

CARMONA RESOURCES



## SITE INFORMATION

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**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.**  
**6001 Deauville Blvd.**  
**Suite 300N**  
**Midland, Texas 79706**

**Prepared by:**  
**Carmona Resources, LLC**  
**310 West Wall Street**  
**Suite 500**  
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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

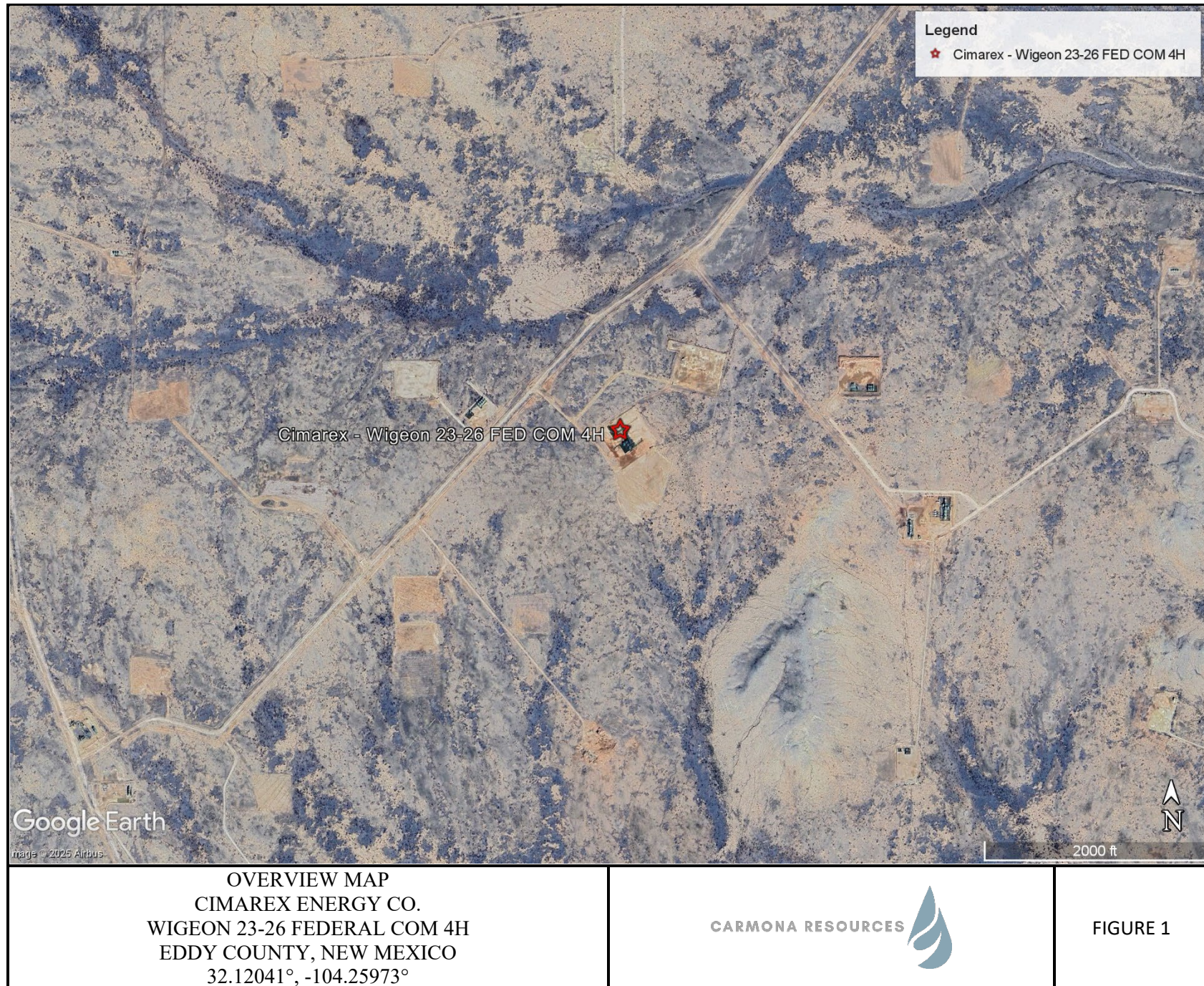
Riley Plogger  
Project Manager

## FIGURES

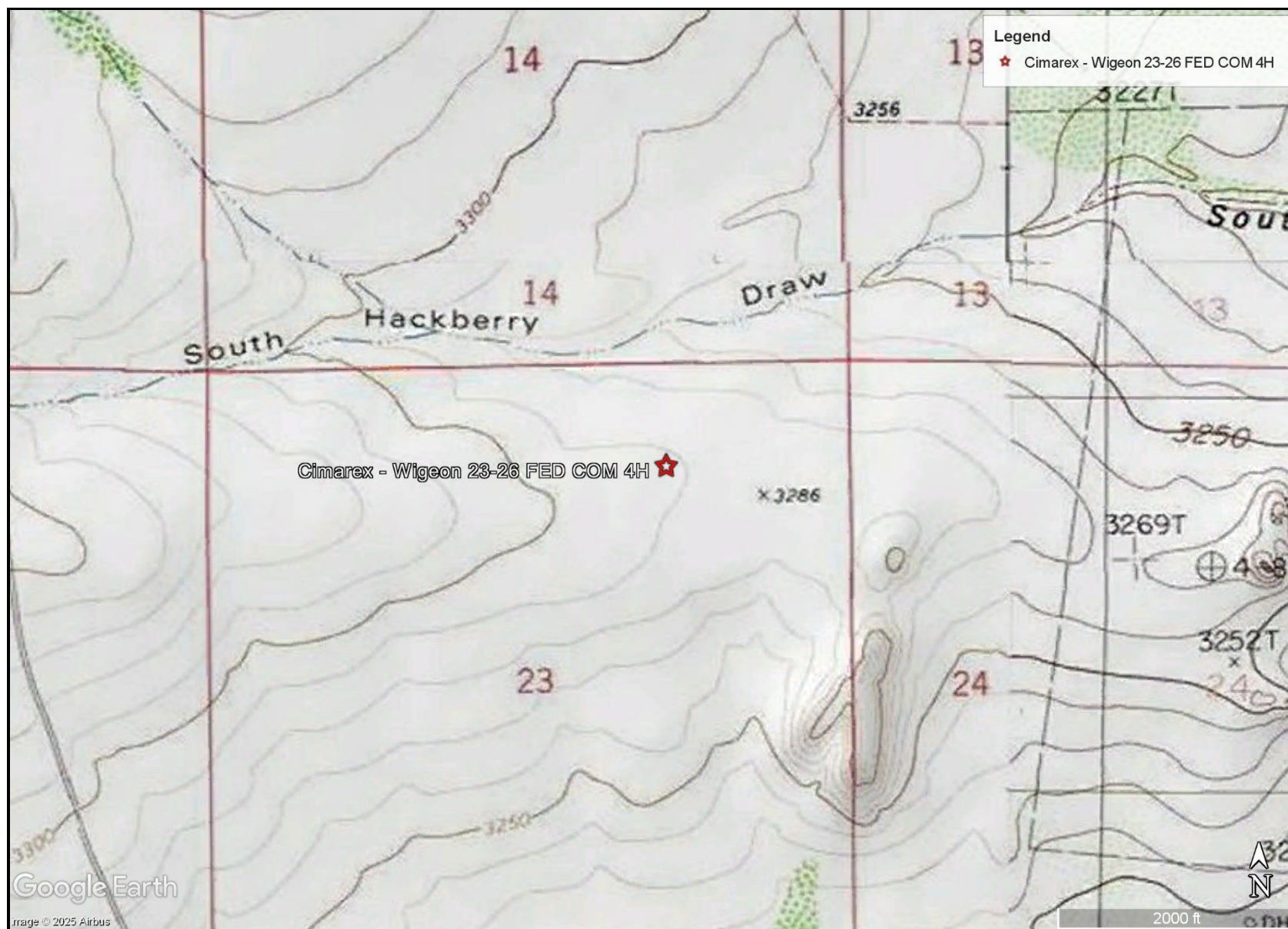
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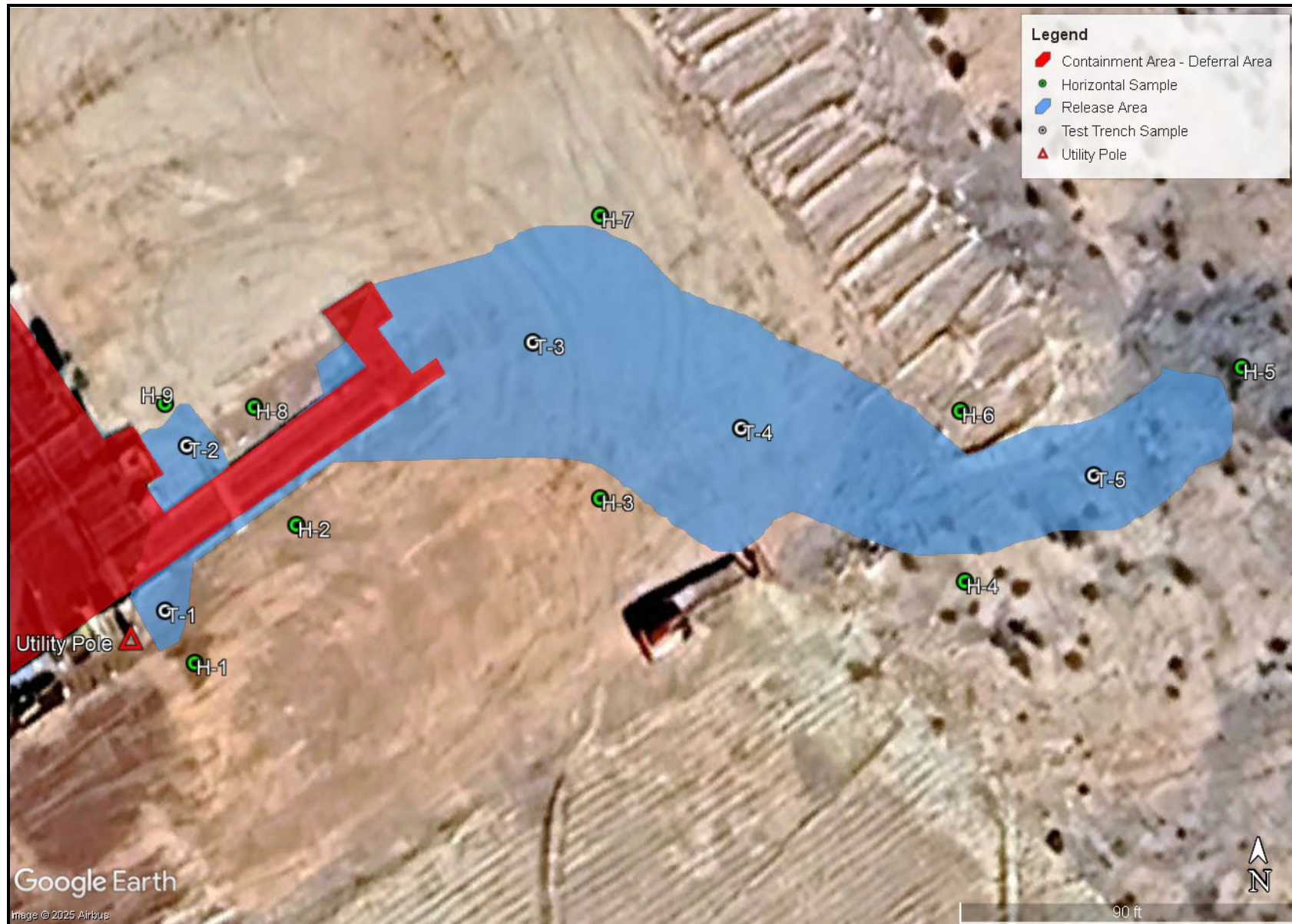
TOPOGRAPHIC MAP  
 CIMAREX ENERGY CO.  
 WIGEON 23-26 FEDERAL COM 4H  
 EDDY COUNTY, NEW MEXICO  
 32.12041°, -104.25973°

