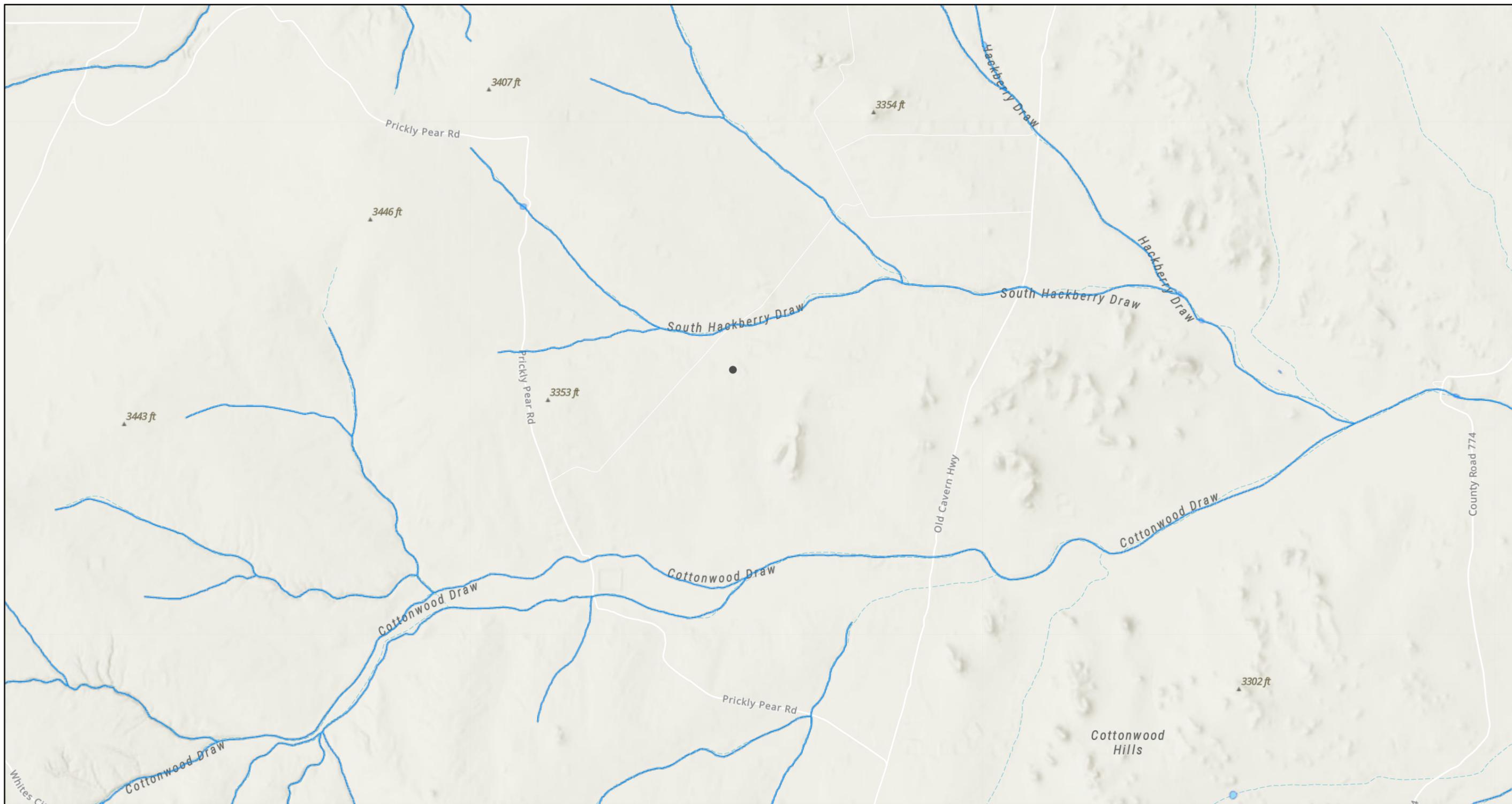
 1% Annual Chance Flood Hazard

World_Hillshade



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

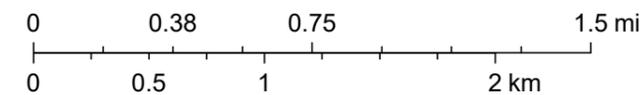
Wigeon 23-26 Fed Com 4H (04.29.2025)



5/1/2025, 8:36:00 AM

- OSW Water Bodies
- OSE Streams

1:36,112



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

APPENDIX E

CARMONA RESOURCES





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

May 19, 2025

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

RE: WIGEON 23 - 26 FEDERAL COM 4

Enclosed are the results of analyses for samples received by the laboratory on 05/13/25 16:42.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: T - 1 (0-1') (H252862-01)

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	05/15/2025	ND	2.16	108	2.00	1.63	
Toluene*	<0.050	0.050	05/15/2025	ND	2.22	111	2.00	1.41	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.17	109	2.00	1.21	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.40	107	6.00	1.35	
Total BTEX	<0.300	0.300	05/15/2025	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	160	16.0	05/14/2025	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	05/14/2025	ND	186	92.9	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	181	90.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane 83.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.7 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: T - 1 (1.5') (H252862-02)

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	05/15/2025	ND	2.16	108	2.00	1.63	
Toluene*	<0.050	0.050	05/15/2025	ND	2.22	111	2.00	1.41	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.17	109	2.00	1.21	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.40	107	6.00	1.35	
Total BTEX	<0.300	0.300	05/15/2025	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	192	16.0	05/14/2025	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	05/14/2025	ND	186	92.9	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	181	90.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane 78.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.3 % 40.6-153

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*=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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: T - 2 (0-1') (H252862-06)

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	05/15/2025	ND	2.16	108	2.00	1.63		
Toluene*	<0.050	0.050	05/15/2025	ND	2.22	111	2.00	1.41		
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.17	109	2.00	1.21		
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.40	107	6.00	1.35		
Total BTEX	<0.300	0.300	05/15/2025	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	2800	16.0	05/14/2025	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	05/14/2025	ND	186	92.9	200	2.24		
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	181	90.5	200	1.46		
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND						

Surrogate: 1-Chlorooctane 75.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.5 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: T - 2 (1.5') (H252862-07)

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	05/15/2025	ND	2.16	108	2.00	1.63		
Toluene*	<0.050	0.050	05/15/2025	ND	2.22	111	2.00	1.41		
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.17	109	2.00	1.21		
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.40	107	6.00	1.35		
Total BTEX	<0.300	0.300	05/15/2025	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	656	16.0	05/14/2025	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	05/14/2025	ND	186	92.9	200	2.24		
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	181	90.5	200	1.46		
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND						

Surrogate: 1-Chlorooctane 84.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.8 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: T - 2 (2.0') (H252862-08)

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	05/15/2025	ND	2.16	108	2.00	1.63	
Toluene*	<0.050	0.050	05/15/2025	ND	2.22	111	2.00	1.41	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.17	109	2.00	1.21	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.40	107	6.00	1.35	
Total BTEX	<0.300	0.300	05/15/2025	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	240	16.0	05/14/2025	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	05/14/2025	ND	186	92.9	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	181	90.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane 79.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.7 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: T - 2 (3.0') (H252862-09)

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	05/15/2025	ND	2.16	108	2.00	1.63	
Toluene*	<0.050	0.050	05/15/2025	ND	2.22	111	2.00	1.41	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.17	109	2.00	1.21	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.40	107	6.00	1.35	
Total BTEX	<0.300	0.300	05/15/2025	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	240	16.0	05/14/2025	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	05/14/2025	ND	186	92.9	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	181	90.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane 82.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.1 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: T - 2 (4.0') (H252862-10)

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	05/15/2025	ND	2.16	108	2.00	1.63		
Toluene*	<0.050	0.050	05/15/2025	ND	2.22	111	2.00	1.41		
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.17	109	2.00	1.21		
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.40	107	6.00	1.35		
Total BTEX	<0.300	0.300	05/15/2025	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	2080	16.0	05/14/2025	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	05/14/2025	ND	186	92.9	200	2.24		
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	181	90.5	200	1.46		
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND						

Surrogate: 1-Chlorooctane 84.3 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: T - 2 (5.0') (H252862-11)

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	05/14/2025	ND	2.10	105	2.00	0.433	
Toluene*	<0.050	0.050	05/14/2025	ND	2.09	104	2.00	2.09	
Ethylbenzene*	<0.050	0.050	05/14/2025	ND	2.06	103	2.00	2.36	
Total Xylenes*	<0.150	0.150	05/14/2025	ND	6.42	107	6.00	2.75	
Total BTEX	<0.300	0.300	05/14/2025	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	112	16.0	05/14/2025	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	05/14/2025	ND	186	92.9	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	181	90.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane 80.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.2 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: T - 3 (0-1') (H252862-12)

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	05/14/2025	ND	2.10	105	2.00	0.433	
Toluene*	<0.050	0.050	05/14/2025	ND	2.09	104	2.00	2.09	
Ethylbenzene*	<0.050	0.050	05/14/2025	ND	2.06	103	2.00	2.36	
Total Xylenes*	<0.150	0.150	05/14/2025	ND	6.42	107	6.00	2.75	
Total BTEX	<0.300	0.300	05/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	1800	16.0	05/14/2025	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	05/14/2025	ND	186	92.9	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	181	90.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane 82.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.9 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: T - 3 (1.5') (H252862-13)

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	05/15/2025	ND	2.10	105	2.00	0.433		
Toluene*	<0.050	0.050	05/15/2025	ND	2.09	104	2.00	2.09		
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.06	103	2.00	2.36		
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.42	107	6.00	2.75		
Total BTEX	<0.300	0.300	05/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	816	16.0	05/14/2025	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	05/14/2025	ND	186	92.9	200	2.24		
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	181	90.5	200	1.46		
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND						

Surrogate: 1-Chlorooctane 82.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.9 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: T - 3 (2.0') (H252862-14)

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	05/15/2025	ND	2.10	105	2.00	0.433		
Toluene*	<0.050	0.050	05/15/2025	ND	2.09	104	2.00	2.09		
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.06	103	2.00	2.36		
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.42	107	6.00	2.75		
Total BTEX	<0.300	0.300	05/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	336	16.0	05/14/2025	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	05/14/2025	ND	186	92.9	200	2.24		
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	181	90.5	200	1.46		
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND						

Surrogate: 1-Chlorooctane 82.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.4 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: T - 4 (0-1') (H252862-17)

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	05/15/2025	ND	2.10	105	2.00	0.433		
Toluene*	<0.050	0.050	05/15/2025	ND	2.09	104	2.00	2.09		
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.06	103	2.00	2.36		
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.42	107	6.00	2.75		
Total BTEX	<0.300	0.300	05/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	1720	16.0	05/14/2025	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	05/14/2025	ND	186	92.9	200	2.24		
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	181	90.5	200	1.46		
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND						

Surrogate: 1-Chlorooctane 76.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.7 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: T - 4 (1.5') (H252862-18)

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	05/15/2025	ND	2.10	105	2.00	0.433	
Toluene*	<0.050	0.050	05/15/2025	ND	2.09	104	2.00	2.09	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.06	103	2.00	2.36	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.42	107	6.00	2.75	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	1250	16.0	05/14/2025	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	05/14/2025	ND	218	109	200	0.814	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	209	104	200	0.879	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane 62.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 58.4 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: T - 4 (2.0') (H252862-19)

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	05/15/2025	ND	2.10	105	2.00	0.433	
Toluene*	<0.050	0.050	05/15/2025	ND	2.09	104	2.00	2.09	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.06	103	2.00	2.36	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.42	107	6.00	2.75	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	80.0	16.0	05/14/2025	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	05/14/2025	ND	218	109	200	0.814	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	209	104	200	0.879	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane 79.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.9 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: T - 4 (3.0') (H252862-20)

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	05/15/2025	ND	2.10	105	2.00	0.433		
Toluene*	<0.050	0.050	05/15/2025	ND	2.09	104	2.00	2.09		
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.06	103	2.00	2.36		
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.42	107	6.00	2.75		
Total BTEX	<0.300	0.300	05/15/2025	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	160	16.0	05/14/2025	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	05/14/2025	ND	218	109	200	0.814		
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	209	104	200	0.879		
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND						

Surrogate: 1-Chlorooctane 81.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.1 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: T - 4 (4.0') (H252862-21)

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	05/15/2025	ND	2.10	105	2.00	0.433	
Toluene*	<0.050	0.050	05/15/2025	ND	2.09	104	2.00	2.09	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.06	103	2.00	2.36	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.42	107	6.00	2.75	
Total BTEX	<0.300	0.300	05/15/2025	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	160	16.0	05/14/2025	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	05/14/2025	ND	218	109	200	0.814	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	209	104	200	0.879	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane 84.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.2 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: T - 5 (0-1') (H252862-22)

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	05/15/2025	ND	2.10	105	2.00	0.433		
Toluene*	<0.050	0.050	05/15/2025	ND	2.09	104	2.00	2.09		
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.06	103	2.00	2.36		
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.42	107	6.00	2.75		
Total BTEX	<0.300	0.300	05/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	1800	16.0	05/14/2025	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	05/14/2025	ND	218	109	200	0.814		
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	209	104	200	0.879		
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND						