CARMONA RESOURCES



FIGURE 2





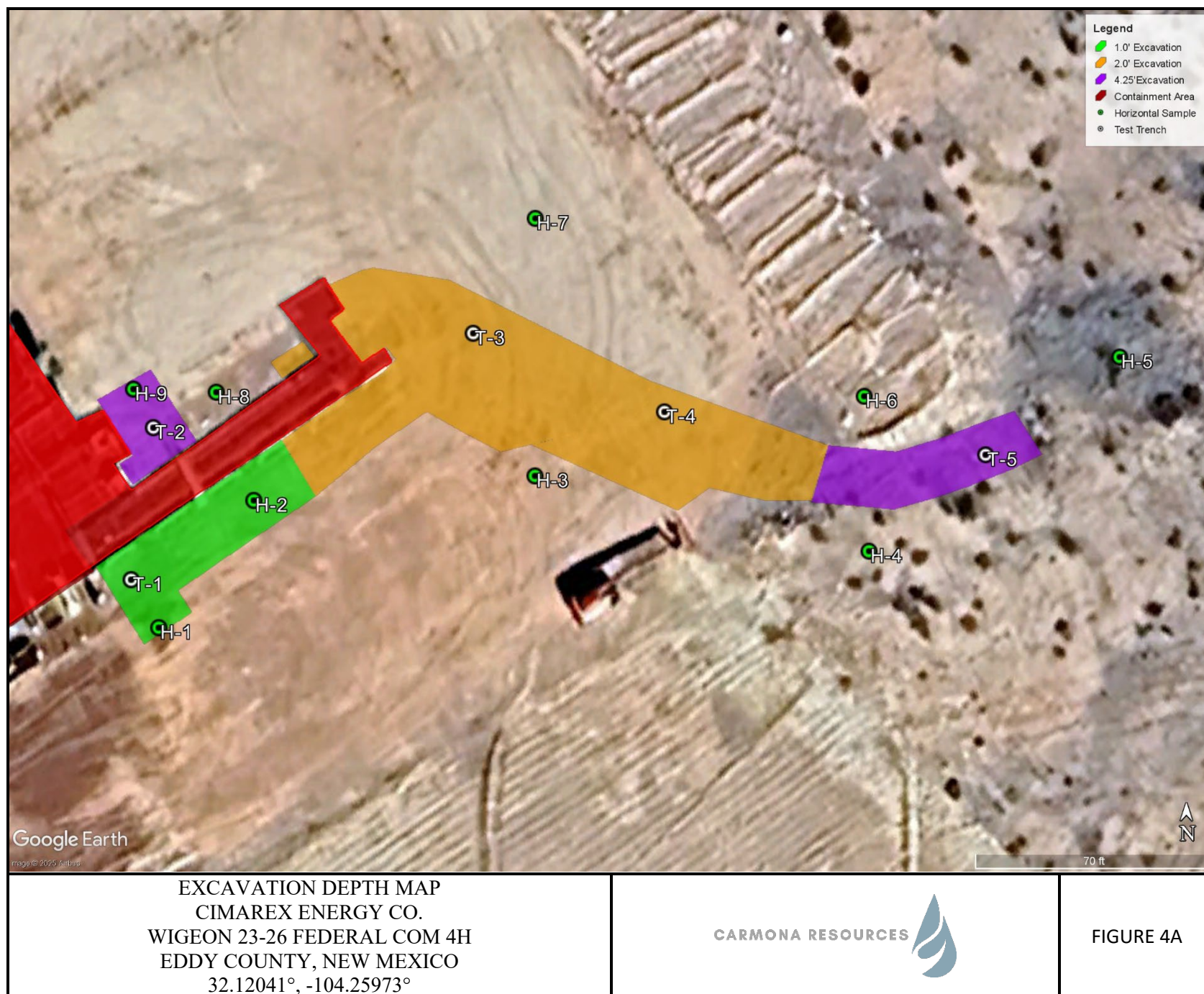
SAMPLE LOCATION MAP  
CIMAREX ENERGY CO.  
WIGEON 23-26 FEDERAL COM 4H  
EDDY COUNTY, NEW MEXICO  
32.12041°, -104.25973°

CARMONA RESOURCES

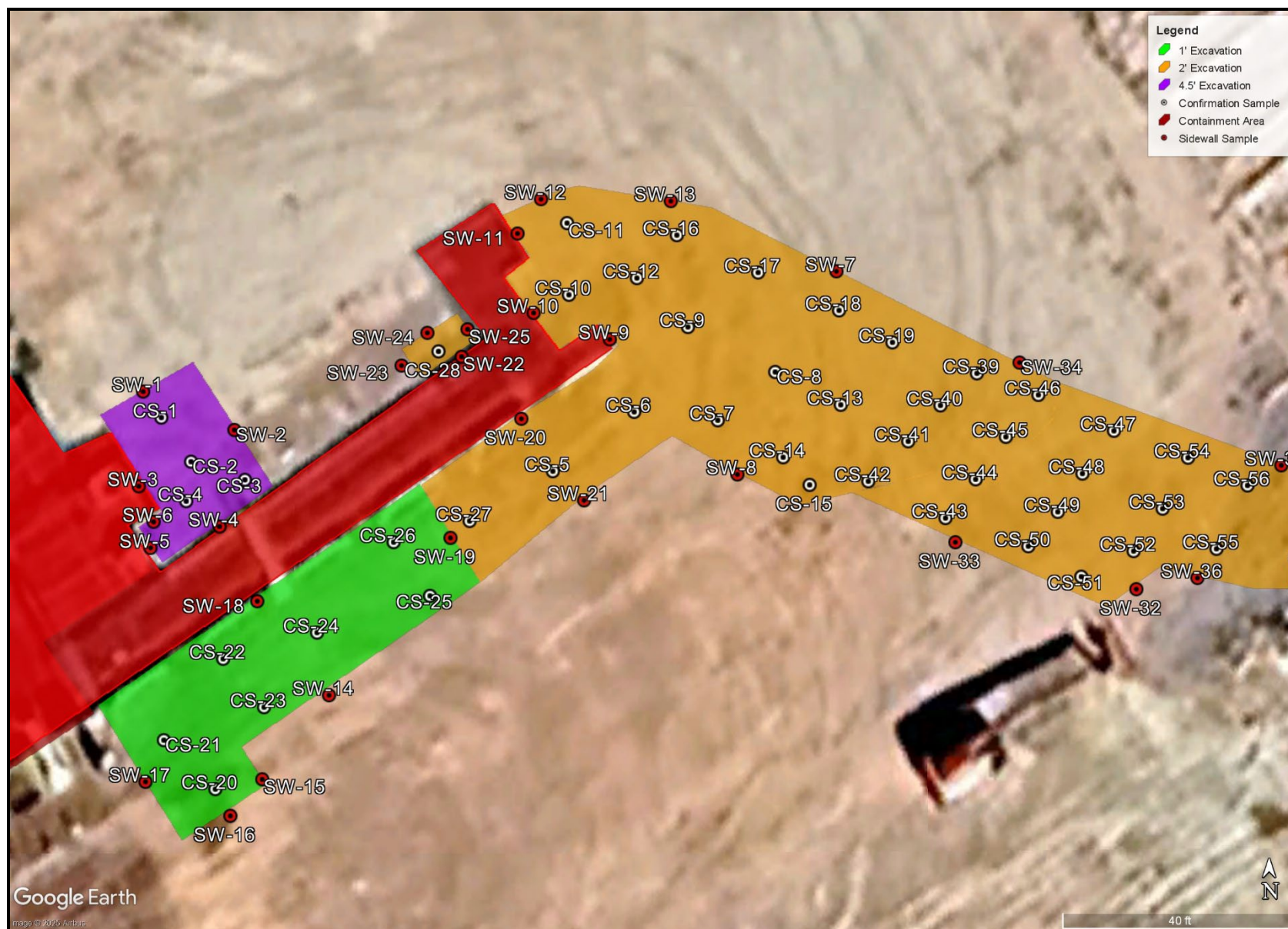


FIGURE 3







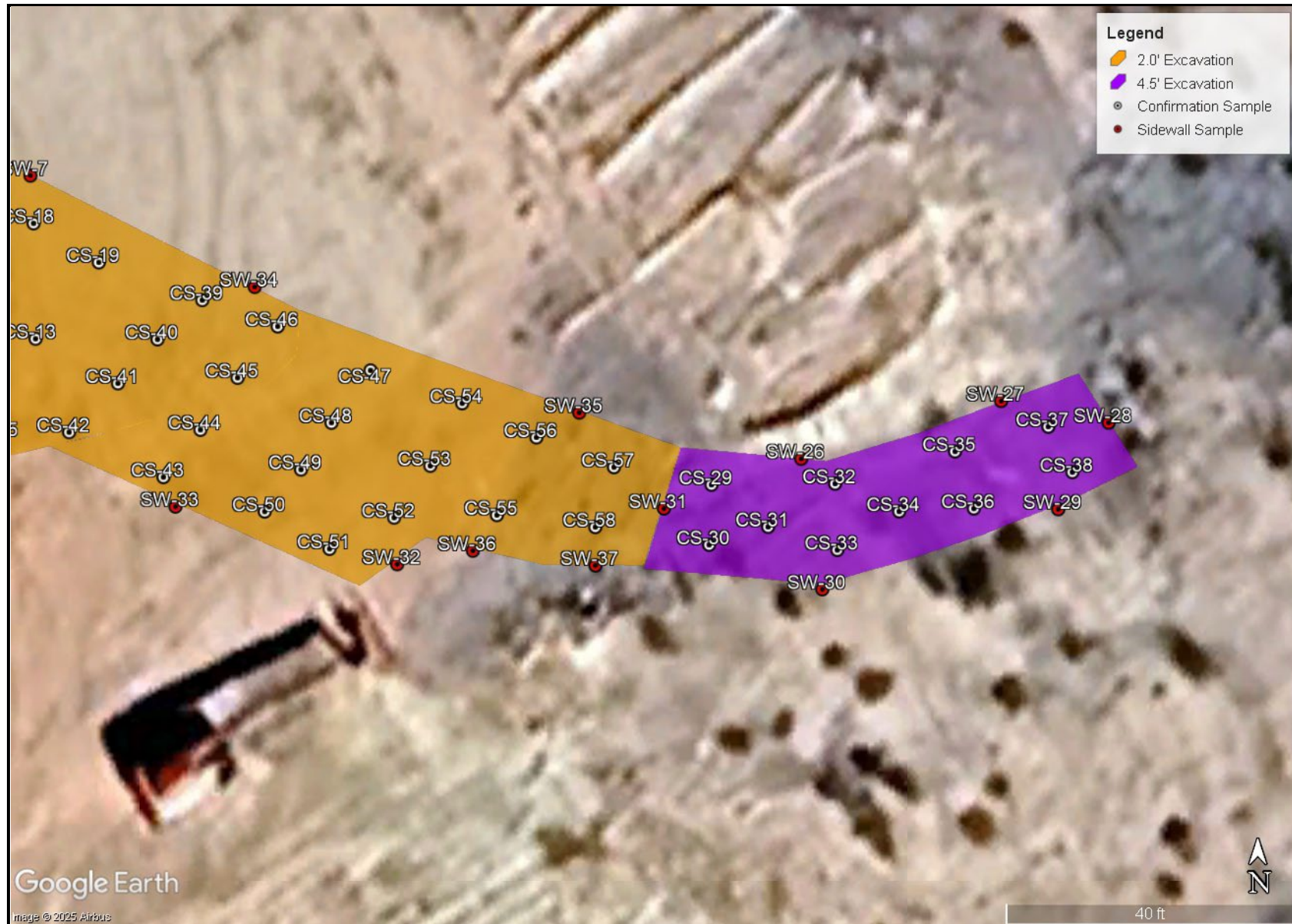


EXCAVATION DEPTH MAP  
 CIMAREX ENERGY CO.  
 WIGEON 23-26 FEDERAL COM 4H  
 EDDY COUNTY, NEW MEXICO  
 32.12041°, -104.25973°

CARMONA RESOURCES



FIGURE 4B



EXCAVATION DEPTH MAP  
CIMAREX ENERGY CO.  
WIGEON 23-26 FEDERAL COM 4H  
EDDY COUNTY, NEW MEXICO  
32.12041°, -104.25973°



FIGURE 4C





## 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) | Ethylbenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|--|-----------|------------|-------------|-------|-------|-------|------------------|-----------------|----------------------|----------------|--------------------|------------------|
|  |           |            | GRO         | DRO   | MRO   | Total |                  |                 |                      |                |                    |                  |
| <b>T-1</b>                             | 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              |
| <b>T-2</b>                             | 5/13/2025 | 0-1.0'     | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | <b>2,800</b>     |
|  | "         | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | <b>656</b>       |
|  | "         | 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             | <b>2,080</b>     |
|  | "         | 5.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 112              |
| <b>T-3</b>                             | 5/13/2025 | 0-1.0'     | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | <b>1,800</b>     |
|  | "         | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | <b>816</b>       |
|  | "         | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 336              |
| <b>T-4</b>                             | 5/13/2025 | 0-1.0'     | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | <b>1,720</b>     |
|  | "         | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | <b>1,250</b>     |
|  | "         | 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              |
| <b>T-5</b>                             | 5/13/2025 | 0-1.0'     | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | <b>1,800</b>     |
|  | "         | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | <b>2,100</b>     |
|  | "         | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | <b>1,490</b>     |
|  | "         | 3.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | <b>2,840</b>     |
|  | "         | 4.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | <b>2,720</b>     |
|  | "         | 5.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 112              |
| <b>Regulatory Criteria<sup>A</sup></b> |           |            |             |       |       |       | <b>100 mg/kg</b> | <b>10 mg/kg</b> |                      |                | <b>50 mg/kg</b>    | <b>600 mg/kg</b> |