Surrogate: 1-Chlorooctane 76.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.4 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: T - 5 (1.5') (H252862-23)

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	05/15/2025	ND	2.10	105	2.00	0.433	
Toluene*	<0.050	0.050	05/15/2025	ND	2.09	104	2.00	2.09	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.06	103	2.00	2.36	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.42	107	6.00	2.75	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	2100	16.0	05/14/2025	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	05/14/2025	ND	218	109	200	0.814	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	209	104	200	0.879	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane 85.4 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: T - 5 (2.0') (H252862-24)

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	05/15/2025	ND	2.10	105	2.00	0.433	
Toluene*	<0.050	0.050	05/15/2025	ND	2.09	104	2.00	2.09	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.06	103	2.00	2.36	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.42	107	6.00	2.75	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	1490	16.0	05/14/2025	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	05/14/2025	ND	218	109	200	0.814	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	209	104	200	0.879	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane 84.5 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: T - 5 (3.0') (H252862-25)

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	05/15/2025	ND	2.10	105	2.00	0.433	
Toluene*	<0.050	0.050	05/15/2025	ND	2.09	104	2.00	2.09	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.06	103	2.00	2.36	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.42	107	6.00	2.75	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	2840	16.0	05/14/2025	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	05/14/2025	ND	218	109	200	0.814	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	209	104	200	0.879	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane 83.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.9 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: T - 5 (4.0') (H252862-26)

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	05/15/2025	ND	2.10	105	2.00	0.433		
Toluene*	<0.050	0.050	05/15/2025	ND	2.09	104	2.00	2.09		
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.06	103	2.00	2.36		
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.42	107	6.00	2.75		
Total BTEX	<0.300	0.300	05/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	2720	16.0	05/14/2025	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	05/14/2025	ND	218	109	200	0.814		
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	209	104	200	0.879		
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND						

Surrogate: 1-Chlorooctane 81.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.3 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: T - 5 (5.0') (H252862-27)

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	05/15/2025	ND	2.10	105	2.00	0.433	
Toluene*	<0.050	0.050	05/15/2025	ND	2.09	104	2.00	2.09	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.06	103	2.00	2.36	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.42	107	6.00	2.75	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	112	16.0	05/14/2025	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	05/14/2025	ND	218	109	200	0.814	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	209	104	200	0.879	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane 83.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.8 % 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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 1952866

Page 1 of 3

Page 25 of 27

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 Marnefield 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

Program:	UST/PST	<input type="checkbox"/> PRR	<input type="checkbox"/> Rowfields	<input type="checkbox"/> RRC	<input type="checkbox"/> Perfund
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:		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Preservative Codes						
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Hold	None: NO	DI Water: H ₂ O	Cool: Cool	MeOH: Me	HCL: HC	HNO ₃ : HN		H ₂ SO ₄ : H ₂	NaOH: Na	H ₃ PO ₄ : HP	NaHSO ₄ : NABIS	Na ₂ S ₂ O ₃ : NaSO ₃	Zn Acetate+NaOH: Zn
T-1 (0-1')	5/13/2025		X		Grab/	1	X	X	X														
T-1 (1.5')	5/13/2025		X		Grab/	1	X	X	X														
T-1 (2.0')	5/13/2025		X		Grab/	1																	
T-1 (3.0')	5/13/2025		X		Grab/	1																	
T-1 (4.0')	5/13/2025		X		Grab/	1																	
T-2 (0-1')	5/13/2025		X		Grab/	1	X	X	X														
T-2 (1.5')	5/13/2025		X		Grab/	1	X	X	X														
T-2 (2.0')	5/13/2025		X		Grab/	1	X	X	X														
T-2 (3.0')	5/13/2025		X		Grab/	1	X	X	X														
T-2 (4.0')	5/13/2025		X		Grab/	1	X	X	X														

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Kevin Loyds</i>	5/13/25/14:02	<i>Carmona Resources</i>	

Chain of Custody

Work Order No: 13528662

Page 3 of 3

Page 27 of 27

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmora Resources	Company Name:	Cinrax 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: USTR/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> JRC <input type="checkbox"/> Deepfund
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:	Wigeon 23-26 Federal Com 4	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes
		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush		BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
Project Number:	2714							
Project Location:	Eddy County, New Mexico	Due Date:	Standard TAT					
Sampler's Name:	RP							
PO #:		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:				
SAMPLE RECEIPT		Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	#140			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	10.3°C			
Total Containers:		Corrected Temperature:			3.1°C			
					3.4°C			
Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters	Sample Comments
T-4 (4.0')	5/13/2025		X		Grab/	1	X X X X X	
T-5 (0-1')	5/13/2025		X		Grab/	1	X X X X X	
T-5 (1.5')	5/13/2025		X		Grab/	1	X X X X X	
T-5 (2.0')	5/13/2025		X		Grab/	1	X X X X X	
T-5 (3.0')	5/13/2025		X		Grab/	1	X X X X X	
T-5 (4.0')	5/13/2025		X		Grab/	1	X X X X X	
T-5 (5.0')	5/13/2025		X		Grab/	1	X X X X X	

Comments:

Relinquished by: (Signature)	<i>Karin Boyles</i>	Date/Time	5-13-25/11042
Received by: (Signature)	<i>Laci Luig</i>	Date/Time	



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

May 19, 2025

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

RE: WIGEON 23 - 26 FEDERAL COM 4

Enclosed are the results of analyses for samples received by the laboratory on 05/13/25 16:42.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: H - 1 (0-0.5') (H252863-01)

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	05/15/2025	ND	2.10	105	2.00	0.433	
Toluene*	<0.050	0.050	05/15/2025	ND	2.09	104	2.00	2.09	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.06	103	2.00	2.36	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.42	107	6.00	2.75	
Total BTEX	<0.300	0.300	05/15/2025	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	112	16.0	05/14/2025	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	05/14/2025	ND	218	109	200	0.814	
DRO >C10-C28*	500	10.0	05/14/2025	ND	209	104	200	0.879	
EXT DRO >C28-C36	254	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane 80.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.3 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: H - 2 (0-0.5') (H252863-02)

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	05/15/2025	ND	2.10	105	2.00	0.433	
Toluene*	<0.050	0.050	05/15/2025	ND	2.09	104	2.00	2.09	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.06	103	2.00	2.36	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.42	107	6.00	2.75	
Total BTEX	<0.300	0.300	05/15/2025	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	128	16.0	05/14/2025	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	05/14/2025	ND	218	109	200	0.814	
DRO >C10-C28*	407	10.0	05/14/2025	ND	209	104	200	0.879	
EXT DRO >C28-C36	213	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane 78.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 64.6 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: H - 3 (0-0.5') (H252863-03)

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	05/15/2025	ND	2.10	105	2.00	0.433	
Toluene*	<0.050	0.050	05/15/2025	ND	2.09	104	2.00	2.09	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.06	103	2.00	2.36	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.42	107	6.00	2.75	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	176	16.0	05/14/2025	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	05/14/2025	ND	218	109	200	0.814	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	209	104	200	0.879	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane 96.2 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: H - 4 (0-0.5') (H252863-04)

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	05/15/2025	ND	2.10	105	2.00	0.433	
Toluene*	<0.050	0.050	05/15/2025	ND	2.09	104	2.00	2.09	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.06	103	2.00	2.36	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.42	107	6.00	2.75	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	224	16.0	05/14/2025	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	05/14/2025	ND	218	109	200	0.814	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	209	104	200	0.879	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane 96.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.4 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: H - 5 (0-0.5') (H252863-05)

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	05/15/2025	ND	2.10	105	2.00	0.433	
Toluene*	<0.050	0.050	05/15/2025	ND	2.09	104	2.00	2.09	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.06	103	2.00	2.36	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	6.42	107	6.00	2.75	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	80.0	16.0	05/14/2025	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	05/14/2025	ND	218	109	200	0.814	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	209	104	200	0.879	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane 96.0 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: H - 6 (0-0.5') (H252863-06)

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	05/14/2025	ND	2.35	117	2.00	2.70	
Toluene*	<0.050	0.050	05/14/2025	ND	2.29	114	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/14/2025	ND	2.36	118	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/14/2025	ND	7.17	119	6.00	2.36	
Total BTEX	<0.300	0.300	05/14/2025	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	80.0	16.0	05/14/2025	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	05/14/2025	ND	218	109	200	0.814	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	209	104	200	0.879	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.4 % 40.6-153

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*=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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: H - 7 (0-0.5') (H252863-07)

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	05/14/2025	ND	2.35	117	2.00	2.70	
Toluene*	<0.050	0.050	05/14/2025	ND	2.29	114	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/14/2025	ND	2.36	118	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/14/2025	ND	7.17	119	6.00	2.36	
Total BTEX	<0.300	0.300	05/14/2025	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	160	16.0	05/14/2025	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	05/14/2025	ND	218	109	200	0.814	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	209	104	200	0.879	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane 81.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.2 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: H - 8 (0-0.5') (H252863-08)

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	05/14/2025	ND	2.35	117	2.00	2.70	
Toluene*	<0.050	0.050	05/14/2025	ND	2.29	114	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/14/2025	ND	2.36	118	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/14/2025	ND	7.17	119	6.00	2.36	
Total BTEX	<0.300	0.300	05/14/2025	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	96.0	16.0	05/14/2025	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	05/14/2025	ND	218	109	200	0.814	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	209	104	200	0.879	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane 85.6 % 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:	05/13/2025	Sampling Date:	05/13/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: H - 9 (0-0.5') (H252863-09)

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	05/14/2025	ND	2.35	117	2.00	2.70	
Toluene*	<0.050	0.050	05/14/2025	ND	2.29	114	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/14/2025	ND	2.36	118	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/14/2025	ND	7.17	119	6.00	2.36	
Total BTEX	<0.300	0.300	05/14/2025	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	608	16.0	05/14/2025	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	05/14/2025	ND	218	109	200	0.814	
DRO >C10-C28*	19.8	10.0	05/14/2025	ND	209	104	200	0.879	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane 85.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.2 % 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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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 03, 2025

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

RE: WIGEON 23 - 26 FEDERAL COM 4H

Enclosed are the results of analyses for samples received by the laboratory on 05/29/25 11:45.

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:	05/29/2025	Sampling Date:	05/29/2025
Reported:	06/03/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 1 (4.5') (H253201-01)

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	05/29/2025	ND	2.19	109	2.00	0.0417	
Toluene*	<0.050	0.050	05/29/2025	ND	2.00	99.9	2.00	4.96	
Ethylbenzene*	<0.050	0.050	05/29/2025	ND	2.17	109	2.00	6.37	
Total Xylenes*	<0.150	0.150	05/29/2025	ND	6.50	108	6.00	5.35	
Total BTEX	<0.300	0.300	05/29/2025	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	80.0	16.0	05/29/2025	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	05/30/2025	ND	178	89.0	200	3.32	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	172	85.8	200	0.0513	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 81.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.5 % 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:	05/29/2025	Sampling Date:	05/29/2025
Reported:	06/03/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 2 (4.5') (H253201-02)

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	05/29/2025	ND	2.19	109	2.00	0.0417	
Toluene*	<0.050	0.050	05/29/2025	ND	2.00	99.9	2.00	4.96	
Ethylbenzene*	<0.050	0.050	05/29/2025	ND	2.17	109	2.00	6.37	
Total Xylenes*	<0.150	0.150	05/29/2025	ND	6.50	108	6.00	5.35	
Total BTEX	<0.300	0.300	05/29/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/29/2025	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	05/30/2025	ND	178	89.0	200	3.32	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	172	85.8	200	0.0513	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 88.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.3 % 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:	05/29/2025	Sampling Date:	05/29/2025
Reported:	06/03/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 3 (4.5') (H253201-03)

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	05/29/2025	ND	2.19	109	2.00	0.0417		
Toluene*	<0.050	0.050	05/29/2025	ND	2.00	99.9	2.00	4.96		
Ethylbenzene*	<0.050	0.050	05/29/2025	ND	2.17	109	2.00	6.37		
Total Xylenes*	<0.150	0.150	05/29/2025	ND	6.50	108	6.00	5.35		
Total BTEX	<0.300	0.300	05/29/2025	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	304	16.0	05/29/2025	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	05/30/2025	ND	178	89.0	200	3.32		
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	172	85.8	200	0.0513		
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND						

Surrogate: 1-Chlorooctane 90.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.4 % 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:	05/29/2025	Sampling Date:	05/29/2025
Reported:	06/03/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 4 (4.5') (H253201-04)

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	05/29/2025	ND	2.19	109	2.00	0.0417	
Toluene*	<0.050	0.050	05/29/2025	ND	2.00	99.9	2.00	4.96	
Ethylbenzene*	<0.050	0.050	05/29/2025	ND	2.17	109	2.00	6.37	
Total Xylenes*	<0.150	0.150	05/29/2025	ND	6.50	108	6.00	5.35	
Total BTEX	<0.300	0.300	05/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	256	16.0	05/29/2025	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	05/30/2025	ND	178	89.0	200	3.32	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	172	85.8	200	0.0513	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 88.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.8 % 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:	05/29/2025	Sampling Date:	05/29/2025
Reported:	06/03/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 1 (4.5') (H253201-05)