<sup>A</sup> – 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      |                  |                 |                      |                |                    |                  |
| <b>H-1</b>                             | 5/13/2025 | 0-0.5'     | <10.0       | <b>500</b> | <b>254</b> | <b>754</b> | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 112              |
| <b>H-2</b>                             | 5/13/2025 | 0-0.5'     | <10.0       | <b>407</b> | <b>213</b> | <b>720</b> | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 128              |
| <b>H-3</b>                             | 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              |
| <b>H-4</b>                             | 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              |
| <b>H-5</b>                             | 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             |
| <b>H-6</b>                             | 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             |
| <b>H-7</b>                             | 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              |
| <b>H-8</b>                             | 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             |
| <b>H-9</b>                             | 5/13/2025 | 0-0.5'     | <10.0       | 19.8       | <10.0      | 19.8       | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | <b>608</b>       |
| <b>Regulatory Criteria<sup>A</sup></b> |           |            |             |            |            |            | <b>100 mg/kg</b> | <b>10 mg/kg</b> |                      |                | <b>50 mg/kg</b>    | <b>600 mg/kg</b> |

<sup>A</sup> – 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) | Ethylbenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|---|-----------|------------|-------------|-------|-------|-------|------------------|-----------------|----------------------|----------------|--------------------|------------------|
|   |           |            | GRO         | DRO   | MRO   | Total |                  |                 |                      |                |                    |                  |
| <b>CS-1</b>                             | 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             |
| <b>CS-2</b>                             | 5/29/2025 | 4.5'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 160              |
| <b>CS-3</b>                             | 5/29/2025 | 4.5'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 304              |
| <b>CS-4</b>                             | 5/29/2025 | 4.5'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 256              |
| <b>CS-5</b>                             | 5/30/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 224              |
| <b>CS-6</b>                             | 5/30/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 128              |
| <b>CS-7</b>                             | 5/30/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 192              |
| <b>CS-8</b>                             | 5/30/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 128              |
| <b>CS-9</b>                             | 5/30/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 128              |
| <b>CS-10</b>                            | 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             |
| <b>CS-11</b>                            | 5/30/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 176              |
| <b>CS-12</b>                            | 5/30/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 560              |
| <b>CS-13</b>                            | 5/30/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | <b>4,560</b>     |
|   | 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             |
| <b>CS-14</b>                            | 5/30/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | <b>1,150</b>     |
|   | 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             |
| <b>CS-15</b>                            | 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             |
| <b>CS-16</b>                            | 5/30/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | <b>5,200</b>     |
|   | 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             |
| <b>CS-17</b>                            | 5/30/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | <b>2,080</b>     |
|   | 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             |
| <b>Regulatory Criteria <sup>A</sup></b> |           |            |             |       |       |       | <b>100 mg/kg</b> | <b>10 mg/kg</b> |                      |                | <b>50 mg/kg</b>    | <b>600 mg/kg</b> |

<sup>A</sup> – 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 |                  |                 |                      |                |                    |                  |
| <b>CS-18</b>                           | 5/30/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 256              |
| <b>CS-19</b>                           | 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             |
| <b>CS-20</b>                           | 6/2/2025  | 1.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 320              |
| <b>CS-21</b>                           | 6/2/2025  | 1.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 272              |
| <b>CS-22</b>                           | 6/2/2025  | 1.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 224              |
| <b>CS-23</b>                           | 6/2/2025  | 1.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 224              |
| <b>CS-24</b>                           | 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             |
| <b>CS-25</b>                           | 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             |
| <b>CS-26</b>                           | 6/2/2025  | 1.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 240              |
| <b>CS-27</b>                           | 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             |
| <b>CS-28</b>                           | 6/2/2025  | 2.0'       | <10.0       | 14.9  | 11.2  | 26.1  | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 304              |
| <b>CS-29</b>                           | 6/3/2025  | 4.5'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 160              |
| <b>CS-30</b>                           | 6/3/2025  | 4.5'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 160              |
| <b>CS-31</b>                           | 6/3/2025  | 4.5'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 240              |
| <b>CS-32</b>                           | 6/3/2025  | 4.5'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 160              |
| <b>CS-33</b>                           | 6/3/2025  | 4.5'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 160              |
| <b>CS-34</b>                           | 6/3/2025  | 4.5'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 240              |
| <b>CS-35</b>                           | 6/3/2025  | 4.5'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 208              |
| <b>CS-36</b>                           | 6/3/2025  | 4.5'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 128              |
| <b>CS-37</b>                           | 6/3/2025  | 4.5'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 256              |
| <b>Regulatory Criteria<sup>A</sup></b> |           |            |             |       |       |       | <b>100 mg/kg</b> | <b>10 mg/kg</b> |                      |                | <b>50 mg/kg</b>    | <b>600 mg/kg</b> |

<sup>A</sup> – 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            |                 |                 |                      |                |                    |                  |
| <b>CS-38</b>                           | 6/3/2025 | 4.5'       | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 224              |
| <b>CS-39</b>                           | 6/6/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 208              |
| <b>CS-40</b>                           | 6/6/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 128              |
| <b>CS-41</b>                           | 6/6/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 192              |
| <b>CS-42</b>                           | 6/6/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 144              |
| <b>CS-43</b>                           | 6/6/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 144              |
| <b>CS-44</b>                           | 6/6/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 160              |
| <b>CS-45</b>                           | 6/6/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 176              |
| <b>CS-46</b>                           | 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             |
| <b>CS-47</b>                           | 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             |
| <b>CS-48</b>                           | 6/6/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 160              |
| <b>CS-49</b>                           | 6/6/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 144              |
| <b>CS-50</b>                           | 6/6/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 160              |
| <b>CS-51</b>                           | 6/6/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 272              |
| <b>CS-52</b>                           | 6/6/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 192              |
| <b>CS-53</b>                           | 6/6/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 160              |
| <b>CS-54</b>                           | 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             |
| <b>CS-55</b>                           | 6/6/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 208              |
| <b>CS-56</b>                           | 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             |
| <b>CS-57</b>                           | 6/6/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 176              |
| <b>CS-58</b>                           | 6/6/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 160              |
| <b>Regulatory Criteria<sup>A</sup></b> |          |            |             |       |       | <b>100 mg/kg</b> | <b>10 mg/kg</b> |                 |                      |                | <b>50 mg/kg</b>    | <b>600 mg/kg</b> |

<sup>A</sup> – 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 |                  |                 |                      |                |                    |                  |
| <b>SW-1</b>                             | 5/29/2025 | 4.5        | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 240              |
| <b>SW-2</b>                             | 5/29/2025 | 4.5        | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 240              |
| <b>SW-3</b>                             | 5/29/2025 | 4.5        | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 336              |
| <b>SW-4</b>                             | 5/29/2025 | 4.5        | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 112              |
| <b>SW-5</b>                             | 5/29/2025 | 4.5        | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 112              |
| <b>SW-6</b>                             | 5/29/2025 | 4.5        | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 144              |
| <b>SW-7</b>                             | 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             |
| <b>SW-8</b>                             | 5/30/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 128              |
| <b>SW-9</b>                             | 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             |
| <b>SW-10</b>                            | 5/30/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | <b>800</b>       |
| <b>SW-11</b>                            | 5/30/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | <b>848</b>       |
| <b>SW-12</b>                            | 5/30/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 192              |
| <b>SW-13</b>                            | 5/30/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 416              |
| <b>SW-14</b>                            | 6/2/2025  | 1.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 336              |
| <b>SW-15</b>                            | 6/2/2025  | 1.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 128              |
| <b>SW-16</b>                            | 6/2/2025  | 1.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 112              |
| <b>SW-17</b>                            | 6/2/2025  | 1.0'       | <10.0       | 27.0  | <10.0 | 27.0  | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 320              |
| <b>SW-18</b>                            | 6/2/2025  | 1.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | <b>2,600</b>     |
| <b>SW-19</b>                            | 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             |
| <b>Regulatory Criteria <sup>A</sup></b> |           |            |             |       |       |       | <b>100 mg/kg</b> | <b>10 mg/kg</b> |                      |                | <b>50 mg/kg</b>    | <b>600 mg/kg</b> |

<sup>A</sup> – 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 |                  |                 |                      |                |                    |                  |
| <b>SW-20</b>                            | 6/2/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | <b>2,600</b>     |
| <b>SW-21</b>                            | 6/2/2025 | 2.0'       | <10.0       | 11.1  | <10.0 | 11.1  | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 112              |
| <b>SW-22</b>                            | 6/2/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | <b>944</b>       |
| <b>SW-23</b>                            | 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             |
| <b>SW-24</b>                            | 6/2/2025 | 2.0'       | <10.0       | 21.4  | <10.0 | 21.4  | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 320              |
| <b>SW-25</b>                            | 6/2/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | <b>864</b>       |
| <b>SW-26</b>                            | 6/3/2025 | 4.5'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 160              |
| <b>SW-27</b>                            | 6/3/2025 | 4.5'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 336              |
| <b>SW-28</b>                            | 6/3/2025 | 4.5'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 160              |
| <b>SW-29</b>                            | 6/3/2025 | 4.5'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 288              |
| <b>SW-30</b>                            | 6/3/2025 | 4.5'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 240              |
| <b>SW-31</b>                            | 6/3/2025 | 4.5'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 288              |
| <b>SW-32</b>                            | 6/6/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 176              |
| <b>SW-33</b>                            | 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             |
| <b>SW-34</b>                            | 6/6/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 208              |
| <b>SW-35</b>                            | 6/6/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 192              |
| <b>SW-36</b>                            | 6/6/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 224              |
| <b>SW-37</b>                            | 6/6/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 160              |
| <b>Backfill</b>                         | 6/5/2025 | -          | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 176              |
| <b>Regulatory Criteria <sup>A</sup></b> |          |            |             |       |       |       | <b>100 mg/kg</b> | <b>10 mg/kg</b> |                      |                | <b>50 mg/kg</b>    | <b>600 mg/kg</b> |

<sup>A</sup> – 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 |                  |                 |                      |                |                    |                  |
| <b>CS-1</b>                            | 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             |
| <b>CS-2</b>                            | 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             |
| <b>CS-3</b>                            | 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             |
| <b>CS-4</b>                            | 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             |
| <b>CS-5</b>                            | 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             |
| <b>CS-6</b>                            | 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             |
| <b>CS-7</b>                            | 10/17/2025 | 2.0        | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.150         | <0.300             | 352              |
| <b>CS-8</b>                            | 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             |
| <b>Regulatory Criteria<sup>A</sup></b> |            |            |             |       |       |       | <b>100 mg/kg</b> | <b>10 mg/kg</b> |                      |                | <b>50 mg/kg</b>    | <b>600 mg/kg</b> |

<sup>A</sup> – 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) | Ethylbenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|--|------------|------------|-------------|-------|-------|------------------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
|  |            |            | GRO         | DRO   | MRO   | Total            |                 |                 |                      |                |                    |                  |
| <b>SW-1</b>                            | 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             |
| <b>SW-2</b>                            | 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             |
| <b>SW-3</b>                            | 10/17/2025 | 1.0'       | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 112              |
| <b>SW-4</b>                            | 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              |
| <b>SW-5</b>                            | 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             |
| <b>SW-6</b>                            | 10/17/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 144              |
| <b>SW-7</b>                            | 10/17/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 128              |
| <b>SW-8</b>                            | 10/17/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 256              |
| <b>SW-9</b>                            | 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             |
| <b>SW-10</b>                           | 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             |
| <b>SW-11</b>                           | 10/17/2025 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 160              |
| <b>Backfill Sample</b>                 | 10/17/2025 | -          | <10.0       | <10.0 | <10.0 | <10.0            | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 32.0             |
| <b>Regulatory Criteria<sup>A</sup></b> |            |            |             |       |       | <b>100 mg/kg</b> | <b>10 mg/kg</b> |                 |                      |                | <b>50 mg/kg</b>    | <b>600 mg/kg</b> |

<sup>A</sup> – 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.



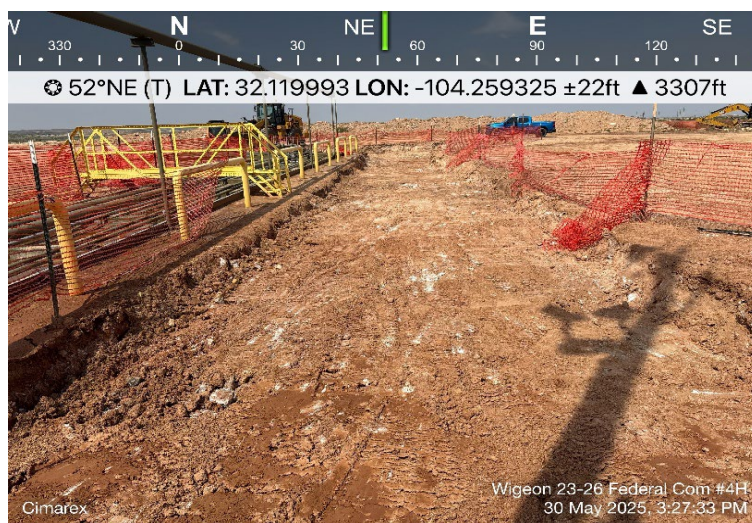
## Photograph No. 5

**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.



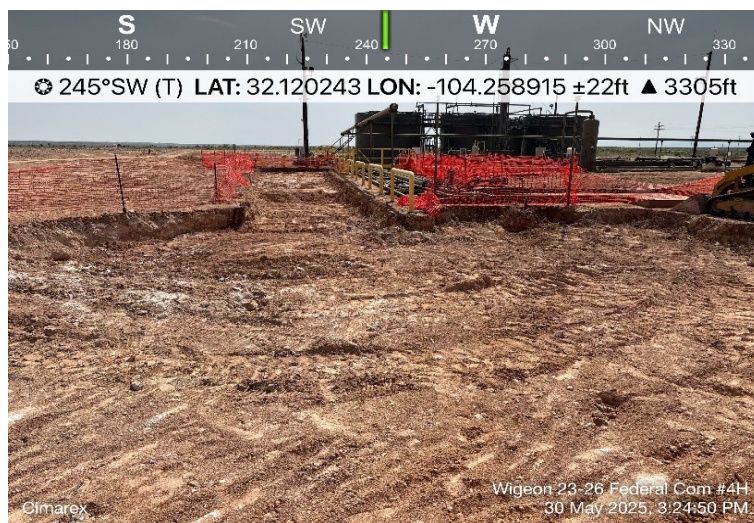
## Photograph No. 6

**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.

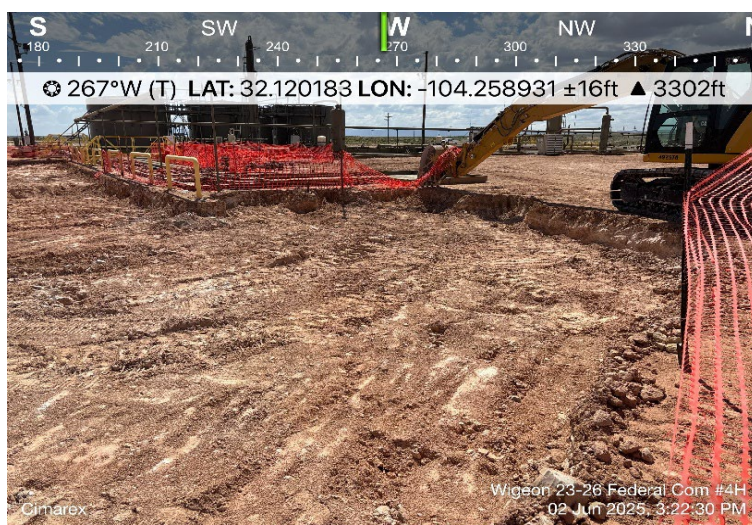
## Photograph No. 7

**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.



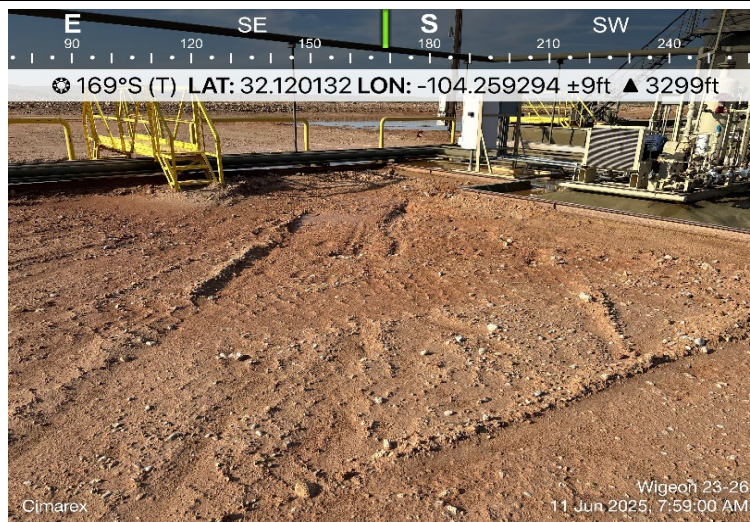
## Photograph No. 12

**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.

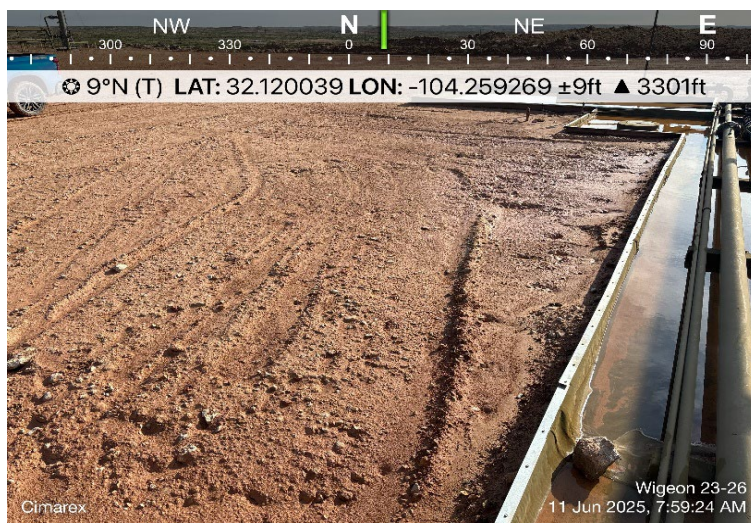
## Photograph No. 13

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

**County:** Eddy County, New Mexico

**Description:**

View North, backfilled area of CS-28.



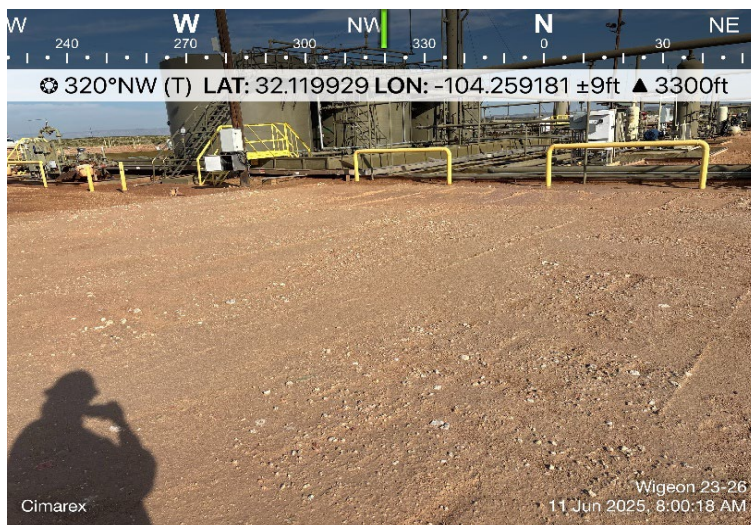
## Photograph No. 14

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

**QUESTIONS**

|  |                         |
|--|-------------------------|
| <b>Location of Release Source</b><br><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                 |

|  |                        |
|--|------------------------|
| <b>Incident Details</b><br><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                     |

|  |  |
|--|--|
| <b>Nature and Volume of Release</b><br><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:<br>CIMAREX ENERGY CO. OF COLORADO<br>6001 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>162683                                       |
|   | Action Number:<br>456531                               |
|   | Action Type:<br>[NOTIFY] Notification Of Release (NOR) |

**QUESTIONS**

| <b>Nature and Volume of Release (continued)</b>   |  |
|---|--|
| 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:<br>(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 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:<br>CIMAREX ENERGY CO. OF COLORADO<br>6001 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>162683                                       |
|   | Action Number:<br>456531                               |
|   | Action Type:<br>[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:<br>CIMAREX ENERGY CO. OF COLORADO<br>6001 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>162683                                       |
|   | Action Number:<br>456531                               |
|   | Action Type:<br>[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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**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:<br>CIMAREX ENERGY CO. OF COLORADO<br>6001 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>162683   |
|   | Action Number:<br>466919                                   |
|   | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

**QUESTIONS**

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

|                                   |                         |
|-----------------------------------|-------------------------|
| <b>Location of Release Source</b> |                         |
| Site Name                         | Wigeon 23-26 Fed Com 4H |
| Date Release Discovered           | 04/29/2025              |
| Surface Owner                     | Federal                 |

|   |   |
|---|---|
| <b>Sampling Event General Information</b>   |   |
| <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:<br>CIMAREX ENERGY CO. OF COLORADO<br>6001 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>162683   |
|   | Action Number:<br>466919                                   |
|   | Action Type:<br>[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]<br>, WIGEON 23-26 FED COM 4H<br>, 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 originally deferred due to being located under a tank battery containment. The containment has since been removed and can safely take place.



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)







# High Karst

Cimarex Energy Co. of Colorado

## Legend

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

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)

| POD Number                   | Code | Sub basin | County | Q64 | Q16 | Q4 | Sec | Tws | Range | X        | Y           | Map | (meters) | (In feet)  |             |              |
|------------------------------|------|-----------|--------|-----|-----|----|-----|-----|-------|----------|-------------|-----|----------|------------|-------------|--------------|
|                              |      |           |        |     |     |    |     |     |       |          |             |     | Distance | Well Depth | Depth Water | Water Column |
| <a href="#">C 03654 POD1</a> |      | CUB       | ED     | NE  | SW  | NW | 24  | 25S | 26E   | 570654.5 | 3553773.1   |     | 859      |            |             |              |
| <a href="#">C 02220</a>      |      | CUB       | ED     | SW  | NW  | NE | 26  | 25S | 26E   | 569598.0 | 3552352.0 * |     | 1686     | 35         |             |              |
| <a href="#">C 03655 POD3</a> |      | CUB       | ED     | NW  | SE  | SE | 22  | 25S | 26E   | 568458.2 | 3553019.0   |     | 1700     |            |             |              |
| <a href="#">C 04329 POD1</a> |      | C         | ED     | NE  | NE  | NE | 27  | 25S | 26E   | 568576.6 | 3552567.2   |     | 1921     | 57         | 14          | 43           |
| <a href="#">C 03569 POD1</a> |      | CUB       | ED     | NE  | NW  | NW | 14  | 25S | 26E   | 568861.7 | 3555746.9   |     | 1978     | 30         | 0           | 30           |
| <a href="#">C 01368</a>      |      | C         | ED     |     | NW  | NW | 22  | 25S | 26E   | 567261.0 | 3554059.0 * |     | 2571     | 143        | 118         | 25           |
| <a href="#">C 02221</a>      |      | CUB       | ED     | SE  | SW  | NE | 25  | 25S | 26E   | 571412.0 | 3551961.0 * |     | 2597     | 35         |             |              |
| <a href="#">C 01013</a>      |      | 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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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

|                                    |
|------------------------------------|
| <a href="#">Table of data</a>      |
| <a href="#">Tab-separated data</a> |
| <a href="#">Graph of data</a>      |
| <a href="#">Reselect period</a>    |

| Date       | Time | ?<br>Water-level<br>date-time<br>accuracy | ?<br>Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>Status | ?<br>Method of<br>measurement | ?<br>Measuring<br>agency | ?<br>Source of<br>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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0.31 0.23 nadww02





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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

|                                    |
|------------------------------------|
| <a href="#">Table of data</a>      |
| <a href="#">Tab-separated data</a> |
| <a href="#">Graph of data</a>      |
| <a href="#">Reselect period</a>    |

| Date       | Time | ?<br>Water-level<br>date-time<br>accuracy | ?<br>Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>Status | ?<br>Method of<br>measurement | ?<br>Measuring<br>agency | ?<br>Source of<br>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 |

| 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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0.33 0.23 nadww02

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

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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

|                                    |
|------------------------------------|
| <a href="#">Table of data</a>      |
| <a href="#">Tab-separated data</a> |
| <a href="#">Graph of data</a>      |
| <a href="#">Reselect period</a>    |

| Date       | Time | ?<br>Water-level<br>date-time<br>accuracy | ?<br>Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>Status | ?<br>Method of<br>measurement | ?<br>Measuring<br>agency | ?<br>Source<br>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. |