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	05/30/2025	ND	1.84	91.8	2.00	3.16		
Toluene*	<0.050	0.050	05/30/2025	ND	1.94	96.8	2.00	3.28		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.92	96.1	2.00	3.72		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.68	94.7	6.00	3.55		
Total BTEX	<0.300	0.300	05/30/2025	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	240	16.0	05/29/2025	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	05/30/2025	ND	178	89.0	200	3.32		
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	172	85.8	200	0.0513		
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND						

Surrogate: 1-Chlorooctane 87.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.4 % 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:	05/29/2025	Sampling Date:	05/29/2025
Reported:	06/03/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 2 (4.5') (H253201-06)

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	05/30/2025	ND	1.84	91.8	2.00	3.16		
Toluene*	<0.050	0.050	05/30/2025	ND	1.94	96.8	2.00	3.28		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.92	96.1	2.00	3.72		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.68	94.7	6.00	3.55		
Total BTEX	<0.300	0.300	05/30/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	05/29/2025	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	05/30/2025	ND	178	89.0	200	3.32		
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	172	85.8	200	0.0513		
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND						

Surrogate: 1-Chlorooctane 90.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.6 % 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:	05/29/2025	Sampling Date:	05/29/2025
Reported:	06/03/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 3 (4.5') (H253201-07)

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	05/30/2025	ND	1.84	91.8	2.00	3.16		
Toluene*	<0.050	0.050	05/30/2025	ND	1.94	96.8	2.00	3.28		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.92	96.1	2.00	3.72		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.68	94.7	6.00	3.55		
Total BTEX	<0.300	0.300	05/30/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	05/29/2025	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	05/30/2025	ND	178	89.0	200	3.32		
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	172	85.8	200	0.0513		
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND						

Surrogate: 1-Chlorooctane 87.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.4 % 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:	05/29/2025	Sampling Date:	05/29/2025
Reported:	06/03/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 4 (4.5') (H253201-08)

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	05/30/2025	ND	1.84	91.8	2.00	3.16		
Toluene*	<0.050	0.050	05/30/2025	ND	1.94	96.8	2.00	3.28		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.92	96.1	2.00	3.72		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.68	94.7	6.00	3.55		
Total BTEX	<0.300	0.300	05/30/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/29/2025	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	05/30/2025	ND	178	89.0	200	3.32		
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	172	85.8	200	0.0513		
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND						

Surrogate: 1-Chlorooctane 89.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.0 % 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:	05/29/2025	Sampling Date:	05/29/2025
Reported:	06/03/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 5 (4.5') (H253201-09)

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	05/30/2025	ND	1.84	91.8	2.00	3.16		
Toluene*	<0.050	0.050	05/30/2025	ND	1.94	96.8	2.00	3.28		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.92	96.1	2.00	3.72		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.68	94.7	6.00	3.55		
Total BTEX	<0.300	0.300	05/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	112	16.0	05/29/2025	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	05/30/2025	ND	178	89.0	200	3.32		
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	172	85.8	200	0.0513		
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND						

Surrogate: 1-Chlorooctane 90.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.0 % 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:	05/29/2025	Sampling Date:	05/29/2025
Reported:	06/03/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 6 (4.5') (H253201-10)

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	05/30/2025	ND	1.84	91.8	2.00	3.16	
Toluene*	<0.050	0.050	05/30/2025	ND	1.94	96.8	2.00	3.28	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.92	96.1	2.00	3.72	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.68	94.7	6.00	3.55	
Total BTEX	<0.300	0.300	05/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	144	16.0	05/29/2025	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	05/30/2025	ND	178	89.0	200	3.32	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	172	85.8	200	0.0513	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 91.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- 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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No:

1453201

Page 1 of 1

Project Manager:	Ashlon Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimatex 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 & nathaniel.rose@coterra.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> IRC <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"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Wigeon 23-26 Federal Com 4H	* Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes						
Project Number:	2714	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush														None: NO	DI Water: H ₂ O					
Project Location:	Eddy County, New Mexico	Due Date:	72hr														Cool: Cool	MeOH: Me					
Sampler's Name:	KR																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 Infract:	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 ₅ : 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: S-APC						
Sample Identification	Date	Time	Soil	Water	Grab/Cont	# of Cont	Parameters												Sample Comments				
CS-1 (4.5')	5/29/2025		X		Comp	1	X	X	X	X	BTEX 8021B												
CS-2 (4.5')	5/29/2025		X		Comp	1	X	X	X	X	TPH 8015M (GRO + DRO + MRO)												
CS-3 (4.5')	5/29/2025		X		Comp	1	X	X	X	X	Chloride 4500												
CS-4 (4.5')	5/29/2025		X		Comp	1	X	X	X	X													
SW-1 (4.5')	5/29/2025		X		Comp	1	X	X	X	X													
SW-2 (4.5')	5/29/2025		X		Comp	1	X	X	X	X													
SW-3 (4.5')	5/29/2025		X		Comp	1	X	X	X	X													
SW-4 (4.5')	5/29/2025		X		Comp	1	X	X	X	X													
SW-5 (4.5')	5/29/2025		X		Comp	1	X	X	X	X													
SW-6 (4.5')	5/29/2025		X		Comp	1	X	X	X	X													

Comments:

Hold
None: NO
DI Water: H₂O
Cool: Cool
MeOH: Me
HCL: HC
HNO₃: HN
H₂SO₄: H₂
NaOH: Na
H₃PO₄: HP
NaHSO₄: NABIS
Na₂S₂O₅: NaSO₃
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: S-APC

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	5/29/25 1145	<i>[Signature]</i>	



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

June 04, 2025

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

RE: WIGEON 23 - 26 FEDERAL COM 4H

Enclosed are the results of analyses for samples received by the laboratory on 06/02/25 16:23.

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 "Celey D. Keene". The signature is written in a cursive 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:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 5 (2.0') (H253278-01)

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	06/03/2025	ND	1.96	98.2	2.00	2.01	
Toluene*	<0.050	0.050	06/03/2025	ND	1.96	97.8	2.00	2.96	
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	1.92	96.2	2.00	3.64	
Total Xylenes*	<0.150	0.150	06/03/2025	ND	5.91	98.6	6.00	4.00	
Total BTEX	<0.300	0.300	06/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	224	16.0	06/03/2025	ND	368	92.0	400	16.0	

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	06/03/2025	ND	211	105	200	3.75	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	196	98.0	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 79.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.4 % 40.6-153

Cardinal Laboratories

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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:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 6 (2.0') (H253278-02)

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	06/03/2025	ND	1.96	98.2	2.00	2.01		
Toluene*	<0.050	0.050	06/03/2025	ND	1.96	97.8	2.00	2.96		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	1.92	96.2	2.00	3.64		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	5.91	98.6	6.00	4.00		
Total BTEX	<0.300	0.300	06/03/2025	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	128	16.0	06/03/2025	ND	368	92.0	400	16.0		

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	06/03/2025	ND	211	105	200	3.75		
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	196	98.0	200	3.88		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 84.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.5 % 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:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 7 (2.0') (H253278-03)

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	06/03/2025	ND	1.96	98.2	2.00	2.01	
Toluene*	<0.050	0.050	06/03/2025	ND	1.96	97.8	2.00	2.96	
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	1.92	96.2	2.00	3.64	
Total Xylenes*	<0.150	0.150	06/03/2025	ND	5.91	98.6	6.00	4.00	
Total BTEX	<0.300	0.300	06/03/2025	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	192	16.0	06/03/2025	ND	368	92.0	400	16.0	

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	06/03/2025	ND	211	105	200	3.75	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	196	98.0	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 80.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.6 % 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:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 8 (2.0') (H253278-04)

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	06/03/2025	ND	1.96	98.2	2.00	2.01		
Toluene*	<0.050	0.050	06/03/2025	ND	1.96	97.8	2.00	2.96		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	1.92	96.2	2.00	3.64		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	5.91	98.6	6.00	4.00		
Total BTEX	<0.300	0.300	06/03/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/03/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	211	105	200	3.75		
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	196	98.0	200	3.88		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 76.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.6 % 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:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 9 (2.0') (H253278-05)

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	06/03/2025	ND	1.96	98.2	2.00	2.01		
Toluene*	<0.050	0.050	06/03/2025	ND	1.96	97.8	2.00	2.96		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	1.92	96.2	2.00	3.64		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	5.91	98.6	6.00	4.00		
Total BTEX	<0.300	0.300	06/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/03/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	211	105	200	3.75		
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	196	98.0	200	3.88		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 81.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.6 % 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:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 10 (2.0') (H253278-06)

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	06/03/2025	ND	1.96	98.2	2.00	2.01	
Toluene*	<0.050	0.050	06/03/2025	ND	1.96	97.8	2.00	2.96	
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	1.92	96.2	2.00	3.64	
Total Xylenes*	<0.150	0.150	06/03/2025	ND	5.91	98.6	6.00	4.00	
Total BTEX	<0.300	0.300	06/03/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/03/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	211	105	200	3.75	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	196	98.0	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 79.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.4 % 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:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 11 (2.0') (H253278-07)

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	06/03/2025	ND	1.96	98.2	2.00	2.01	
Toluene*	<0.050	0.050	06/03/2025	ND	1.96	97.8	2.00	2.96	
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	1.92	96.2	2.00	3.64	
Total Xylenes*	<0.150	0.150	06/03/2025	ND	5.91	98.6	6.00	4.00	
Total BTEX	<0.300	0.300	06/03/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	06/03/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	211	105	200	3.75	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	196	98.0	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 83.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.0 % 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:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 12 (2.0') (H253278-08)

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	06/03/2025	ND	1.96	98.2	2.00	2.01		
Toluene*	<0.050	0.050	06/03/2025	ND	1.96	97.8	2.00	2.96		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	1.92	96.2	2.00	3.64		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	5.91	98.6	6.00	4.00		
Total BTEX	<0.300	0.300	06/03/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	06/03/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	211	105	200	3.75		
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	196	98.0	200	3.88		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 74.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.2 % 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:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 13 (2.0') (H253278-09)

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	06/03/2025	ND	1.96	98.2	2.00	2.01		
Toluene*	<0.050	0.050	06/03/2025	ND	1.96	97.8	2.00	2.96		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	1.92	96.2	2.00	3.64		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	5.91	98.6	6.00	4.00		
Total BTEX	<0.300	0.300	06/03/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4560	16.0	06/03/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	211	105	200	3.75		
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	196	98.0	200	3.88		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 86.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.0 % 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:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 14 (2.0') (H253278-10)

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	06/03/2025	ND	1.96	98.2	2.00	2.01	
Toluene*	<0.050	0.050	06/03/2025	ND	1.96	97.8	2.00	2.96	
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	1.92	96.2	2.00	3.64	
Total Xylenes*	<0.150	0.150	06/03/2025	ND	5.91	98.6	6.00	4.00	
Total BTEX	<0.300	0.300	06/03/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	06/03/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	211	105	200	3.75	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	196	98.0	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.4 % 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:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 15 (2.0') (H253278-11)

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	06/03/2025	ND	1.96	98.2	2.00	2.01		
Toluene*	<0.050	0.050	06/03/2025	ND	1.96	97.8	2.00	2.96		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	1.92	96.2	2.00	3.64		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	5.91	98.6	6.00	4.00		
Total BTEX	<0.300	0.300	06/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/03/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	211	105	200	3.75		
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	196	98.0	200	3.88		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 71.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.7 % 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:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 16 (2.0') (H253278-12)

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	06/03/2025	ND	1.96	98.2	2.00	2.01	
Toluene*	<0.050	0.050	06/03/2025	ND	1.96	97.8	2.00	2.96	
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	1.92	96.2	2.00	3.64	
Total Xylenes*	<0.150	0.150	06/03/2025	ND	5.91	98.6	6.00	4.00	
Total BTEX	<0.300	0.300	06/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	06/03/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	194	97.2	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	194	97.0	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 95.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.2 % 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:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 17 (2.0') (H253278-13)

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	06/03/2025	ND	1.96	98.2	2.00	2.01		
Toluene*	<0.050	0.050	06/03/2025	ND	1.96	97.8	2.00	2.96		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	1.92	96.2	2.00	3.64		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	5.91	98.6	6.00	4.00		
Total BTEX	<0.300	0.300	06/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2080	16.0	06/03/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	194	97.2	200	11.0		
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	194	97.0	200	4.15		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 96.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.1 % 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:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 18 (2.0') (H253278-14)

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	06/03/2025	ND	1.96	98.2	2.00	2.01		
Toluene*	<0.050	0.050	06/03/2025	ND	1.96	97.8	2.00	2.96		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	1.92	96.2	2.00	3.64		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	5.91	98.6	6.00	4.00		
Total BTEX	<0.300	0.300	06/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	06/03/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	194	97.2	200	11.0		
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	194	97.0	200	4.15		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 97.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.4 % 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:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 19 (2.0') (H253278-15)