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Explanation of terms

5/1/25, 8:50 AM

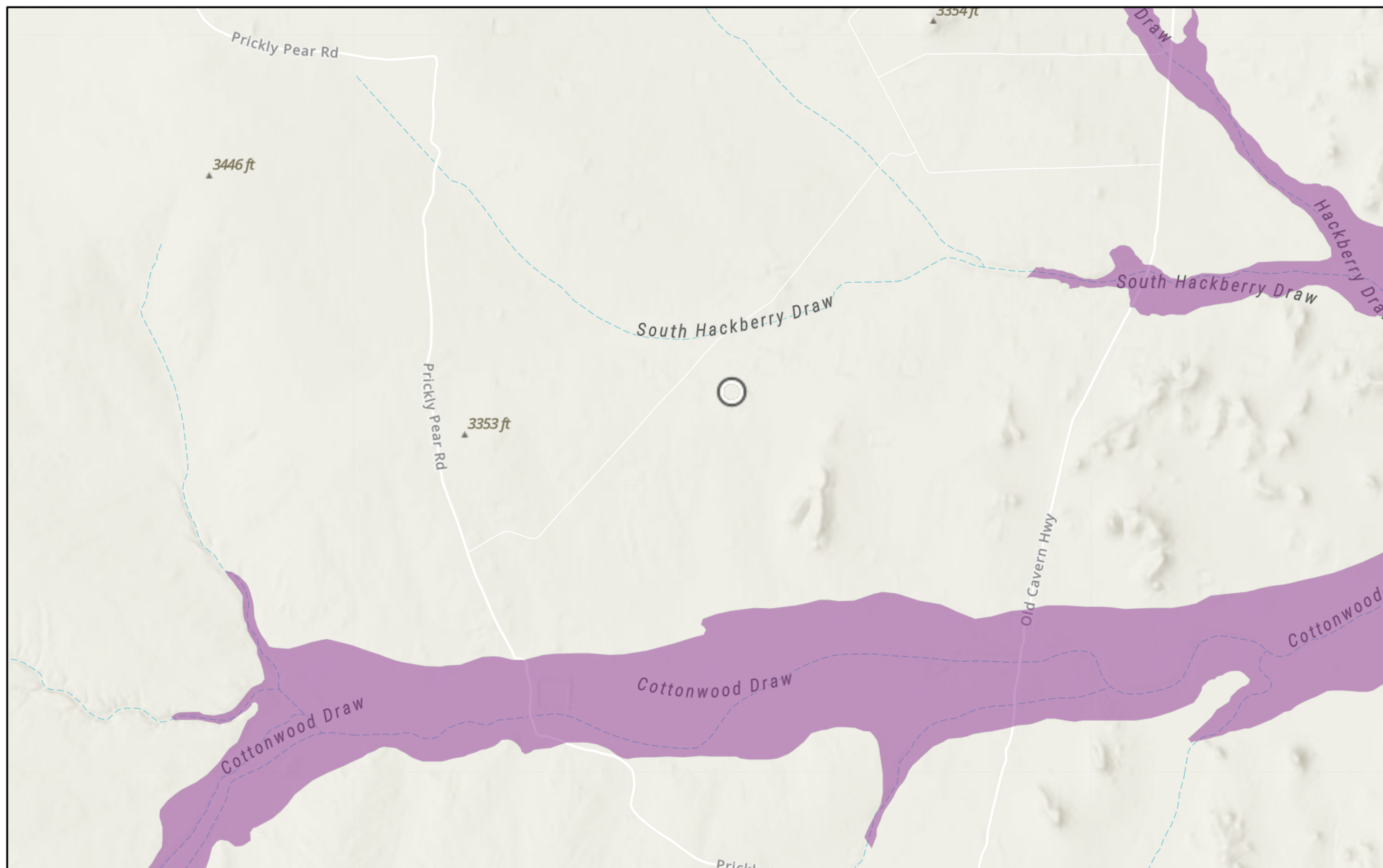
| Date | Time | ?<br>Water-level<br>date-time<br>accuracy | ?<br>Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>S |
|------|------|---|------------------------|---|---|---------------------------------|--------|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

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)

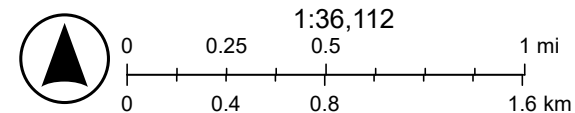


5/1/2025

USA Flood Hazard Areas

 1% Annual Chance Flood Hazard

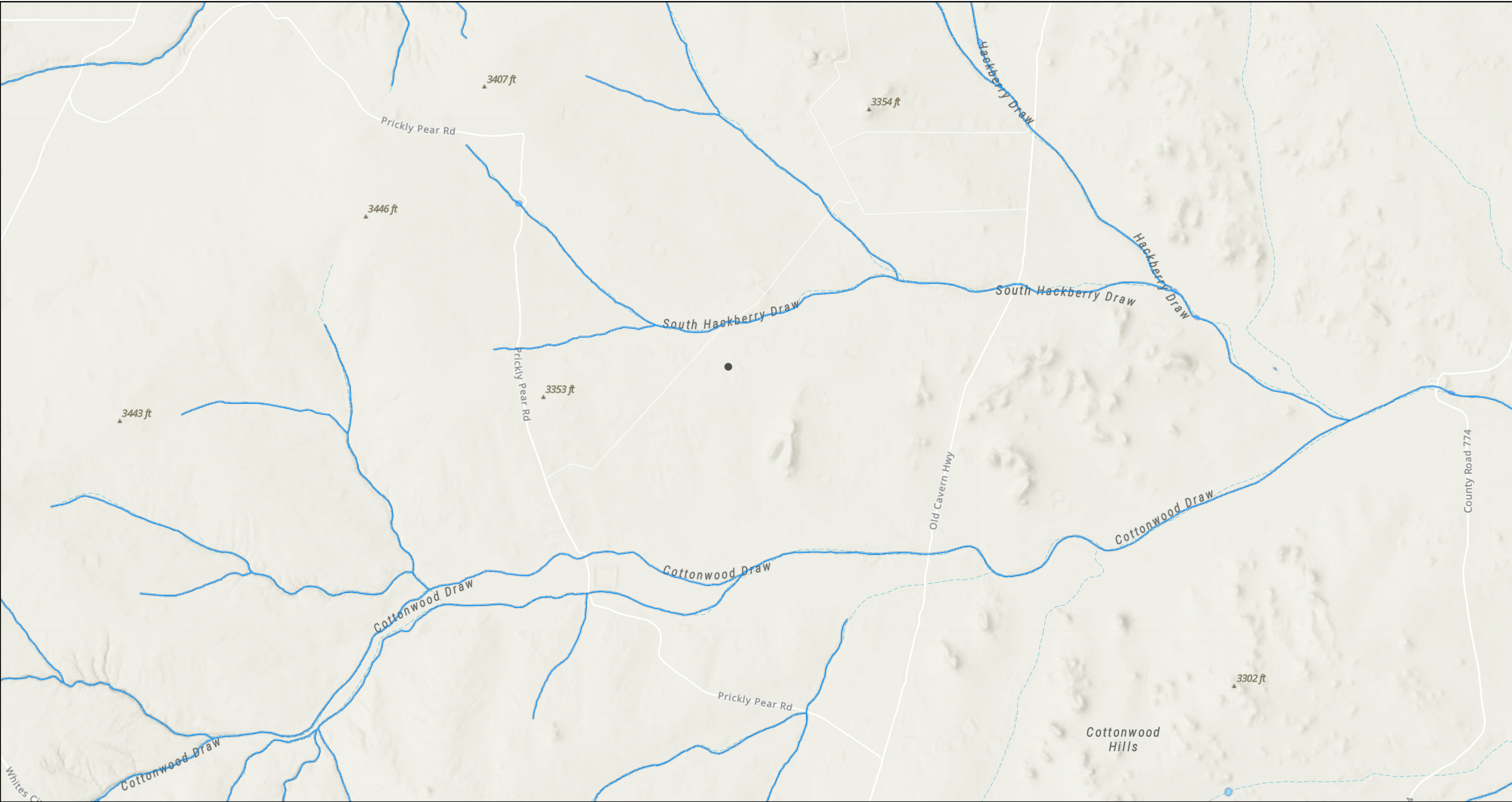
World\_Hillshade



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

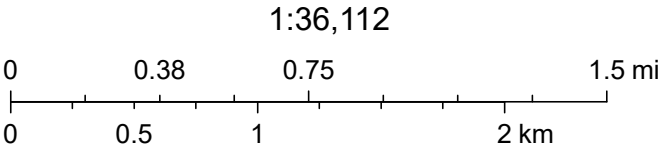


# Wigeon 23-26 Fed Com 4H (04.29.2025)



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

- OSW Water Bodies
- OSE Streams



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

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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](http://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  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 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 BTX      | <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



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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  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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            | 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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**Analytical Results For:**

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

Received: 05/13/2025  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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**Analytical Results For:**

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

Received: 05/13/2025  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500Cl-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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**Analytical Results For:**

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

Received: 05/13/2025  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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**Analytical Results For:**

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

Received: 05/13/2025  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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 82.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.1 % 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  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500Cl-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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**Analytical Results For:**

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

Received: 05/13/2025  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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**Analytical Results For:**

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

Received: 05/13/2025  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500Cl-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  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500Cl-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  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500Cl-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  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500Cl-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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\*=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  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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 79.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.9 % 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  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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**Analytical Results For:**

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

Received: 05/13/2025  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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 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  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500Cl-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  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500Cl-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  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

Received: 05/13/2025  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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

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  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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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  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in cursive script, appearing to read "Celey D. Keene", written in black ink.

---

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H252864

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 Marlenfield 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 |

|  |  |
|--|--|
| Program: UST/PST <input type="checkbox"/> RRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Deepfund <input type="checkbox"/>                                     |  |
| State of Project: <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Reporting Level: <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>  |  |
| Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>  |  |

|                       |   |   |   |   |                              |                  |   |   |   |  |  |  |  |  |  |  |  |   |                 |  |
|-----------------------|---|---|---|---|------------------------------|------------------|---|---|---|--|--|--|--|--|--|--|--|---|-----------------|--|
| Project Name:         | Wigeon 23-26 Federal Com 4  | Turn Around   | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush | Pres. Code  |                              | ANALYSIS REQUEST |   |   |   |  |  |  |  |  |  |  |  | Preservative Codes  |                 |  |
| Project Number:       | 2714  |   |   |   |                              |                  |   |   |   |  |  |  |  |  |  |  |  | None: NO DI Water: H <sub>2</sub> O                               |                 |  |
| Project Location:     | Eddy County, New Mexico   | Due Date:   | Standard TAT  |   |                              |                  |   |   |   |  |  |  |  |  |  |  |  | Cool: Cool MeOH: Me   |                 |  |
| Sampler's Name:       | RP  |   |   |   |                              |                  |   |   |   |  |  |  |  |  |  |  |  | HCL: HC HNO <sub>3</sub> : HN                                     |                 |  |
| PO #:                 |   |   |   |   |                              |                  |   |   |   |  |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na          |                 |  |
| SAMPLE RECEIPT        | Temp Blank:   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Wet Ice:  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Parameters                   |                  |   |   |   |  |  |  |  |  |  |  |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |                 |  |
| Received Inact:       | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>     | Thermometer ID:   |   |   | BTEX 8021B                   |                  |   |   |   |  |  |  |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS  |                 |  |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Correction Factor:  |   |   | TPH 8015M ( GRO + DRO + MRO) |                  |   |   |   |  |  |  |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                 |  |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Temperature Reading:  |   |   | Chloride 4500                |                  |   |   |   |  |  |  |  |  |  |  |  | Zn Acetate+NaOH: Zn   |                 |  |
| Total Containers:     |   | Corrected Temperature:  |   |   |                              |                  |   |   |   |  |  |  |  |  |  |  |  | NaOH+Ascorbic Acid: SACP  |                 |  |
| Sample Identification | Date  | Time  | Soil  | Water   | Grab/Comp                    | # of Cont        |   |   |   |  |  |  |  |  |  |  |  |   | Sample Comments |  |
| 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                | X | X | X |  |  |  |  |  |  |  |  |   |                 |  |
| 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 |
| <u>Pam Doyle</u>             | <u>5-13-25/1442</u> | <u>Cimarex Energy</u>    |           |