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	06/03/2025	ND	1.96	98.2	2.00	2.01	
Toluene*	<0.050	0.050	06/03/2025	ND	1.96	97.8	2.00	2.96	
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	1.92	96.2	2.00	3.64	
Total Xylenes*	<0.150	0.150	06/03/2025	ND	5.91	98.6	6.00	4.00	
Total BTEX	<0.300	0.300	06/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/03/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	194	97.2	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	194	97.0	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 99.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.7 % 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:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 7 (2.0') (H253278-16)

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	06/03/2025	ND	1.96	98.2	2.00	2.01	
Toluene*	<0.050	0.050	06/03/2025	ND	1.96	97.8	2.00	2.96	
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	1.92	96.2	2.00	3.64	
Total Xylenes*	<0.150	0.150	06/03/2025	ND	5.91	98.6	6.00	4.00	
Total BTEX	<0.300	0.300	06/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/03/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	194	97.2	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	194	97.0	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 92.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.5 % 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:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 8 (2.0') (H253278-17)

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	06/03/2025	ND	1.96	98.2	2.00	2.01	
Toluene*	<0.050	0.050	06/03/2025	ND	1.96	97.8	2.00	2.96	
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	1.92	96.2	2.00	3.64	
Total Xylenes*	<0.150	0.150	06/03/2025	ND	5.91	98.6	6.00	4.00	
Total BTEX	<0.300	0.300	06/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/03/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	194	97.2	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	194	97.0	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 90.1 % 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:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 9 (2.0') (H253278-18)

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	06/03/2025	ND	1.96	98.2	2.00	2.01	
Toluene*	<0.050	0.050	06/03/2025	ND	1.96	97.8	2.00	2.96	
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	1.92	96.2	2.00	3.64	
Total Xylenes*	<0.150	0.150	06/03/2025	ND	5.91	98.6	6.00	4.00	
Total BTEX	<0.300	0.300	06/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/03/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	194	97.2	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	194	97.0	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 96.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.3 % 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:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 10 (2.0') (H253278-19)

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	06/03/2025	ND	1.96	98.2	2.00	2.01		
Toluene*	<0.050	0.050	06/03/2025	ND	1.96	97.8	2.00	2.96		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	1.92	96.2	2.00	3.64		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	5.91	98.6	6.00	4.00		
Total BTEX	<0.300	0.300	06/03/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	06/03/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	194	97.2	200	11.0		
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	194	97.0	200	4.15		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 98.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.5 % 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:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 11 (2.0') (H253278-20)

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	06/03/2025	ND	1.96	98.2	2.00	2.01	
Toluene*	<0.050	0.050	06/03/2025	ND	1.96	97.8	2.00	2.96	
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	1.92	96.2	2.00	3.64	
Total Xylenes*	<0.150	0.150	06/03/2025	ND	5.91	98.6	6.00	4.00	
Total BTEX	<0.300	0.300	06/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	06/03/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	194	97.2	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	194	97.0	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 94.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.6 % 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:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 12 (2.0') (H253278-21)

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	06/03/2025	ND	2.20	110	2.00	0.138		
Toluene*	<0.050	0.050	06/03/2025	ND	2.00	99.8	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.01	101	2.00	2.47		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.57		
Total BTEX	<0.300	0.300	06/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	06/03/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	194	97.2	200	11.0		
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	194	97.0	200	4.15		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 98.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.4 % 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:	06/02/2025	Sampling Date:	05/30/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 13 (2.0') (H253278-22)

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	06/03/2025	ND	2.20	110	2.00	0.138		
Toluene*	<0.050	0.050	06/03/2025	ND	2.00	99.8	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.01	101	2.00	2.47		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.57		
Total BTEX	<0.300	0.300	06/03/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	06/03/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	194	97.2	200	11.0		
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	194	97.0	200	4.15		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 96.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- 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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 1852878

Page 1 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@colerra.com & nathaniel.rose@colerra.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Iperfund
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:

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST				Preservative Codes
							Parameters	Pres. Code	Hold	Sample Comments	
CS-5 (2.0')	5/30/2025		X		Comp	1	X	X	X		None: NO DI Water: H ₂ O Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na H ₃ PO ₄ : HP NaHSO ₄ : NARIS Na ₂ S ₂ O ₃ : NASO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
CS-6 (2.0')	5/30/2025		X		Comp	1	X	X	X		
CS-7 (2.0')	5/30/2025		X		Comp	1	X	X	X		
CS-8 (2.0')	5/30/2025		X		Comp	1	X	X	X		
CS-9 (2.0')	5/30/2025		X		Comp	1	X	X	X		
CS-10 (2.0')	5/30/2025		X		Comp	1	X	X	X		
CS-11 (2.0')	5/30/2025		X		Comp	1	X	X	X		
CS-12 (2.0')	5/30/2025		X		Comp	1	X	X	X		
CS-13 (2.0')	5/30/2025		X		Comp	1	X	X	X		
CS-14 (2.0')	5/30/2025		X		Comp	1	X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>		<i>[Signature]</i>	6/23/2025



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

June 04, 2025

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

RE: WIGEON 23 - 26 FEDERAL COM 4H

Enclosed are the results of analyses for samples received by the laboratory on 06/02/25 16:23.

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 "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/02/2025	Sampling Date:	06/02/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS-20 (1.0') (H253279-01)

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	06/03/2025	ND	2.20	110	2.00	0.138	
Toluene*	<0.050	0.050	06/03/2025	ND	2.00	99.8	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.01	101	2.00	2.47	
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.57	
Total BTEX	<0.300	0.300	06/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	06/03/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	194	97.2	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	194	97.0	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 89.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.7 % 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:	06/02/2025	Sampling Date:	06/02/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS-21 (1.0') (H253279-02)

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	06/03/2025	ND	2.20	110	2.00	0.138	
Toluene*	<0.050	0.050	06/03/2025	ND	2.00	99.8	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.01	101	2.00	2.47	
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.57	
Total BTEX	<0.300	0.300	06/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	272	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	194	97.2	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	194	97.0	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 84.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.6 % 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:	06/02/2025	Sampling Date:	06/02/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS-22 (1.0') (H253279-03)

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	06/03/2025	ND	2.20	110	2.00	0.138	
Toluene*	<0.050	0.050	06/03/2025	ND	2.00	99.8	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.01	101	2.00	2.47	
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.57	
Total BTEX	<0.300	0.300	06/03/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	194	97.2	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	194	97.0	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 95.1 % 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:	06/02/2025	Sampling Date:	06/02/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS-23 (1.0') (H253279-04)

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	06/03/2025	ND	2.20	110	2.00	0.138	
Toluene*	<0.050	0.050	06/03/2025	ND	2.00	99.8	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.01	101	2.00	2.47	
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.57	
Total BTEX	<0.300	0.300	06/03/2025	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	224	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	194	97.2	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	194	97.0	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	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:	06/02/2025	Sampling Date:	06/02/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS-24 (1.0') (H253279-05)

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	06/03/2025	ND	2.20	110	2.00	0.138	
Toluene*	<0.050	0.050	06/03/2025	ND	2.00	99.8	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.01	101	2.00	2.47	
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.57	
Total BTEX	<0.300	0.300	06/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	80.0	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	194	97.2	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	194	97.0	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 96.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.1 % 40.6-153

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Analytical Results For:

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

Received:	06/02/2025	Sampling Date:	06/02/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS-25 (1.0') (H253279-06)

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	06/03/2025	ND	2.20	110	2.00	0.138	
Toluene*	<0.050	0.050	06/03/2025	ND	2.00	99.8	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.01	101	2.00	2.47	
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.57	
Total BTEX	<0.300	0.300	06/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	64.0	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	194	97.2	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	194	97.0	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 99.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.4 % 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:	06/02/2025	Sampling Date:	06/02/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS-26 (1.0') (H253279-07)

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	06/03/2025	ND	2.20	110	2.00	0.138	
Toluene*	<0.050	0.050	06/03/2025	ND	2.00	99.8	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.01	101	2.00	2.47	
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.57	
Total BTEX	<0.300	0.300	06/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	240	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	194	97.2	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	194	97.0	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 96.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.9 % 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:	06/02/2025	Sampling Date:	06/02/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS-27 (2.0') (H253279-08)

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	06/03/2025	ND	2.20	110	2.00	0.138	
Toluene*	<0.050	0.050	06/03/2025	ND	2.00	99.8	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.01	101	2.00	2.47	
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.57	
Total BTEX	<0.300	0.300	06/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	80.0	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	194	97.2	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	194	97.0	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 85.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.6 % 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:	06/02/2025	Sampling Date:	06/02/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS-28 (2.0') (H253279-09)

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	06/03/2025	ND	2.20	110	2.00	0.138	
Toluene*	<0.050	0.050	06/03/2025	ND	2.00	99.8	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.01	101	2.00	2.47	
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.57	
Total BTEX	<0.300	0.300	06/03/2025	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	304	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	194	97.2	200	11.0	
DRO >C10-C28*	14.9	10.0	06/03/2025	ND	194	97.0	200	4.15	
EXT DRO >C28-C36	11.2	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 93.9 % 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:	06/02/2025	Sampling Date:	06/02/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW-14 (1.0') (H253279-10)

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	06/03/2025	ND	2.20	110	2.00	0.138		
Toluene*	<0.050	0.050	06/03/2025	ND	2.00	99.8	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.01	101	2.00	2.47		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.57		
Total BTEX	<0.300	0.300	06/03/2025	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	336	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	195	97.7	200	1.51		
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	189	94.4	200	0.0265		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 87.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.8 % 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:	06/02/2025	Sampling Date:	06/02/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW-15 (1.0') (H253279-11)

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	06/03/2025	ND	2.20	110	2.00	0.138		
Toluene*	<0.050	0.050	06/03/2025	ND	2.00	99.8	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.01	101	2.00	2.47		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.57		
Total BTEX	<0.300	0.300	06/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	195	97.7	200	1.51		
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	189	94.4	200	0.0265		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 91.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.0 % 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:	06/02/2025	Sampling Date:	06/02/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW-16 (1.0') (H253279-12)

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	06/03/2025	ND	2.20	110	2.00	0.138		
Toluene*	<0.050	0.050	06/03/2025	ND	2.00	99.8	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.01	101	2.00	2.47		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.57		
Total BTEX	<0.300	0.300	06/03/2025	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	112	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	195	97.7	200	1.51		
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	189	94.4	200	0.0265		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 98.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 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:	06/02/2025	Sampling Date:	06/02/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW-17 (1.0') (H253279-13)

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	06/03/2025	ND	2.20	110	2.00	0.138		
Toluene*	<0.050	0.050	06/03/2025	ND	2.00	99.8	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.01	101	2.00	2.47		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.57		
Total BTEX	<0.300	0.300	06/03/2025	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	320	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	195	97.7	200	1.51		
DRO >C10-C28*	27.0	10.0	06/03/2025	ND	189	94.4	200	0.0265		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 96.3 % 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:	06/02/2025	Sampling Date:	06/02/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW-18 (1.0') (H253279-14)

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	06/03/2025	ND	2.20	110	2.00	0.138		
Toluene*	<0.050	0.050	06/03/2025	ND	2.00	99.8	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.01	101	2.00	2.47		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.57		
Total BTEX	<0.300	0.300	06/03/2025	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	2600	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	195	97.7	200	1.51		
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	189	94.4	200	0.0265		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 99.0 % 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:	06/02/2025	Sampling Date:	06/02/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW-19 (1.0') (H253279-15)

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	06/03/2025	ND	2.20	110	2.00	0.138		
Toluene*	<0.050	0.050	06/03/2025	ND	2.00	99.8	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.01	101	2.00	2.47		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.57		
Total BTEX	<0.300	0.300	06/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	80.0	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	195	97.7	200	1.51		
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	189	94.4	200	0.0265		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 102 % 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:	06/02/2025	Sampling Date:	06/02/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW-20 (2.0') (H253279-16)

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	06/03/2025	ND	2.20	110	2.00	0.138		
Toluene*	<0.050	0.050	06/03/2025	ND	2.00	99.8	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.01	101	2.00	2.47		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.57		
Total BTEX	<0.300	0.300	06/03/2025	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	2600	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	195	97.7	200	1.51		
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	189	94.4	200	0.0265		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 110 % 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:	06/02/2025	Sampling Date:	06/02/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW-21 (2.0') (H253279-17)

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	06/03/2025	ND	2.20	110	2.00	0.138		
Toluene*	<0.050	0.050	06/03/2025	ND	2.00	99.8	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.01	101	2.00	2.47		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.57		
Total BTEX	<0.300	0.300	06/03/2025	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	112	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	195	97.7	200	1.51		
DRO >C10-C28*	11.1	10.0	06/03/2025	ND	189	94.4	200	0.0265		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 89.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.9 % 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:	06/02/2025	Sampling Date:	06/02/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW-22 (2.0') (H253279-18)

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	06/03/2025	ND	2.20	110	2.00	0.138		
Toluene*	<0.050	0.050	06/03/2025	ND	2.00	99.8	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.01	101	2.00	2.47		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.57		
Total BTEX	<0.300	0.300	06/03/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	944	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	195	97.7	200	1.51		
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	189	94.4	200	0.0265		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 98.3 % 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:	06/02/2025	Sampling Date:	06/02/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW-23 (2.0') (H253279-19)