# Chain of Custody

Work Order No: 1952861

Page 2 of 3

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

|                     |                                   |                                      |                                   |
|---------------------|-----------------------------------|--------------------------------------|-----------------------------------|
| Work Order Comments |                                   |                                      |                                   |
| Program: UST/PST    | <input type="checkbox"/> PRP      | <input type="checkbox"/> Brownfields | <input type="checkbox"/> IJC      |
| State of Project:   | <input type="checkbox"/> Level II | <input type="checkbox"/> Level III   | <input type="checkbox"/> UST/UST  |
| Reporting Level:    | <input type="checkbox"/> Level I  | <input type="checkbox"/> Level II    | <input type="checkbox"/> Level IV |
| Deliverables:       | EDD                               | ADAPT                                | Other:                            |

| Project Name:              | Project Number: | Project Location:       | Sampler's Name: | PO #: | Temp Blank: | Yes | No | Thermometer ID: | Correction Factor: | Temperature Reading: | Corrected Temperature: | Turn Around | Routine | Rush | Standard TAT | Parameters | ANALYSIS REQUEST | Preservative Codes | Sample Comments |
|----------------------------|-----------------|-------------------------|-----------------|-------|-------------|-----|----|-----------------|--------------------|----------------------|------------------------|-------------|---------|------|--------------|------------|------------------|--------------------|-----------------|
|                            |                 |                         |                 |       |             |     |    |                 |                    |                      |                        |             |         |      |              |            |                  |                    |                 |
| Wigeon 23-26 Federal Com 4 | 2714            | Eddy County, New Mexico | RP              |       | Yes         | No  |    |                 |                    |                      |                        |             |         |      |              |            |                  |                    |                 |
| SAMPLE RECEIPT             |                 |                         |                 |       |             |     |    |                 |                    |                      |                        |             |         |      |              |            |                  |                    |                 |
| Received In tact:          |                 |                         |                 |       | Yes         | No  |    |                 |                    |                      |                        |             |         |      |              |            |                  |                    |                 |
| Cooler Custody Seals:      |                 |                         |                 |       | Yes         | No  |    |                 |                    |                      |                        |             |         |      |              |            |                  |                    |                 |
| Sample Custody Seals:      |                 |                         |                 |       | Yes         | No  |    |                 |                    |                      |                        |             |         |      |              |            |                  |                    |                 |
| Total Containers:          |                 |                         |                 |       |             |     |    |                 |                    |                      |                        |             |         |      |              |            |                  |                    |                 |
| Sample Identification      |                 |                         |                 |       |             |     |    |                 |                    |                      |                        |             |         |      |              |            |                  |                    |                 |
| T-2 (5.0')                 |                 |                         |                 |       | 5/13/2025   |     |    |                 |                    |                      |                        |             |         |      |              |            |                  |                    |                 |
| T-3 (0-1')                 |                 |                         |                 |       | 5/13/2025   |     |    |                 |                    |                      |                        |             |         |      |              |            |                  |                    |                 |
| T-3 (1.5')                 |                 |                         |                 |       | 5/13/2025   |     |    |                 |                    |                      |                        |             |         |      |              |            |                  |                    |                 |
| T-3 (2.0')                 |                 |                         |                 |       | 5/13/2025   |     |    |                 |                    |                      |                        |             |         |      |              |            |                  |                    |                 |
| T-3 (3.0')                 |                 |                         |                 |       | 5/13/2025   |     |    |                 |                    |                      |                        |             |         |      |              |            |                  |                    |                 |
| T-3 (4.0')                 |                 |                         |                 |       | 5/13/2025   |     |    |                 |                    |                      |                        |             |         |      |              |            |                  |                    |                 |
| T-4 (0-1')                 |                 |                         |                 |       | 5/13/2025   |     |    |                 |                    |                      |                        |             |         |      |              |            |                  |                    |                 |
| T-4 (1.5')                 |                 |                         |                 |       | 5/13/2025   |     |    |                 |                    |                      |                        |             |         |      |              |            |                  |                    |                 |
| T-4 (2.0')                 |                 |                         |                 |       | 5/13/2025   |     |    |                 |                    |                      |                        |             |         |      |              |            |                  |                    |                 |
| T-4 (3.0')                 |                 |                         |                 |       | 5/13/2025   |     |    |                 |                    |                      |                        |             |         |      |              |            |                  |                    |                 |

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

Chain of Custody

Work Order No:

1352866

Page 3 of 3

Page 27 of 27

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

|  |  |
|--|--|
| Work Order Comments  |  |
| Program: UST/PST <input type="checkbox"/> RP <input type="checkbox"/> Rowfields <input type="checkbox"/> JRC <input type="checkbox"/> Jperfund <input type="checkbox"/>      |  |
| State of Project:  |  |
| Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:   |  |

|                       |   |   |   |   |                 |                  |   |   |   |   |   |   |   |   |   |  |  |   |                            |  |  |
|-----------------------|---|---|---|---|-----------------|------------------|---|---|---|---|---|---|---|---|---|--|--|---|----------------------------|--|--|
| Project Name:         | Wigeon 23-26 Federal Com 4  | Turn Around   | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush | Pres. Code  |                 | ANALYSIS REQUEST |   |   |   |   |   |   |   |   |   |  |  | Preservative Codes                              |                            |  |  |
| Project Number:       | 2714  | Due Date:   | Standard TAT  |   |                 |                  |   |   |   |   |   |   |   |   |   |  |  | None: NO  | DI Water: H <sub>2</sub> O |  |  |
| Project Location:     | Eddy County, New Mexico   |   |   |   |                 |                  |   |   |   |   |   |   |   |   |   |  |  | Cool: Cool                                      | MeOH: Me                   |  |  |
| Sampler's Name:       | RP  |   |   |   |                 |                  |   |   |   |   |   |   |   |   |   |  |  | HCL: HC   | HNO <sub>3</sub> : HN      |  |  |
| PO #:                 |   |   |   |   |                 |                  |   |   |   |   |   |   |   |   |   |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> | NaOH: Na                   |  |  |
| SAMPLE RECEIPT        | Temp Blank:   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Wet Ice:  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Thermometer ID: |                  |   |   |   |   |   |   |   |   |   |  |  | H <sub>3</sub> PO <sub>4</sub> : HP             |                            |  |  |
| Received Intact:      | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>     | Correction Factor:  |   |   |                 |                  |   |   |   |   |   |   |   |   | NaHSO <sub>4</sub> -NaHS  |  |  |   |                            |  |  |
| Cooler Custody Seals: | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Temperature Reading:  |   |   |                 |                  |   |   |   |   |   |   |   |   | Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub> |  |  |   |                            |  |  |
| Sample Custody Seals: | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Corrected Temperature:  |   |   |                 |                  |   |   |   |   |   |   |   |   | Zn Acetate+NaOH: Zn   |  |  |   |                            |  |  |
| Total Containers:     |   |   |   |   |                 |                  |   |   |   |   |   |   |   |   | NaOH+Ascorbic Acid: SAPC  |  |  |   |                            |  |  |
| Sample Identification | Date  | Time  | Soil  | Water   | Grab/Comp       | # of Cont        |   |   |   |   |   |   |   |   |   |  |  |   | Sample Comments            |  |  |
| T-4 (4.0')            | 5/13/2025   |   | X   |   | Grab/           | 1                | X | X | X | X | X | X | X | X | X   |  |  |   |                            |  |  |
| T-5 (0-1')            | 5/13/2025   |   | X   |   | Grab/           | 1                | X | X | X | X | X | X | X | X | X   |  |  |   |                            |  |  |
| T-5 (1.5')            | 5/13/2025   |   | X   |   | Grab/           | 1                | X | X | X | X | X | X | X | X | X   |  |  |   |                            |  |  |
| T-5 (2.0')            | 5/13/2025   |   | X   |   | Grab/           | 1                | X | X | X | X | X | X | X | X | X   |  |  |   |                            |  |  |
| T-5 (3.0')            | 5/13/2025   |   | X   |   | Grab/           | 1                | X | X | X | X | X | X | X | X | X   |  |  |   |                            |  |  |
| T-5 (4.0')            | 5/13/2025   |   | X   |   | Grab/           | 1                | X | X | X | X | X | X | X | X | X   |  |  |   |                            |  |  |
| T-5 (5.0')            | 5/13/2025   |   | X   |   | Grab/           | 1                | X | X | X | X | X | X | X | X | X   |  |  |   |                            |  |  |

Comments:

|                              |               |                          |           |
|------------------------------|---------------|--------------------------|-----------|
| Relinquished by: (Signature) | Date/Time     | Received by: (Signature) | Date/Time |
| <i>Karin Boyles</i>          | 5-13-25 11:42 | <i>Laci Luig</i>         |           |





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](http://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: | Alyssa Parras |
| Project Location: | CIMAREX-EDDY CO., NM         |                     |               |

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

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 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 BTX      | <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

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\*=Accredited Analyte

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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  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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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**Analytical Results For:**

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

Received: 05/13/2025  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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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**Analytical Results For:**

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

Received: 05/13/2025  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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, 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            | 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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**Analytical Results For:**

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

Received: 05/13/2025  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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, 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 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  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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, 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 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  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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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**Analytical Results For:**

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

Received: 05/13/2025  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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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**Analytical Results For:**

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

Received: 05/13/2025  
 Reported: 05/19/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

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Celey D. Keene, Lab Director/Quality Manager

# Chain of Custody

Work Order No: H25286

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 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 |

|   |  |
|---|--|
| <b>Work Order Comments</b><br>Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Iperfund <input type="checkbox"/><br>State of Project:<br>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"/><br>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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------|-------------------------|---|-------------------------------|-------------|--------------|------------|------------------|----------------------------|--|--|--|--|--|--|--|--|--|--|--------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Project Number:   | 2714                    | <input checked="" type="checkbox"/> Routine | <input type="checkbox"/> Rush | Due Date:   | Standard TAT |            | None: NO         | DI Water: H <sub>2</sub> O |  |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Location: | Eddy County, New Mexico |   | PO #:                         |             |              | RP         |                  |                            |  |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Comments:

|                              |  |               |                          |  |           |
|------------------------------|--|---------------|--------------------------|--|-----------|
| Relinquished by: (Signature) |  | Date/Time     | Received by: (Signature) |  | Date/Time |
| Kevin Lopez                  |  | 5.13.25 11:01 | APRUE                    |  |           |





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](http://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: 05/29/2025  
 Reported: 06/03/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/29/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |        |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*       | <0.050 | 0.050           | 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 BTX      | <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

Cardinal Laboratories

\*=Accredited Analyte

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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  
 Reported: 06/03/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/29/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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

Cardinal Laboratories

\*=Accredited Analyte

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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  
 Reported: 06/03/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/29/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500Cl-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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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  
 Reported: 06/03/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/29/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |        |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*       | <0.050 | 0.050           | 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 BTX      | <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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**Analytical Results For:**

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

Received: 05/29/2025  
 Reported: 06/03/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/29/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 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 BTX      | <0.300 | 0.300           | 05/30/2025 | ND              |      |            |               |      |           |  |

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 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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**Analytical Results For:**

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

Received: 05/29/2025  
 Reported: 06/03/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/29/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 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 BTX      | <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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**Analytical Results For:**

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

Received: 05/29/2025  
 Reported: 06/03/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/29/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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**Analytical Results For:**

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

Received: 05/29/2025  
 Reported: 06/03/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/29/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 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 BTX      | <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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**Analytical Results For:**

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

Received: 05/29/2025  
 Reported: 06/03/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/29/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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            | 05/29/2025 | 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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**Analytical Results For:**

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

Received: 05/29/2025  
 Reported: 06/03/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/29/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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\*=Accredited Analyte

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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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



## Chain of Custody

Work Order No: 725320

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 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 & nathaniel.rose@coterra.com |

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

[illegible]

**Comments:**

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time



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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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

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\*=Accredited Analyte

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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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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            | 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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**Analytical Results For:**

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

Received: 06/02/2025  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500Cl-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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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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500Cl-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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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**Analytical Results For:**

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

Received: 06/02/2025  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 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 BTX      | <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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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**Analytical Results For:**

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

Received: 06/02/2025  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500Cl-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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**Analytical Results For:**

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

Received: 06/02/2025  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500Cl-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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\*=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: 06/02/2025  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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**Analytical Results For:**

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

Received: 06/02/2025  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500Cl-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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**Analytical Results For:**

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

Received: 06/02/2025  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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**Analytical Results For:**

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

Received: 06/02/2025  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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**Analytical Results For:**

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

Received: 06/02/2025  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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**Analytical Results For:**

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

Received: 06/02/2025  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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



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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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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**Analytical Results For:**

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

Received: 06/02/2025  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 05/30/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager