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	06/03/2025	ND	2.10	105	2.00	0.430		
Toluene*	<0.050	0.050	06/03/2025	ND	2.23	111	2.00	0.609		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.07	104	2.00	1.12		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.23	104	6.00	1.32		
Total BTEX	<0.300	0.300	06/03/2025	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	64.0	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	195	97.7	200	1.51		
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	189	94.4	200	0.0265		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 100 % 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:	06/02/2025	Sampling Date:	06/02/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW-24 (2.0') (H253279-20)

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	06/03/2025	ND	2.10	105	2.00	0.430		
Toluene*	<0.050	0.050	06/03/2025	ND	2.23	111	2.00	0.609		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.07	104	2.00	1.12		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.23	104	6.00	1.32		
Total BTEX	<0.300	0.300	06/03/2025	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	320	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	195	97.7	200	1.51		
DRO >C10-C28*	21.4	10.0	06/03/2025	ND	189	94.4	200	0.0265		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 81.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.5 % 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:	06/02/2025	Sampling Date:	06/02/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW-25 (2.0') (H253279-21)

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	06/03/2025	ND	2.10	105	2.00	0.430		
Toluene*	<0.050	0.050	06/03/2025	ND	2.23	111	2.00	0.609		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.07	104	2.00	1.12		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.23	104	6.00	1.32		
Total BTEX	<0.300	0.300	06/03/2025	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	864	16.0	06/03/2025	ND	480	120	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	06/03/2025	ND	195	97.7	200	1.51		
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	189	94.4	200	0.0265		
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND						

Surrogate: 1-Chlorooctane 94.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.7 % 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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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 06, 2025

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

RE: WIGEON 23 - 26 FEDERAL COM 4H

Enclosed are the results of analyses for samples received by the laboratory on 06/04/25 15:27.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 29 (4.5') (H253346-01)

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	06/05/2025	ND	1.66	83.0	2.00	15.3		
Toluene*	<0.050	0.050	06/05/2025	ND	1.73	86.6	2.00	15.0		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.72	85.9	2.00	14.0		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.05	84.2	6.00	14.7		
Total BTEX	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	160	16.0	06/05/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/05/2025	ND	218	109	200	1.23		
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	185	92.4	200	4.20		
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND						

Surrogate: 1-Chlorooctane 91.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.5 % 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:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 30 (4.5') (H253346-02)

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	06/05/2025	ND	1.66	83.0	2.00	15.3		
Toluene*	<0.050	0.050	06/05/2025	ND	1.73	86.6	2.00	15.0		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.72	85.9	2.00	14.0		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.05	84.2	6.00	14.7		
Total BTEX	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	160	16.0	06/05/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/05/2025	ND	218	109	200	1.23		
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	185	92.4	200	4.20		
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND						

Surrogate: 1-Chlorooctane 84.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.0 % 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:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 31 (4.5') (H253346-03)

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	06/05/2025	ND	1.66	83.0	2.00	15.3		
Toluene*	<0.050	0.050	06/05/2025	ND	1.73	86.6	2.00	15.0		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.72	85.9	2.00	14.0		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.05	84.2	6.00	14.7		
Total BTEX	<0.300	0.300	06/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	06/05/2025	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	06/05/2025	ND	218	109	200	1.23		
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	185	92.4	200	4.20		
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND						

Surrogate: 1-Chlorooctane 88.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.8 % 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:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 32 (4.5') (H253346-04)

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	06/05/2025	ND	1.66	83.0	2.00	15.3		
Toluene*	<0.050	0.050	06/05/2025	ND	1.73	86.6	2.00	15.0		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.72	85.9	2.00	14.0		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.05	84.2	6.00	14.7		
Total BTEX	<0.300	0.300	06/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/05/2025	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	06/05/2025	ND	218	109	200	1.23		
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	185	92.4	200	4.20		
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND						

Surrogate: 1-Chlorooctane 92.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.9 % 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:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 33 (4.5') (H253346-05)

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	06/05/2025	ND	1.66	83.0	2.00	15.3		
Toluene*	<0.050	0.050	06/05/2025	ND	1.73	86.6	2.00	15.0		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.72	85.9	2.00	14.0		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.05	84.2	6.00	14.7		
Total BTEX	<0.300	0.300	06/05/2025	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	160	16.0	06/05/2025	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	06/05/2025	ND	218	109	200	1.23		
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	185	92.4	200	4.20		
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND						

Surrogate: 1-Chlorooctane 91.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.4 % 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:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 34 (4.5') (H253346-06)

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	06/05/2025	ND	1.66	83.0	2.00	15.3		
Toluene*	<0.050	0.050	06/05/2025	ND	1.73	86.6	2.00	15.0		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.72	85.9	2.00	14.0		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.05	84.2	6.00	14.7		
Total BTEX	<0.300	0.300	06/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	06/05/2025	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	06/05/2025	ND	218	109	200	1.23		
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	185	92.4	200	4.20		
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND						

Surrogate: 1-Chlorooctane 87.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.8 % 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:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 35 (4.5') (H253346-07)

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	06/05/2025	ND	1.66	83.0	2.00	15.3		
Toluene*	<0.050	0.050	06/05/2025	ND	1.73	86.6	2.00	15.0		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.72	85.9	2.00	14.0		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.05	84.2	6.00	14.7		
Total BTEX	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	208	16.0	06/05/2025	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	06/05/2025	ND	218	109	200	1.23		
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	185	92.4	200	4.20		
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND						

Surrogate: 1-Chlorooctane 91.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.0 % 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:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 36 (4.5') (H253346-08)

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	06/05/2025	ND	1.66	83.0	2.00	15.3		
Toluene*	<0.050	0.050	06/05/2025	ND	1.73	86.6	2.00	15.0		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.72	85.9	2.00	14.0		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.05	84.2	6.00	14.7		
Total BTEX	<0.300	0.300	06/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/05/2025	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	06/05/2025	ND	218	109	200	1.23		
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	185	92.4	200	4.20		
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND						

Surrogate: 1-Chlorooctane 93.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.3 % 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:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 37 (4.5') (H253346-09)

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	06/05/2025	ND	1.66	83.0	2.00	15.3		
Toluene*	<0.050	0.050	06/05/2025	ND	1.73	86.6	2.00	15.0		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.72	85.9	2.00	14.0		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.05	84.2	6.00	14.7		
Total BTEX	<0.300	0.300	06/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	06/05/2025	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	06/05/2025	ND	218	109	200	1.23		
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	185	92.4	200	4.20		
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND						

Surrogate: 1-Chlorooctane 91.9 % 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:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 38 (4.5') (H253346-10)

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	06/05/2025	ND	1.66	83.0	2.00	15.3		
Toluene*	<0.050	0.050	06/05/2025	ND	1.73	86.6	2.00	15.0		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.72	85.9	2.00	14.0		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.05	84.2	6.00	14.7		
Total BTEX	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	224	16.0	06/05/2025	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	06/05/2025	ND	218	109	200	1.23		
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	185	92.4	200	4.20		
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND						

Surrogate: 1-Chlorooctane 91.6 % 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:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 26 (4.5') (H253346-11)

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	06/05/2025	ND	1.66	83.0	2.00	15.3		
Toluene*	<0.050	0.050	06/05/2025	ND	1.73	86.6	2.00	15.0		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.72	85.9	2.00	14.0		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.05	84.2	6.00	14.7		
Total BTEX	<0.300	0.300	06/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/05/2025	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	06/05/2025	ND	218	109	200	1.23		
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	185	92.4	200	4.20		
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND						

Surrogate: 1-Chlorooctane 83.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.7 % 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:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 27 (4.5') (H253346-12)

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	06/05/2025	ND	1.66	83.0	2.00	15.3	
Toluene*	<0.050	0.050	06/05/2025	ND	1.73	86.6	2.00	15.0	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.72	85.9	2.00	14.0	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.05	84.2	6.00	14.7	
Total BTEX	<0.300	0.300	06/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	336	16.0	06/05/2025	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	06/05/2025	ND	218	109	200	1.23	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	185	92.4	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 69.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 61.3 % 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:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 28 (4.5') (H253346-13)

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	06/05/2025	ND	1.66	83.0	2.00	15.3	
Toluene*	<0.050	0.050	06/05/2025	ND	1.73	86.6	2.00	15.0	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.72	85.9	2.00	14.0	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.05	84.2	6.00	14.7	
Total BTEX	<0.300	0.300	06/05/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/05/2025	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	06/05/2025	ND	218	109	200	1.23	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	185	92.4	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 84.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.3 % 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:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 29 (4.5') (H253346-14)

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	06/05/2025	ND	1.66	83.0	2.00	15.3	
Toluene*	<0.050	0.050	06/05/2025	ND	1.73	86.6	2.00	15.0	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.72	85.9	2.00	14.0	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.05	84.2	6.00	14.7	
Total BTEX	<0.300	0.300	06/05/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	06/05/2025	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	06/05/2025	ND	218	109	200	1.23	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	185	92.4	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.5 % 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:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 30 (4.5') (H253346-15)

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	06/05/2025	ND	1.66	83.0	2.00	15.3		
Toluene*	<0.050	0.050	06/05/2025	ND	1.73	86.6	2.00	15.0		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.72	85.9	2.00	14.0		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.05	84.2	6.00	14.7		
Total BTEX	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	240	16.0	06/05/2025	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	06/05/2025	ND	218	109	200	1.23		
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	185	92.4	200	4.20		
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND						

Surrogate: 1-Chlorooctane 82.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.0 % 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:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 31 (2.5') (H253346-16)

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	06/05/2025	ND	1.66	83.0	2.00	15.3	
Toluene*	<0.050	0.050	06/05/2025	ND	1.73	86.6	2.00	15.0	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.72	85.9	2.00	14.0	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.05	84.2	6.00	14.7	
Total BTEX	<0.300	0.300	06/05/2025	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	288	16.0	06/05/2025	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	06/05/2025	ND	218	109	200	1.23	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	185	92.4	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 87.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.1 % 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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Chain of Custody

Work Order No: 1053340

Page 1 of 2

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 & nathan.rose@coterra.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level: 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:	Wigeon 23-26 Federal Com 4H	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	2714	Due Date:	48hr		
Project Location:	Eddy County, New Mexico				
Sampler's Name:	KR				
PO #:					
SAMPLE RECEIPT	Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters	
Received Intact:	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:	0.4	Chloride 4500	
Total Containers:		Corrected Temperature:	0.7		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Preservative Codes		
CS-29 (4.5')	6/3/2025		X		Comp	1	X	X	X									None: NO	DI Water: H ₂ O
CS-30 (4.5')	6/3/2025		X		Comp	1	X	X	X									Cool: Cool	MeOH: Me
CS-31 (4.5')	6/3/2025		X		Comp	1	X	X	X									HCL: HC	HNO ₃ : HN
CS-32 (4.5')	6/3/2025		X		Comp	1	X	X	X									H ₂ SO ₄ : H ₂	NaOH: Na
CS-33 (4.5')	6/3/2025		X		Comp	1	X	X	X									H ₃ PO ₄ : HP	
CS-34 (4.5')	6/3/2025		X		Comp	1	X	X	X									NAHSO ₄ : NABIS	
CS-35 (4.5')	6/3/2025		X		Comp	1	X	X	X									Na ₂ S ₂ O ₃ : NaSO ₃	
CS-36 (4.5')	6/3/2025		X		Comp	1	X	X	X									Zn Acetate+NaOH: Zn	
CS-37 (4.5')	6/3/2025		X		Comp	1	X	X	X									NaOH+Ascorbic Acid: SAPC	
CS-38 (4.5')	6/3/2025		X		Comp	1	X	X	X										

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	0425 1527	<i>[Signature]</i>	



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

June 09, 2025

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

RE: WIGEON 23 - 26 FEDERAL COM 4H

Enclosed are the results of analyses for samples received by the laboratory on 06/06/25 15:16.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 39 (2.0') (H253405-01)

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	06/06/2025	ND	1.93	96.4	2.00	2.82	
Toluene*	<0.050	0.050	06/06/2025	ND	1.99	99.5	2.00	3.14	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.97	98.5	2.00	3.42	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.82	97.0	6.00	3.30	
Total BTEX	<0.300	0.300	06/06/2025	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	208	16.0	06/09/2025	ND	432	108	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	06/06/2025	ND	208	104	200	0.333	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	210	105	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					

Surrogate: 1-Chlorooctane 71.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.2 % 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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 40 (2.0') (H253405-02)

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	06/06/2025	ND	1.93	96.4	2.00	2.82		
Toluene*	<0.050	0.050	06/06/2025	ND	1.99	99.5	2.00	3.14		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.97	98.5	2.00	3.42		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.82	97.0	6.00	3.30		
Total BTEX	<0.300	0.300	06/06/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/09/2025	ND	400	100	400	7.69		

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	06/06/2025	ND	208	104	200	0.333		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	210	105	200	6.68		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 86.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.3 % 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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 41 (2.0') (H253405-03)

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	06/06/2025	ND	1.93	96.4	2.00	2.82	
Toluene*	<0.050	0.050	06/06/2025	ND	1.99	99.5	2.00	3.14	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.97	98.5	2.00	3.42	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.82	97.0	6.00	3.30	
Total BTEX	<0.300	0.300	06/06/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	06/09/2025	ND	400	100	400	7.69	

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	06/06/2025	ND	208	104	200	0.333	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	210	105	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					

Surrogate: 1-Chlorooctane 80.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.3 % 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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 42 (2.0') (H253405-04)

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	06/06/2025	ND	1.93	96.4	2.00	2.82		
Toluene*	<0.050	0.050	06/06/2025	ND	1.99	99.5	2.00	3.14		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.97	98.5	2.00	3.42		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.82	97.0	6.00	3.30		
Total BTEX	<0.300	0.300	06/06/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	06/09/2025	ND	400	100	400	7.69		

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	06/06/2025	ND	208	104	200	0.333		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	210	105	200	6.68		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 81.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.1 % 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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 43 (2.0') (H253405-05)

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	06/06/2025	ND	1.93	96.4	2.00	2.82		
Toluene*	<0.050	0.050	06/06/2025	ND	1.99	99.5	2.00	3.14		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.97	98.5	2.00	3.42		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.82	97.0	6.00	3.30		
Total BTEX	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	06/09/2025	ND	400	100	400	7.69		

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	06/06/2025	ND	208	104	200	0.333		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	210	105	200	6.68		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 85.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.9 % 40.6-153

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*=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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 44 (2.0') (H253405-06)

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	06/06/2025	ND	1.93	96.4	2.00	2.82		
Toluene*	<0.050	0.050	06/06/2025	ND	1.99	99.5	2.00	3.14		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.97	98.5	2.00	3.42		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.82	97.0	6.00	3.30		
Total BTEX	<0.300	0.300	06/06/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/09/2025	ND	400	100	400	7.69		

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	06/06/2025	ND	208	104	200	0.333		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	210	105	200	6.68		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 84.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.5 % 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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 45 (2.0') (H253405-07)

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	06/06/2025	ND	1.93	96.4	2.00	2.82		
Toluene*	<0.050	0.050	06/06/2025	ND	1.99	99.5	2.00	3.14		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.97	98.5	2.00	3.42		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.82	97.0	6.00	3.30		
Total BTEX	<0.300	0.300	06/06/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	06/09/2025	ND	400	100	400	7.69		

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	06/06/2025	ND	208	104	200	0.333		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	210	105	200	6.68		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 84.7 % 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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 46 (2.0') (H253405-08)

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	06/06/2025	ND	1.93	96.4	2.00	2.82		
Toluene*	<0.050	0.050	06/06/2025	ND	1.99	99.5	2.00	3.14		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.97	98.5	2.00	3.42		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.82	97.0	6.00	3.30		
Total BTEX	<0.300	0.300	06/06/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/09/2025	ND	400	100	400	7.69		

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	06/06/2025	ND	208	104	200	0.333		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	210	105	200	6.68		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 86.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.1 % 40.6-153

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Analytical Results For:

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

Received:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 47 (2.0') (H253405-09)

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	06/06/2025	ND	1.93	96.4	2.00	2.82		
Toluene*	<0.050	0.050	06/06/2025	ND	1.99	99.5	2.00	3.14		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.97	98.5	2.00	3.42		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.82	97.0	6.00	3.30		
Total BTEX	<0.300	0.300	06/06/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/09/2025	ND	400	100	400	7.69		

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	06/06/2025	ND	208	104	200	0.333		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	210	105	200	6.68		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 84.4 % 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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 48 (2.0') (H253405-10)

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	06/06/2025	ND	1.93	96.4	2.00	2.82		
Toluene*	<0.050	0.050	06/06/2025	ND	1.99	99.5	2.00	3.14		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.97	98.5	2.00	3.42		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.82	97.0	6.00	3.30		
Total BTEX	<0.300	0.300	06/06/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/09/2025	ND	400	100	400	7.69		

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	06/06/2025	ND	208	104	200	0.333		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	210	105	200	6.68		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 89.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.4 % 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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 49 (2.0') (H253405-11)

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	06/06/2025	ND	1.93	96.4	2.00	2.82		
Toluene*	<0.050	0.050	06/06/2025	ND	1.99	99.5	2.00	3.14		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.97	98.5	2.00	3.42		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.82	97.0	6.00	3.30		
Total BTEX	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	06/09/2025	ND	400	100	400	7.69		

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	06/06/2025	ND	208	104	200	0.333		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	210	105	200	6.68		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 75.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.9 % 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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 50 (2.0') (H253405-12)

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	06/06/2025	ND	1.83	91.3	2.00	3.17		
Toluene*	<0.050	0.050	06/06/2025	ND	1.92	96.0	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.91	95.6	2.00	4.14	QM-07	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.95	99.2	6.00	3.61		
Total BTEX	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/09/2025	ND	400	100	400	7.69		

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	06/06/2025	ND	209	104	200	0.261		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	199	99.6	200	2.06		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 75.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.5 % 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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 51 (2.0') (H253405-13)

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	06/06/2025	ND	1.83	91.3	2.00	3.17	
Toluene*	<0.050	0.050	06/06/2025	ND	1.92	96.0	2.00	3.46	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.91	95.6	2.00	4.14	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.95	99.2	6.00	3.61	
Total BTEX	<0.300	0.300	06/06/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	06/09/2025	ND	400	100	400	7.69	

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	06/06/2025	ND	209	104	200	0.261	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	199	99.6	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					

Surrogate: 1-Chlorooctane 74.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.1 % 40.6-153

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Analytical Results For:

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

Received:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 52 (2.0') (H253405-14)

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	06/06/2025	ND	1.83	91.3	2.00	3.17		
Toluene*	<0.050	0.050	06/06/2025	ND	1.92	96.0	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.91	95.6	2.00	4.14		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.95	99.2	6.00	3.61		
Total BTEX	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	06/09/2025	ND	400	100	400	7.69		

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	06/06/2025	ND	209	104	200	0.261		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	199	99.6	200	2.06		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 75.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.7 % 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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 53 (2.0') (H253405-15)

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	06/06/2025	ND	1.83	91.3	2.00	3.17		
Toluene*	<0.050	0.050	06/06/2025	ND	1.92	96.0	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.91	95.6	2.00	4.14		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.95	99.2	6.00	3.61		
Total BTEX	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/09/2025	ND	400	100	400	7.69		

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	06/06/2025	ND	209	104	200	0.261		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	199	99.6	200	2.06		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 71.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.9 % 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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 54 (2.0') (H253405-16)

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	06/06/2025	ND	1.83	91.3	2.00	3.17	
Toluene*	<0.050	0.050	06/06/2025	ND	1.92	96.0	2.00	3.46	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.91	95.6	2.00	4.14	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.95	99.2	6.00	3.61	
Total BTEX	<0.300	0.300	06/06/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/09/2025	ND	400	100	400	7.69	

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	06/06/2025	ND	209	104	200	0.261	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	199	99.6	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					

Surrogate: 1-Chlorooctane 77.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.8 % 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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 55 (2.0') (H253405-17)

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	06/06/2025	ND	1.83	91.3	2.00	3.17	
Toluene*	<0.050	0.050	06/06/2025	ND	1.92	96.0	2.00	3.46	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.91	95.6	2.00	4.14	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.95	99.2	6.00	3.61	
Total BTEX	<0.300	0.300	06/06/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	06/09/2025	ND	400	100	400	7.69	

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	06/06/2025	ND	209	104	200	0.261	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	199	99.6	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					

Surrogate: 1-Chlorooctane 75.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.6 % 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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 56 (2.0') (H253405-18)

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	06/06/2025	ND	1.83	91.3	2.00	3.17	
Toluene*	<0.050	0.050	06/06/2025	ND	1.92	96.0	2.00	3.46	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.91	95.6	2.00	4.14	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.95	99.2	6.00	3.61	
Total BTEX	<0.300	0.300	06/06/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/09/2025	ND	400	100	400	7.69	

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	06/06/2025	ND	209	104	200	0.261	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	199	99.6	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					

Surrogate: 1-Chlorooctane 65.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.8 % 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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 57 (2.0') (H253405-19)

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	06/06/2025	ND	1.83	91.3	2.00	3.17		
Toluene*	<0.050	0.050	06/06/2025	ND	1.92	96.0	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.91	95.6	2.00	4.14		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.95	99.2	6.00	3.61		
Total BTEX	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	06/09/2025	ND	400	100	400	7.69		

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	06/06/2025	ND	209	104	200	0.261		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	199	99.6	200	2.06		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 72.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.7 % 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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 58 (2.0') (H253405-20)

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	06/06/2025	ND	1.83	91.3	2.00	3.17	
Toluene*	<0.050	0.050	06/06/2025	ND	1.92	96.0	2.00	3.46	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.91	95.6	2.00	4.14	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.95	99.2	6.00	3.61	
Total BTEX	<0.300	0.300	06/06/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/09/2025	ND	400	100	400	7.69	

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	06/06/2025	ND	209	104	200	0.261	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	199	99.6	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					

Surrogate: 1-Chlorooctane 74.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.0 % 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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW-32 (2.0') (H253405-21)

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	06/06/2025	ND	1.83	91.3	2.00	3.17		
Toluene*	<0.050	0.050	06/06/2025	ND	1.92	96.0	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.91	95.6	2.00	4.14		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.95	99.2	6.00	3.61		
Total BTEX	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	06/09/2025	ND	400	100	400	7.69		

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	06/06/2025	ND	209	104	200	0.261		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	199	99.6	200	2.06		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 71.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.9 % 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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW-33 (2.0') (H253405-22)

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	06/06/2025	ND	1.83	91.3	2.00	3.17		
Toluene*	<0.050	0.050	06/06/2025	ND	1.92	96.0	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.91	95.6	2.00	4.14		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.95	99.2	6.00	3.61		
Total BTEX	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/09/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/06/2025	ND	209	104	200	0.261		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	199	99.6	200	2.06		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 72.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.1 % 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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW-34 (2.0') (H253405-23)

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	06/06/2025	ND	1.83	91.3	2.00	3.17		
Toluene*	<0.050	0.050	06/06/2025	ND	1.92	96.0	2.00	3.46		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.91	95.6	2.00	4.14		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.95	99.2	6.00	3.61		
Total BTEX	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	208	16.0	06/09/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/06/2025	ND	209	104	200	0.261		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	199	99.6	200	2.06		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 75.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.8 % 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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW-35 (2.0') (H253405-24)

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	06/06/2025	ND	1.83	91.3	2.00	3.17	
Toluene*	<0.050	0.050	06/06/2025	ND	1.92	96.0	2.00	3.46	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.91	95.6	2.00	4.14	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.95	99.2	6.00	3.61	
Total BTEX	<0.300	0.300	06/06/2025	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	192	16.0	06/09/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2025	ND	209	104	200	0.261	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	199	99.6	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					

Surrogate: 1-Chlorooctane 73.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.8 % 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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW-36 (2.0') (H253405-25)

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	06/06/2025	ND	1.83	91.3	2.00	3.17	
Toluene*	<0.050	0.050	06/06/2025	ND	1.92	96.0	2.00	3.46	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.91	95.6	2.00	4.14	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.95	99.2	6.00	3.61	
Total BTEX	<0.300	0.300	06/06/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	224	16.0	06/09/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2025	ND	209	104	200	0.261	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	199	99.6	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					

Surrogate: 1-Chlorooctane 75.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.3 % 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:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/09/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW-37 (2.0') (H253405-26)

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	06/06/2025	ND	1.83	91.3	2.00	3.17	
Toluene*	<0.050	0.050	06/06/2025	ND	1.92	96.0	2.00	3.46	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	1.91	95.6	2.00	4.14	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	5.95	99.2	6.00	3.61	
Total BTEX	<0.300	0.300	06/06/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	160	16.0	06/09/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2025	ND	209	104	200	0.261	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	199	99.6	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					

Surrogate: 1-Chlorooctane 74.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- 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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: HS33405

Project Manager: Ashton Thielke
 Company Name: Carmona Resources
 Address: 310 W Wall St Ste 500
 City, State ZIP: Midland, TX 79701
 Phone: 432-813-8988

Bill to: (if different)
 Company Name: Laci Luig
 Address: 600 N Marnefield St, Suite 600
 City, State ZIP: Midland, TX 79701

Email: laci.luig@coterra.com & nathaniel.rose@coterra.com

Project Name: Wigeon 23-26 Federal Com 4H
 Project Number: 2714
 Project Location: Eddy County, New Mexico
 Sampler's Name: KR
 PO #:
 Turn Around: Routine Rush
 Due Date: 24HR

SAMPLE RECEIPT

Received Intact: Yes No
 Cooler Custody Seals: Yes No
 Sample Custody Seals: Yes No
 Total Containers: 5.0

Temp Blank: Yes No
 Thermometer ID: #140
 Correction Factor: FD.38
 Temperature Reading: 5.8
 Corrected Temperature: 5.0