## Chain of Custody

Work Order No: 1858878

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 Mainfield St, Suite 600                        |
| City, State ZIP: | Midland, TX 79701     | City, State ZIP:        | Midland, TX 79701                                    |
| Phone:           | 432-813-8988          | Email:                  | laci.luig@colterra.com & nathaniel.rose@colterra.com |

|   |  |
|---|--|
| Page 1 of 3   |  |
| <b>Work Order Comments</b><br>Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/><br>State of Project: <input type="checkbox"/><br>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"/><br>Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/> |  |

|                              |  |   |   |   |                  |           |   |   |   |  |  |  |  |  |  |  |   |  |  |  |  |
|------------------------------|--|---|---|---|------------------|-----------|---|---|---|--|--|--|--|--|--|--|---|--|--|--|--|
| Project Name:                | Wigson 23-26 Federal Com 4H  | Turn Around   | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code  | ANALYSIS REQUEST |           |   |   |   |  |  |  |  |  |  |  | Preservative Codes  |  |  |  |  |
| Project Number:              | 2714   |   |   |   |                  |           |   |   |   |  |  |  |  |  |  |  | None: NO<br>Cool: Cool<br>HCL: HC<br>H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub><br>H <sub>3</sub> PO <sub>4</sub> : HP<br>NaHSO <sub>4</sub> : NABIS<br>Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub><br>Zn Acetate+NaOH: Zn<br>NaOH+Ascorbic Acid: SAPC |  |  |  |  |
| Project Location:            | Eddy County, New Mexico  | Due Date:   | 48hr  |   |                  |           |   |   |   |  |  |  |  |  |  |  |   |  |  |  |  |
| Sampler's Name:              | KR   |   |   |   |                  |           |   |   |   |  |  |  |  |  |  |  |   |  |  |  |  |
| PO #:                        |  |   |   |   |                  |           |   |   |   |  |  |  |  |  |  |  |   |  |  |  |  |
| <b>SAMPLE RECEIPT</b>        |  |   |   |   |                  |           |   |   |   |  |  |  |  |  |  |  |   |  |  |  |  |
| Received Intact:             | Temp Blank:  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Wet Ice:  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |                  |           |   |   |   |  |  |  |  |  |  |  |   |  |  |  |  |
| Cooler Custody Seals:        | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> | Thermometer IU:   |   | #140  |                  |           |   |   |   |  |  |  |  |  |  |  |   |  |  |  |  |
| Sample Custody Seals:        | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> | Correction Factor:  |   | 70.3  |                  |           |   |   |   |  |  |  |  |  |  |  |   |  |  |  |  |
| Total Containers:            |  | Temperature Reading:  |   | 5.5   |                  |           |   |   |   |  |  |  |  |  |  |  |   |  |  |  |  |
|                              |  | Corrected Temperature:  |   | 5.8   |                  |           |   |   |   |  |  |  |  |  |  |  |   |  |  |  |  |
| <b>Sample Identification</b> |  |   |   |   |                  |           |   |   |   |  |  |  |  |  |  |  |   |  |  |  |  |
| CS-5 (2.0')                  | Date   | Time  | Soil  | Water   | Grab/Comp        | # of Cont |   |   |   |  |  |  |  |  |  |  |   |  |  |  |  |
| 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



Chain of Custody

Work Order No: 1053328

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

|   |  |   |  |            |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|--|---|--|------------|--|------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 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 <sub>2</sub> O                      |  |
| Project Location: Eddy County, New Mexico |  | Due Date: 48hr  |  |            |  |                  |  |  |  |  |  |  |  |  |  |  |  | Cool: Cool MeOH: Me                                      |  |
| Sampler's Name:                           |  |   |  |            |  |                  |  |  |  |  |  |  |  |  |  |  |  | HCL: HC HNO <sub>3</sub> : HN                            |  |
| PO #:                                     |  |   |  |            |  |                  |  |  |  |  |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na |  |

|                              |  |                             |  |                 |  |                              |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------------|--|-----------------------------|--|-----------------|--|------------------------------|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| SAMPLE RECEIPT               |  | Temp Blank: Yes No          |  | Wet Ice: Yes No |  | Parameters                   |  | Hold |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Received Intact: Yes No      |  | Thermometer ID: #140        |  |                 |  | BTEX 80.21B                  |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cooler Custody Seals: Yes No |  | Correction Factor: #10.36   |  |                 |  | TPH 8015M ( GRO + DRO + MRO) |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sample Custody Seals: Yes No |  | Temperature Reading: 5.52   |  |                 |  | Chloride 4500                |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total Containers:            |  | Corrected Temperature: 5.62 |  |                 |  |                              |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |

| Sample Identification | Date      | Time | Soil | Water | Grab/Comp | # of Cont |   |   |   |  |  |  |  |  |  |  |  |  | Sample Comments |
|-----------------------|-----------|------|------|-------|-----------|-----------|---|---|---|--|--|--|--|--|--|--|--|--|-----------------|
| CS-15 (2.0)           | 5/30/2025 |      | X    |       | Comp      | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |
| CS-16 (2.0)           | 5/30/2025 |      | X    |       | Comp      | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |
| CS-17 (2.0)           | 5/30/2025 |      | X    |       | Comp      | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |
| CS-18 (2.0)           | 5/30/2025 |      | X    |       | Comp      | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |
| CS-19 (2.0)           | 5/30/2025 |      | X    |       | Comp      | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |
| SW-7 (2.0)            | 5/30/2025 |      | X    |       | Comp      | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |
| SW-8 (2.0)            | 5/30/2025 |      | X    |       | Comp      | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |
| SW-9 (2.0)            | 5/30/2025 |      | X    |       | Comp      | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |
| SW-10 (2.0)           | 5/30/2025 |      | X    |       | Comp      | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |
| SW-11 (2.0)           | 5/30/2025 |      | X    |       | Comp      | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |

Comments:

|   |  |           |  |   |  |                               |  |
|---|--|-----------|--|---|--|-------------------------------|--|
| Relinquished by: (Signature) <u>[Signature]</u> |  | Date/Time |  | Received by: (Signature) <u>[Signature]</u> |  | Date/Time <u>6-3-25/14:23</u> |  |
|---|--|-----------|--|---|--|-------------------------------|--|



## Chain of Custody

Work Order No: 14053078

Page 3 of 3[illegible]



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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

|                   |                               |                     |               |
|-------------------|-------------------------------|---------------------|---------------|
| Received:         | 06/02/2025                    | 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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\*=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: 06/02/2025  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/02/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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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**Analytical Results For:**

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

Received: 06/02/2025  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/02/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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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**Analytical Results For:**

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

Received: 06/02/2025  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/02/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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, 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              | 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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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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/02/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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, 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            | 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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/02/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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, 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            | 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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\*=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: 06/02/2025  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/02/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

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

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 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 BTX      | <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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/02/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/02/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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, SM4500Cl-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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/02/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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, SM4500Cl-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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/02/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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, 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            | 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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/02/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

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

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 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 BTX      | <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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\*=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: 06/02/2025  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/02/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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, SM4500Cl-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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/02/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/02/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/02/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/02/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/02/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/02/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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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\*=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: 06/02/2025  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/02/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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  
 Reported: 06/04/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/02/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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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### 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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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

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Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 18053379

|                  |                       |                         |   |
|------------------|-----------------------|-------------------------|---|
| 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:                  | <a href="mailto:laci.luig@coierra.com">laci.luig@coierra.com</a> & <a href="mailto:nathaniel.rose@coierra.com">nathaniel.rose@coierra.com</a> |

|                   |                         |   |      |
|-------------------|-------------------------|---|------|
| Project Name:     |                         | Wigeon 23-26 Federal Com 4H   |      |
| Project Number:   | 2714                    | <input type="checkbox"/> Routine - <input checked="" type="checkbox"/> Rush |      |
| Project Location: | Eddy County, New Mexico | Due Date:   | 48hr |
| Sampler's Name:   | KR                      |   |      |
| PO #:             |                         |   |      |

|                       |   |                        |   |          |   |
|-----------------------|---|------------------------|---|----------|---|
| SAMPLE RECEIPT        |   | Temp Blank:            | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Wet Ice: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| Received In tact:     | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Thermometer ID:        | #140  |          |   |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Correction Factor:     | 60.3  |          |   |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Temperature Reading:   | 5.5   |          |   |
| Total Containers:     |   | Corrected Temperature: | 5.8   |          |   |

| Project Name:         |  | Wigeon 23-26 Federal Com 4H   |  | Turn Around   |  | ANALYSIS REQUEST |  |   |  |           |  |           |  |   |  |   |  |   |  |  |  | Preservative Codes          |  |                          |  |                          |  |  |  |                 |  |  |  |  |  |  |  |
|-----------------------|--|---|--|---|--|------------------|--|---|--|-----------|--|-----------|--|---|--|---|--|---|--|--|--|-----------------------------|--|--------------------------|--|--------------------------|--|--|--|-----------------|--|--|--|--|--|--|--|
| Project Number:       |  | 2714  |  | <input type="checkbox"/> Routine - <input checked="" type="checkbox"/> Rush |  |                  |  |   |  |           |  |           |  |   |  |   |  |   |  |  |  | None: NO      DI Water: H2O |  |                          |  |                          |  |  |  |                 |  |  |  |  |  |  |  |
| Project Location      |  | Eddy County, New Mexico   |  | Due Date:   |  | 48hr             |  |   |  |           |  |           |  |   |  |   |  |   |  |  |  |                             |  | Cool: Cool      MeOH: Me |  |                          |  |  |  |                 |  |  |  |  |  |  |  |
| Sampler's Name:       |  | KR  |  |   |  |                  |  |   |  |           |  |           |  |   |  |   |  |   |  |  |  | HCL: HC      HNO3: HN       |  |                          |  |                          |  |  |  |                 |  |  |  |  |  |  |  |
| PO #:                 |  |   |  |   |  |                  |  |   |  |           |  |           |  |   |  |   |  |   |  |  |  | H2SO4: H2      NaOH: Na     |  |                          |  |                          |  |  |  |                 |  |  |  |  |  |  |  |
| SAMPLE RECEIPT        |  | Temp Blank:   |  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>         |  | Wet Ice:         |  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |  |           |  |           |  |   |  |   |  |   |  |  |  |                             |  |                          |  | H3PO4: HP                |  |  |  |                 |  |  |  |  |  |  |  |
| Received In tact:     |  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>     |  | Thermometer ID:   |  |                  |  | # 1140  |  |           |  |           |  |   |  |   |  |   |  |  |  |                             |  |                          |  | NaHSO4: NABIS            |  |  |  |                 |  |  |  |  |  |  |  |
| Cooler Custody Seals: |  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A |  | Correction Factor:  |  |                  |  | C-0.3   |  |           |  |           |  |   |  |   |  |   |  |  |  |                             |  |                          |  | Na2S2O3: NaSO3           |  |  |  |                 |  |  |  |  |  |  |  |
| Sample Custody Seals: |  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A |  | Temperature Reading:  |  |                  |  | 5.5   |  |           |  |           |  |   |  |   |  |   |  |  |  |                             |  |                          |  | Zn Acetate+NaOH: Zn      |  |  |  |                 |  |  |  |  |  |  |  |
| Total Containers:     |  |   |  | Corrected Temperature:  |  |                  |  | 5.8   |  |           |  |           |  |   |  |   |  |   |  |  |  |                             |  |                          |  | NaOH+Ascorbic Acid: SAPC |  |  |  |                 |  |  |  |  |  |  |  |
| Sample Identification |  | Date  |  | Time  |  | Soil             |  | Water   |  | Grab/Comp |  | # of Cont |  |   |  |   |  |   |  |  |  |                             |  |                          |  |                          |  |  |  | Sample Comments |  |  |  |  |  |  |  |
| 1 CS-20 (1.0')        |  | 6/2/2025  |  |   |  | X                |  |   |  | Comp      |  | 1         |  | X |  | X |  | X |  |  |  |                             |  |                          |  |                          |  |  |  |                 |  |  |  |  |  |  |  |
| 2 CS-21 (1.0')        |  | 6/2/2025  |  |   |  | X                |  |   |  | Comp      |  | 1         |  | X |  | X |  | X |  |  |  |                             |  |                          |  |                          |  |  |  |                 |  |  |  |  |  |  |  |
| 3 CS-22 (1.0')        |  | 6/2/2025  |  |   |  | X                |  |   |  | Comp      |  | 1         |  | X |  | X |  | X |  |  |  |                             |  |                          |  |                          |  |  |  |                 |  |  |  |  |  |  |  |
| 4 CS-23 (1.0')        |  | 6/2/2025  |  |   |  | X                |  |   |  | Comp      |  | 1         |  | X |  | X |  | X |  |  |  |                             |  |                          |  |                          |  |  |  |                 |  |  |  |  |  |  |  |
| 5 CS-24 (1.0')        |  | 6/2/2025  |  |   |  | X                |  |   |  | Comp      |  | 1         |  | X |  | X |  | X |  |  |  |                             |  |                          |  |                          |  |  |  |                 |  |  |  |  |  |  |  |
| 6 CS-25 (1.0')        |  | 6/2/2025  |  |   |  | X                |  |   |  | Comp      |  | 1         |  | X |  | X |  | X |  |  |  |                             |  |                          |  |                          |  |  |  |                 |  |  |  |  |  |  |  |
| 7 CS-26 (1.0')        |  | 6/2/2025  |  |   |  | X                |  |   |  | Comp      |  | 1         |  | X |  | X |  | X |  |  |  |                             |  |                          |  |                          |  |  |  |                 |  |  |  |  |  |  |  |
| 8 CS-27 (2.0')        |  | 6/2/2025  |  |   |  | X                |  |   |  | Comp      |  | 1         |  | X |  | X |  | X |  |  |  |                             |  |                          |  |                          |  |  |  |                 |  |  |  |  |  |  |  |
| 9 CS-28 (2.0')        |  | 6/2/2025  |  |   |  | X                |  |   |  | Comp      |  | 1         |  | X |  | X |  | X |  |  |  |                             |  |                          |  |                          |  |  |  |                 |  |  |  |  |  |  |  |
| 10 SW-14 (1.0')       |  | 6/2/2025  |  |   |  | X                |  |   |  | Comp      |  | 1         |  | X |  | X |  | X |  |  |  |                             |  |                          |  |                          |  |  |  |                 |  |  |  |  |  |  |  |