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments
CS-39 (2.0)	6/6/2025		X		Comp	1	BTEX 8021B			None: NO	
CS-40 (2.0)	6/6/2025		X		Comp	1	TPH 8015M (GRO + DRO + MRO)			DI Water: H ₂ O	
CS-41 (2.0)	6/6/2025		X		Comp	1				Cool: Cool	
CS-42 (2.0)	6/6/2025		X		Comp	1				HCL: HC	
CS-43 (2.0)	6/6/2025		X		Comp	1				H ₂ SO ₄ : H ₂	
CS-44 (2.0)	6/6/2025		X		Comp	1				H ₃ PO ₄ : HP	
CS-45 (2.0)	6/6/2025		X		Comp	1				NaHSO ₄ : NABIS	
CS-46 (2.0)	6/6/2025		X		Comp	1				Na ₂ S ₂ O ₃ : NaSO ₃	
CS-47 (2.0)	6/6/2025		X		Comp	1				Zn Acetate+NaOH: Zn	
CS-48 (2.0)	6/6/2025		X		Comp	1				NaOH+Ascorbic Acid: SAPP	

Program: USTR/PST PRP Brownfields RRC Superfund
 State of Project:
 Reporting Level: Level II Level III ST/UST RRP Level IV
 Deliverables: EDD ADAPT Other:
 Work Order Comments

Relinquished by: (Signature) [Signature] Date/Time 06/28/15 10

Received by: (Signature) [Signature] Date/Time 06/28/15 10

Chain of Custody

Work Order No: 1053405

Page 2 of 3

Project Manager: Ashton Thielke
 Company Name: Carmona Resources
 Address: 310 W Wall St Ste 500
 City, State ZIP: Midland, TX 79701
 Phone: 432-813-8988

Bill to: (if different)
 Company Name: Cimarx Energy
 Address: 600 N Marrenfield St, Suite 600
 City, State ZIP: Midland, TX 79701

Email: laeli.luig@coterra.com & nathaniel.rose@coterra.com

Work Order Comments
 Program: UST/PST PRP Brownfields RC Iperfund
 State of Project: Level II Level III ST/UST RRP Level IV
 Deliverables: EDD ADAPT Other:

Project Name: Wigeon 23-26 Federal Com 4H
 Project Number: 2714
 Project Location: Eddy County, New Mexico
 Sampler's Name: KR
 PO #: Routine Rush
 Due Date: 24-HR

Turn Around

Temp Blank: Yes No
 Received Intact: Yes No
 Cooler Custody Seals: Yes No
 Sample Custody Seals: Yes No
 Total Containers: 5-0-2

ANALYSIS REQUEST

Parameters

BTEX 8021B
 TPH 8015M (GRO + DRO + MRO)
 Chloride 4500

Preservative Codes
 None: NO
 Cool: Cool
 HCL: HC
 H₂SO₄: H₂
 H₃PO₄: HP
 NaHSO₄: NABIS
 Na₂S₂O₅: NaSO₅
 Zn Acetate+NaOH: Zn
 NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments
CS-49 (2.0')	6/6/2025		X		Comp	1	X	X	X		
CS-50 (2.0')	6/6/2025		X		Comp	1	X	X	X		
CS-51 (2.0')	6/6/2025		X		Comp	1	X	X	X		
CS-52 (2.0')	6/6/2025		X		Comp	1	X	X	X		
CS-53 (2.0')	6/6/2025		X		Comp	1	X	X	X		
CS-54 (2.0')	6/6/2025		X		Comp	1	X	X	X		
CS-55 (2.0')	6/6/2025		X		Comp	1	X	X	X		
CS-56 (2.0')	6/6/2025		X		Comp	1	X	X	X		
CS-57 (2.0')	6/6/2025		X		Comp	1	X	X	X		
CS-58 (2.0')	6/6/2025		X		Comp	1	X	X	X		

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

APR 10 10:05/1910

Chain of Custody

Work Order No: 1452005

Project Manager: Ashton Thielke
 Company Name: Carmora Resources
 Address: 310 W Wall St Ste 500
 City, State ZIP: Midland, TX 79701
 Phone: 432-813-8988

Bill to: (if different)
 Company Name: Laci Luig
 Address: 600 N Marnefield St, Suite 600
 City, State ZIP: Midland, TX 79701

Project Name: Wigeon 23-26 Federal Com 4H
 Project Number: 2714
 Project Location: Eddy County, New Mexico
 Sampler's Name: KR
 PO #:
 Turn Around: Routine Rush
 Due Date: 24HR.

Email: laci.luig@colerra.com & nathaniel.rose@colerra.com

Program: UST/PST PRP Brownfields RRC Superfund
 State of Project:
 Reporting Level II Level III ST/UST RRP Level IV
 Deliverables: EDD ADAPT Other:
 Work Order Comments

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters		Pres. Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)				
SW-32 (2.0')	6/6/2025		X		Comp	1	X	X		None: NO	DI Water: H ₂ O	
SW-33 (2.0')	6/6/2025		X		Comp	1	X	X		Cool: Cool	MeOH: Me	
SW-34 (2.0')	6/6/2025		X		Comp	1	X	X		HCL: HC	HNO ₃ : HN	
SW-35 (2.0')	6/6/2025		X		Comp	1	X	X		H ₂ SO ₄ : H ₂	NaOH: Na	
SW-36 (2.0')	6/6/2025		X		Comp	1	X	X		H ₃ PO ₄ : HP		
SW-37 (2.0')	6/6/2025		X		Comp	1	X	X		NaHSO ₄ : NABIS		
										Na ₂ S ₂ O ₃ : NaSO ₃		
										Zn Acetate+NaOH: Zn		
										NaOH+Ascorbic Acid: SAPC		

SAMPLE RECEIPT

Received Intact: Yes No
 Cooler Custody Seals: Yes No
 Sample Custody Seals: Yes No
 Total Containers: 5.02

Temp Blank: Yes No
 Thermometer ID: #146
 Correction Factor: 70.31
 Temperature Reading: 5.31
 Corrected Temperature: 5.02

Relinquished by: (Signature) *[Signature]* Date/Time *[Blank]*

Received by: (Signature) *[Signature]* Date/Time *6/6/25/1510*



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

June 06, 2025

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

RE: WIGEON 23 - 26 FEDERAL COM 4H

Enclosed are the results of analyses for samples received by the laboratory on 06/05/25 14:21.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/05/2025	Sampling Date:	06/05/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS-13 (2.25') (H253376-01)

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	06/05/2025	ND	2.12	106	2.00	1.34	
Toluene*	<0.050	0.050	06/05/2025	ND	1.97	98.4	2.00	1.86	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.00	100	2.00	2.20	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.14	102	6.00	1.99	
Total BTEX	<0.300	0.300	06/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 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	06/06/2025	ND	400	100	400	14.8	

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	06/05/2025	ND	203	102	200	2.67	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	201	100	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 79.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.4 % 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:	06/05/2025	Sampling Date:	06/05/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS-14 (2.25') (H253376-02)

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	06/05/2025	ND	2.12	106	2.00	1.34		
Toluene*	<0.050	0.050	06/05/2025	ND	1.97	98.4	2.00	1.86		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.00	100	2.00	2.20		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.14	102	6.00	1.99		
Total BTEX	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 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	80.0	16.0	06/06/2025	ND	400	100	400	14.8		

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	06/05/2025	ND	203	102	200	2.67		
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	201	100	200	2.95		
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND						

Surrogate: 1-Chlorooctane 74.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.3 % 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:	06/05/2025	Sampling Date:	06/05/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS-16 (2.25') (H253376-03)

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	06/05/2025	ND	2.12	106	2.00	1.34		
Toluene*	<0.050	0.050	06/05/2025	ND	1.97	98.4	2.00	1.86		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.00	100	2.00	2.20		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.14	102	6.00	1.99		
Total BTEX	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/06/2025	ND	400	100	400	14.8		

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	06/05/2025	ND	203	102	200	2.67		
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	201	100	200	2.95		
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND						

Surrogate: 1-Chlorooctane 74.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.3 % 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:	06/05/2025	Sampling Date:	06/05/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS-17 (2.25') (H253376-04)

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	06/05/2025	ND	2.12	106	2.00	1.34		
Toluene*	<0.050	0.050	06/05/2025	ND	1.97	98.4	2.00	1.86		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.00	100	2.00	2.20		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.14	102	6.00	1.99		
Total BTEX	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 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	64.0	16.0	06/06/2025	ND	400	100	400	14.8		

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	06/05/2025	ND	203	102	200	2.67		
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	201	100	200	2.95		
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND						

Surrogate: 1-Chlorooctane 75.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- 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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 1053376

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 Marrenfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com & nathaniel.rose@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:	Project Number:	Project Location:	Sampler's Name:	PO #:	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes
					<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date:	24hr	BTEX 8021B	
Wigeont 23-26 Federal Com 4H	2714	Eddy County, New Mexico	KR		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush					
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Freeze/Thawer ID:	#140				
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	5.12	Correction Factor:	5.12				
Total Containers:		Corrected Temperature:	5.42								
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Sample Comments	
CS-13 (2.25)	6/5/2025		X		Comp	1	X	X	X		
CS-14 (2.25)	6/5/2025		X		Comp	1	X	X	X		
CS-16 (2.25)	6/5/2025		X		Comp	1	X	X	X		
CS-17 (2.25)	6/5/2025		X		Comp	1	X	X	X		

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time



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

June 06, 2025

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

RE: WIGEON 23 - 26 FEDERAL COM 4H

Enclosed are the results of analyses for samples received by the laboratory on 06/05/25 14:21.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/05/2025	Sampling Date:	06/05/2025
Reported:	06/06/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: BACKFILL (H253375-01)

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	06/05/2025	ND	2.12	106	2.00	1.34	
Toluene*	<0.050	0.050	06/05/2025	ND	1.97	98.4	2.00	1.86	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	2.00	100	2.00	2.20	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	6.14	102	6.00	1.99	
Total BTEX	<0.300	0.300	06/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	176	16.0	06/06/2025	ND	400	100	400	14.8	

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	06/05/2025	ND	203	102	200	2.67	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	201	100	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					

Surrogate: 1-Chlorooctane 75.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- 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

Cardinal Laboratories

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

October 20, 2025

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

RE: WIGEON 23 - 26 FEDERAL COM 4H

Enclosed are the results of analyses for samples received by the laboratory on 10/17/25 11:44.

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:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: BACKFILL SAMPLE (H256567-01)

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	10/17/2025	ND	1.80	90.1	2.00	0.238	
Toluene*	<0.050	0.050	10/17/2025	ND	1.84	92.1	2.00	0.415	
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	1.82	90.8	2.00	1.00	
Total Xylenes*	<0.150	0.150	10/17/2025	ND	5.68	94.7	6.00	1.17	
Total BTEX	<0.300	0.300	10/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

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	10/20/2025	ND	448	112	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	10/18/2025	ND	235	118	200	3.43	
DRO >C10-C28*	<10.0	10.0	10/18/2025	ND	205	102	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	10/18/2025	ND					

Surrogate: 1-Chlorooctane 83.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.1 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- 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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

October 20, 2025

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

RE: WIGEON 23 - 26 FEDERAL COM 4H

Enclosed are the results of analyses for samples received by the laboratory on 10/17/25 11:44.

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:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 1 (1.0') (H256568-01)

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	10/17/2025	ND	1.80	90.1	2.00	0.238	
Toluene*	<0.050	0.050	10/17/2025	ND	1.84	92.1	2.00	0.415	
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	1.82	90.8	2.00	1.00	
Total Xylenes*	<0.150	0.150	10/17/2025	ND	5.68	94.7	6.00	1.17	
Total BTEX	<0.300	0.300	10/17/2025	ND					

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

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	10/20/2025	ND	448	112	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	10/18/2025	ND	235	118	200	3.43	
DRO >C10-C28*	<10.0	10.0	10/18/2025	ND	205	102	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	10/18/2025	ND					

Surrogate: 1-Chlorooctane 91.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 2 (1.0') (H256568-02)

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	10/17/2025	ND	1.80	90.1	2.00	0.238		
Toluene*	<0.050	0.050	10/17/2025	ND	1.84	92.1	2.00	0.415		
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	1.82	90.8	2.00	1.00		
Total Xylenes*	<0.150	0.150	10/17/2025	ND	5.68	94.7	6.00	1.17		
Total BTEX	<0.300	0.300	10/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/20/2025	ND	448	112	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	10/18/2025	ND	235	118	200	3.43		
DRO >C10-C28*	<10.0	10.0	10/18/2025	ND	205	102	200	1.17		
EXT DRO >C28-C36	<10.0	10.0	10/18/2025	ND						

Surrogate: 1-Chlorooctane 91.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.2 % 39.9-141

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Analytical Results For:

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

Received:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 3 (2.0') (H256568-03)

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	10/17/2025	ND	1.80	90.1	2.00	0.238	
Toluene*	<0.050	0.050	10/17/2025	ND	1.84	92.1	2.00	0.415	
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	1.82	90.8	2.00	1.00	
Total Xylenes*	<0.150	0.150	10/17/2025	ND	5.68	94.7	6.00	1.17	
Total BTEX	<0.300	0.300	10/17/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/20/2025	ND	448	112	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	10/18/2025	ND	235	118	200	3.43	
DRO >C10-C28*	<10.0	10.0	10/18/2025	ND	205	102	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	10/18/2025	ND					

Surrogate: 1-Chlorooctane 93.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.9 % 39.9-141

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Analytical Results For:

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

Received:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 4 (2.0') (H256568-04)

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	10/17/2025	ND	2.18	109	2.00	0.124		
Toluene*	<0.050	0.050	10/17/2025	ND	2.06	103	2.00	0.361		
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.08	104	2.00	1.06		
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.37	106	6.00	1.09		
Total BTEX	<0.300	0.300	10/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/20/2025	ND	448	112	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	10/18/2025	ND	235	118	200	3.43		
DRO >C10-C28*	<10.0	10.0	10/18/2025	ND	205	102	200	1.17		
EXT DRO >C28-C36	<10.0	10.0	10/18/2025	ND						

Surrogate: 1-Chlorooctane 93.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.6 % 39.9-141

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Analytical Results For:

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

Received:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 5 (2.0') (H256568-05)

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	10/17/2025	ND	2.18	109	2.00	0.124		
Toluene*	<0.050	0.050	10/17/2025	ND	2.06	103	2.00	0.361		
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.08	104	2.00	1.06		
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.37	106	6.00	1.09		
Total BTEX	<0.300	0.300	10/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/20/2025	ND	448	112	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	10/18/2025	ND	235	118	200	3.43		
DRO >C10-C28*	<10.0	10.0	10/18/2025	ND	205	102	200	1.17		
EXT DRO >C28-C36	<10.0	10.0	10/18/2025	ND						

Surrogate: 1-Chlorooctane 95.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.9 % 39.9-141

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Analytical Results For:

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

Received:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 6 (2.0') (H256568-06)

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	10/17/2025	ND	2.18	109	2.00	0.124		
Toluene*	<0.050	0.050	10/17/2025	ND	2.06	103	2.00	0.361		
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.08	104	2.00	1.06		
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.37	106	6.00	1.09		
Total BTEX	<0.300	0.300	10/17/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/20/2025	ND	448	112	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	10/18/2025	ND	235	118	200	3.43		
DRO >C10-C28*	<10.0	10.0	10/18/2025	ND	205	102	200	1.17		
EXT DRO >C28-C36	<10.0	10.0	10/18/2025	ND						

Surrogate: 1-Chlorooctane 94.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.7 % 39.9-141

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Analytical Results For:

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

Received:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 7 (2.0') (H256568-07)

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	10/17/2025	ND	2.18	109	2.00	0.124	
Toluene*	<0.050	0.050	10/17/2025	ND	2.06	103	2.00	0.361	
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.08	104	2.00	1.06	
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.37	106	6.00	1.09	
Total BTEX	<0.300	0.300	10/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/20/2025	ND	448	112	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	10/18/2025	ND	235	118	200	3.43	
DRO >C10-C28*	<10.0	10.0	10/18/2025	ND	205	102	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	10/18/2025	ND					

Surrogate: 1-Chlorooctane 77.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 71.1 % 39.9-141

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Analytical Results For:

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

Received:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 8 (2.0') (H256568-08)

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	10/17/2025	ND	2.18	109	2.00	0.124	
Toluene*	<0.050	0.050	10/17/2025	ND	2.06	103	2.00	0.361	
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.08	104	2.00	1.06	
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.37	106	6.00	1.09	
Total BTEX	<0.300	0.300	10/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/20/2025	ND	448	112	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	10/18/2025	ND	235	118	200	3.43	
DRO >C10-C28*	<10.0	10.0	10/18/2025	ND	205	102	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	10/18/2025	ND					

Surrogate: 1-Chlorooctane 89.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.6 % 39.9-141

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Analytical Results For:

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

Received:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 1 (1.0') (H256568-09)

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	10/17/2025	ND	2.18	109	2.00	0.124	
Toluene*	<0.050	0.050	10/17/2025	ND	2.06	103	2.00	0.361	
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.08	104	2.00	1.06	
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.37	106	6.00	1.09	
Total BTEX	<0.300	0.300	10/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/20/2025	ND	448	112	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	10/18/2025	ND	235	118	200	3.43	
DRO >C10-C28*	<10.0	10.0	10/18/2025	ND	205	102	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	10/18/2025	ND					

Surrogate: 1-Chlorooctane 91.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.4 % 39.9-141

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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:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 2 (1.0') (H256568-10)

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	10/17/2025	ND	2.18	109	2.00	0.124	
Toluene*	<0.050	0.050	10/17/2025	ND	2.06	103	2.00	0.361	
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.08	104	2.00	1.06	
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.37	106	6.00	1.09	
Total BTEX	<0.300	0.300	10/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/20/2025	ND	448	112	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	10/18/2025	ND	235	118	200	3.43	
DRO >C10-C28*	<10.0	10.0	10/18/2025	ND	205	102	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	10/18/2025	ND					

Surrogate: 1-Chlorooctane 85.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.9 % 39.9-141

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Analytical Results For:

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

Received:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 3 (1.0') (H256568-11)

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	10/17/2025	ND	2.18	109	2.00	0.124	
Toluene*	<0.050	0.050	10/17/2025	ND	2.06	103	2.00	0.361	
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.08	104	2.00	1.06	
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.37	106	6.00	1.09	
Total BTEX	<0.300	0.300	10/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/20/2025	ND	448	112	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	10/18/2025	ND	235	118	200	3.43	
DRO >C10-C28*	<10.0	10.0	10/18/2025	ND	205	102	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	10/18/2025	ND					

Surrogate: 1-Chlorooctane 97.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.5 % 39.9-141

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Analytical Results For:

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

Received:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 4 (1.0-2.0') (H256568-12)

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	10/17/2025	ND	2.18	109	2.00	0.124	
Toluene*	<0.050	0.050	10/17/2025	ND	2.06	103	2.00	0.361	
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.08	104	2.00	1.06	
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.37	106	6.00	1.09	
Total BTEX	<0.300	0.300	10/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/20/2025	ND	448	112	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	10/18/2025	ND	235	118	200	3.43	
DRO >C10-C28*	<10.0	10.0	10/18/2025	ND	205	102	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	10/18/2025	ND					

Surrogate: 1-Chlorooctane 97.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.8 % 39.9-141

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Analytical Results For:

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

Received:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 5 (2.0') (H256568-13)

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	10/17/2025	ND	2.18	109	2.00	0.124	
Toluene*	<0.050	0.050	10/17/2025	ND	2.06	103	2.00	0.361	
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.08	104	2.00	1.06	
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.37	106	6.00	1.09	
Total BTEX	<0.300	0.300	10/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/20/2025	ND	448	112	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	10/18/2025	ND	235	118	200	3.43	
DRO >C10-C28*	<10.0	10.0	10/18/2025	ND	205	102	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	10/18/2025	ND					

Surrogate: 1-Chlorooctane 90.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.9 % 39.9-141

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Analytical Results For:

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

Received:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 6 (2.0') (H256568-14)

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	10/17/2025	ND	2.18	109	2.00	0.124	
Toluene*	<0.050	0.050	10/17/2025	ND	2.06	103	2.00	0.361	
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.08	104	2.00	1.06	
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.37	106	6.00	1.09	
Total BTEX	<0.300	0.300	10/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/20/2025	ND	448	112	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	10/18/2025	ND	235	118	200	3.43	
DRO >C10-C28*	<10.0	10.0	10/18/2025	ND	205	102	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	10/18/2025	ND					

Surrogate: 1-Chlorooctane 90.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.6 % 39.9-141

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Analytical Results For:

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

Received:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 7 (2.0') (H256568-15)

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	10/17/2025	ND	2.18	109	2.00	0.124		
Toluene*	<0.050	0.050	10/17/2025	ND	2.06	103	2.00	0.361		
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.08	104	2.00	1.06		
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.37	106	6.00	1.09		
Total BTEX	<0.300	0.300	10/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/20/2025	ND	448	112	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	10/18/2025	ND	235	118	200	3.43		
DRO >C10-C28*	<10.0	10.0	10/18/2025	ND	205	102	200	1.17		
EXT DRO >C28-C36	<10.0	10.0	10/18/2025	ND						

Surrogate: 1-Chlorooctane 91.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.5 % 39.9-141

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Analytical Results For:

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

Received:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 8 (2.0') (H256568-16)

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	10/17/2025	ND	2.18	109	2.00	0.124		
Toluene*	<0.050	0.050	10/17/2025	ND	2.06	103	2.00	0.361		
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.08	104	2.00	1.06		
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.37	106	6.00	1.09		
Total BTEX	<0.300	0.300	10/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	10/20/2025	ND	448	112	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	10/18/2025	ND	235	118	200	3.43		
DRO >C10-C28*	<10.0	10.0	10/18/2025	ND	205	102	200	1.17		
EXT DRO >C28-C36	<10.0	10.0	10/18/2025	ND						

Surrogate: 1-Chlorooctane 93.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.3 % 39.9-141

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Analytical Results For:

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

Received:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 9 (2.0') (H256568-17)

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	10/17/2025	ND	2.18	109	2.00	0.124	
Toluene*	<0.050	0.050	10/17/2025	ND	2.06	103	2.00	0.361	
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.08	104	2.00	1.06	
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.37	106	6.00	1.09	
Total BTEX	<0.300	0.300	10/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/20/2025	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	10/18/2025	ND	235	118	200	3.43	
DRO >C10-C28*	<10.0	10.0	10/18/2025	ND	205	102	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	10/18/2025	ND					

Surrogate: 1-Chlorooctane 92.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.6 % 39.9-141

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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:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 10 (2.0') (H256568-18)

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	10/17/2025	ND	2.18	109	2.00	0.124		
Toluene*	<0.050	0.050	10/17/2025	ND	2.06	103	2.00	0.361		
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.08	104	2.00	1.06		
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.37	106	6.00	1.09		
Total BTEX	<0.300	0.300	10/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/20/2025	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	10/18/2025	ND	235	118	200	3.43		
DRO >C10-C28*	<10.0	10.0	10/18/2025	ND	205	102	200	1.17		
EXT DRO >C28-C36	<10.0	10.0	10/18/2025	ND						

Surrogate: 1-Chlorooctane 91.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.5 % 39.9-141

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Analytical Results For:

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

Received:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/20/2025	Sampling Type:	Soil
Project Name:	WIGEON 23 - 26 FEDERAL COM 4H	Sampling Condition:	Cool & Intact
Project Number:	2714	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 11 (2.0') (H256568-19)

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	10/17/2025	ND	2.18	109	2.00	0.124		
Toluene*	<0.050	0.050	10/17/2025	ND	2.06	103	2.00	0.361		
Ethylbenzene*	<0.050	0.050	10/17/2025	ND	2.08	104	2.00	1.06		
Total Xylenes*	<0.150	0.150	10/17/2025	ND	6.37	106	6.00	1.09		
Total BTEX	<0.300	0.300	10/17/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	10/20/2025	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	10/18/2025	ND	235	118	200	3.43		
DRO >C10-C28*	<10.0	10.0	10/18/2025	ND	205	102	200	1.17		
EXT DRO >C28-C36	<10.0	10.0	10/18/2025	ND						

Surrogate: 1-Chlorooctane 88.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.5 % 39.9-141

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Notes and Definitions

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

QUESTIONS

Action 525758

QUESTIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 525758
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511930904
Incident Name	NAPP2511930904 WIGEON 23-26 FED COM 4H @ 30-015-43760
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-43760] WIGEON 23 26 FEDERAL COM #004H

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	WIGEON 23-26 FED COM 4H
Date Release Discovered	04/29/2025
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water 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	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Other (Specify) Produced Water Released: 174 BBL Recovered: 20 BBL Lost: 154 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 525758

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 525758
	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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

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	A vac truck was sent out to recover what we could.

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: 11/12/2025
--	--

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QUESTIONS, Page 3

Action 525758

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 525758
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
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	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	5200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	754
GRO+DRO (EPA SW-846 Method 8015M)	500
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	05/27/2025
On what date will (or did) the final sampling or liner inspection occur	10/17/2025
On what date will (or was) the remediation complete(d)	10/24/2025
What is the estimated surface area (in square feet) that will be reclaimed	9250
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	7564
What is the estimated volume (in cubic yards) that will be remediated	670

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 525758

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 525758
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

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

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

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
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	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R-360 Red Bluff - Orla, TX
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 11/12/2025
--	--

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 525758

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 525758
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 525758

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 525758
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	514659
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/20/2025
What was the (estimated) number of samples that were to be gathered	20
What was the sampling surface area in square feet	1250

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

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	7564
What was the total volume (cubic yards) remediated	670
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	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Areas under the facility equipment/containment were attempted to be deferred and denied. Production equipment was downsized over top of the area that was attempted to be deferred and all impact was removed to remove the rest of the contamination left onsite from where the remediation left off in May/June 2025. The entire release area has now been remediated to strictest standards set in NMAC 19.15.29.12.

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 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: 11/12/2025
--	--

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QUESTIONS, Page 7

Action 525758

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 525758
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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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 525758

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 525758
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	1/15/2026