Comments:

|                              |           |                          |                 |
|------------------------------|-----------|--------------------------|-----------------|
| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Date/Time       |
| <u>[Signature]</u>           |           | <u>[Signature]</u>       | <u>6/2/2025</u> |



## Chain of Custody

Work Order No: \_\_\_\_\_

Page 2 of 3

|                  |                       |                         |   |
|------------------|-----------------------|-------------------------|---|
| Project Manager: | Ashton Thielke        | Bill to: (if different) | Laci Luig   |
| Company Name:    | Camona 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@cimarex.com & nathaniel.rose@colterra.com |

|   |  |
|---|--|
| Work Order Comments   |  |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Perturb <input type="checkbox"/>      |  |
| State of Project:   |  |
| Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> PRP <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 <sub>2</sub> O |                        |  |
| Project Location:            | Eddy County, New Mexico   | Due Date:                        | 48hr  |            |   |           |           |   |   |   |  |  |  |  |  |  |                    | Cool: Cool  | MeOH: Me                   |                        |  |
| Sampler's Name:              | KR  |                                  |   |            |   |           |           |   |   |   |  |  |  |  |  |  |                    | HCL: HC   | HNO <sub>3</sub> : HN      |                        |  |
| PO #:                        |   |                                  |   |            |   |           |           |   |   |   |  |  |  |  |  |  |                    | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |                        |  |
| <b>SAMPLE RECEIPT</b>        |   | Temp Blank:                      | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Wet Ice:   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |           |           |   |   |   |  |  |  |  |  |  |                    | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |                        |  |
| Received In tact:            | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>     | Thermometer ID:                  | Thermometer ID:   |            |   |           |           |   |   |   |  |  |  |  |  |  |                    | NaHSO <sub>4</sub> : NABIS  |                            |                        |  |
| Cooler Custody Seals:        | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Correction Factor:               | Correction Factor:  |            |   |           |           |   |   |   |  |  |  |  |  |  |                    | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |                        |  |
| Sample Custody Seals:        | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Temperature Reading:             | Temperature Reading:  |            |   |           |           |   |   |   |  |  |  |  |  |  |                    | Zn Acetate+NaOH: Zn   |                            |                        |  |
| Total Containers:            |   | Corrected Temperature:           | Corrected Temperature:  |            |   |           |           |   |   |   |  |  |  |  |  |  |                    | NaOH+Ascorbic Acid: SAPC  |                            |                        |  |
| <b>Sample Identification</b> |   | Date                             | Time  | Soil       | Water   | Grab/Comp | # of Cont |   |   |   |  |  |  |  |  |  |                    |   |                            | <b>Sample Comments</b> |  |
| 11                           | SW-15 (1.0')  | 6/2/2025                         |   | X          |   | Comp      | 1         | X | X | X |  |  |  |  |  |  |                    |   |                            |                        |  |
| 12                           | SW-16 (1.0')  | 6/2/2025                         |   | X          |   | Comp      | 1         | X | X | X |  |  |  |  |  |  |                    |   |                            |                        |  |
| 13                           | SW-17 (1.0')  | 6/2/2025                         |   | X          |   | Comp      | 1         | X | X | X |  |  |  |  |  |  |                    |   |                            |                        |  |
| 14                           | SW-18 (1.0')  | 6/2/2025                         |   | X          |   | Comp      | 1         | X | X | X |  |  |  |  |  |  |                    |   |                            |                        |  |
| 15                           | SW-19 (1.0')  | 6/2/2025                         |   | X          |   | Comp      | 1         | X | X | X |  |  |  |  |  |  |                    |   |                            |                        |  |
| 16                           | SW-20 (2.0')  | 6/2/2025                         |   | X          |   | Comp      | 1         | X | X | X |  |  |  |  |  |  |                    |   |                            |                        |  |
| 17                           | SW-21 (2.0')  | 6/2/2025                         |   | X          |   | Comp      | 1         | X | X | X |  |  |  |  |  |  |                    |   |                            |                        |  |
| 18                           | SW-22 (2.0')  | 6/2/2025                         |   | X          |   | Comp      | 1         | X | X | X |  |  |  |  |  |  |                    |   |                            |                        |  |
| 19                           | SW-23 (2.0')  | 6/2/2025                         |   | X          |   | Comp      | 1         | X | X | X |  |  |  |  |  |  |                    |   |                            |                        |  |
| 20                           | SW-24 (2.0')  | 6/2/2025                         |   | X          |   | Comp      | 1         | X | X | X |  |  |  |  |  |  |                    |   |                            |                        |  |

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

02/25/11/03

## Chain of Custody

**Work Order No:** \_\_\_\_\_

Page 3 of 3

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

|   |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|
| Work Order Comments   |  |  |  |  |  |  |  |
| Program: UST/PT <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund <input type="checkbox"/><br>State of Project:<br>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"/><br>Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: |  |  |  |  |  |  |  |

[illegible]



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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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  
 Reported: 06/06/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/03/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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

Cardinal Laboratories

\*=Accredited Analyte

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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  
 Reported: 06/06/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/03/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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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**Analytical Results For:**

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

Received: 06/04/2025  
 Reported: 06/06/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/03/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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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**Analytical Results For:**

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

Received: 06/04/2025  
 Reported: 06/06/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/03/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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  
 Reported: 06/06/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/03/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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



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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  
 Reported: 06/06/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/03/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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



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  
 Reported: 06/06/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/03/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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            | 06/05/2025 | 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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**Analytical Results For:**

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

Received: 06/04/2025  
 Reported: 06/06/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/03/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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            | 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  
 Reported: 06/06/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/03/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, SM4500Cl-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  
 Reported: 06/06/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/03/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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  
 Reported: 06/06/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/03/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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              | 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  
 Reported: 06/06/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/03/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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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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  
 Reported: 06/06/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/03/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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              | 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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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  
 Reported: 06/06/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/03/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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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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  
 Reported: 06/06/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/03/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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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**Analytical Results For:**

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

Received: 06/04/2025  
 Reported: 06/06/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/03/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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

Celey D. Keene, Lab Director/Quality Manager



## Chain of Custody

Work Order No:

H253340

Page 1 of 2

Page 19 of 20

|                  |                       |                         |  |
|------------------|-----------------------|-------------------------|--|
| 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 & nathaniel.rose@coterra.com |

|                   |                             |   |            |
|-------------------|-----------------------------|---|------------|
| Project Name:     | Wigeon 23-26 Federal Com 4H | Turn Around   | Pres. Code |
| Project Number:   | 2714                        | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |            |
| Project Location: | Eddy County, New Mexico     | Due Date:   | 48hr       |
| Sampler's Name:   | KR                          |   |            |
| PO #:             |                             |   |            |

|                   |                       |   |                      |   |            |
|-------------------|-----------------------|---|----------------------|---|------------|
| SAMPLE RECEIPT    | Temp Blank:           | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Wet Ice:             | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Parameters |
|                   | Received Intact:      | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Thermometer ID:      | #140  |            |
|                   | Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Correction Factor:   | +0.3  |            |
|                   | Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Temperature Reading: | 0.4   |            |
| 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 <sub>2</sub> 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 <sub>3</sub> : HN      |
| CS-32 (4.5)           | 6/3/2025 |      | X    |       | Comp      | 1         | X                | X | X |  |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |
| CS-33 (4.5)           | 6/3/2025 |      | X    |       | Comp      | 1         | X                | X | X |  |  |  |  |  |  |  |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |
| CS-34 (4.5)           | 6/3/2025 |      | X    |       | Comp      | 1         | X                | X | X |  |  |  |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS  |                            |
| CS-35 (4.5)           | 6/3/2025 |      | X    |       | Comp      | 1         | X                | X | X |  |  |  |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |
| 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 |  |  |  |  |  |  |  |  |   |                            |

|                              |  |             |                          |  |           |
|------------------------------|--|-------------|--------------------------|--|-----------|
| Relinquished by: (Signature) |  | Date/Time   | Received by: (Signature) |  | Date/Time |
| <i>[Signature]</i>           |  | 6/4/25 1527 | <i>[Signature]</i>       |  |           |

Comments:



## Chain of Custody

Work Order No: 485334



Page 2 of 2

|                  |                        |                         |   |
|------------------|------------------------|-------------------------|---|
| Project Manager: | Ashton Thielke         | Bill to: (if different) | Laci Luig   |
| Company Name:    | Carmona Resources      | Company Name:           | Cimarex Energy  |
| Address:         | 3-10 W Wall St Ste 500 | Address:                | 600 N Marientfield St, Suite 600  |
| City, State ZIP: | Midland, TX 79701      | City, State ZIP:        | Midland, TX 79701   |
| Phone:           | 432-813-8988           | Email:                  | <a href="mailto:laci.luig@coterra.com">laci.luig@coterra.com</a> & <a href="mailto:nathaniel.rose@coterra.com">nathaniel.rose@coterra.com</a> |

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

| ANALYSIS REQUEST             |              |                             |  |   |  |             |   |        |   | Preservative Codes  |  |
|------------------------------|--------------|-----------------------------|--|---|--|-------------|---|--------|---|---|--|
| Project Name:                |              | Wigeon 23-26 Federal Com 4H |  | Turn Around   |  | Press. Code |   |        |   |   |  |
| Project Number:              |              | 2714                        |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |             |   |        |   | None: NO  |  |
| Project Location:            |              | Eddy County, New Mexico     |  | Due Date:   |  | 48hr        |   |        |   | DI Water: H <sub>2</sub> O  |  |
| Sampler's Name:              |              | KR                          |  |   |  |             |   |        |   | Cool: Cool  |  |
| PO #:                        |              |                             |  |   |  |             |   |        |   | HCL: HC   |  |
| SAMPLE RECEIPT               |              | Temp Blank:                 |  | Yes No  |  | Wet Ice:    |   | Yes No |   | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   |  |
| Received Intact:             |              | Yes No                      |  | Thermometer ID:   |  |             |   | #140   |   | H <sub>3</sub> PO <sub>4</sub> : HP                               |  |
| Cooler Custody Seals:        |              | Yes No                      |  | Correction Factor:  |  |             |   | 10-3   |   | NaHSO <sub>4</sub> : NABIS  |  |
| Sample Custody Seals:        |              | Yes No                      |  | Temperature Reading:  |  |             |   | 0.4    |   | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |
| Total Containers:            |              |                             |  | Corrected Temperature:  |  |             |   | 0.7    |   | Zn Acetate+NaOH: Zn   |  |
| Sample Identification        |              | Date                        |  | Time  |  | Soil        |   | Water  |   | Grab/Comp   |  |
|                              |              |                             |  |   |  |             |   |        |   | # of Cont   |  |
| 11                           | SW-26 (4.5') | 6/3/2025                    |  |   |  | X           | X | X      | X |   |  |
| 12                           | SW-27 (4.5') | 6/3/2025                    |  |   |  | X           | X | X      | X |   |  |
| 13                           | SW-28 (4.5') | 6/3/2025                    |  |   |  | X           | X | X      | X |   |  |
| 14                           | SW-29 (4.5') | 6/3/2025                    |  |   |  | X           | X | X      | X |   |  |
| 15                           | SW-30 (4.5') | 6/3/2025                    |  |   |  | X           | X | X      | X |   |  |
| 16                           | SW-31 (2.5') | 6/3/2025                    |  |   |  | X           | X | X      | X |   |  |
| BTX 8021B                    |              |                             |  |   |  |             |   |        |   |   |  |
| TPH 8015M ( GRO + DRO + MRO) |              |                             |  |   |  |             |   |        |   |   |  |
| Chloride 4500                |              |                             |  |   |  |             |   |        |   |   |  |
| Hold                         |              |                             |  |   |  |             |   |        |   |   |  |
| Sample Comments              |              |                             |  |   |  |             |   |        |   |   |  |

Comments:

| Relinquished by: (Signature)  | Date/Time  | Received by: (Signature)  | Date/Time |
|---|------------|---|-----------|
|  | 04-25-1507 |  |           |
|   |            |   |           |
|   |            |   |           |
|   |            |   |           |



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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

|                   |                               |                     |               |
|-------------------|-------------------------------|---------------------|---------------|
| Received:         | 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)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 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 BTX      | <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

Cardinal Laboratories

\*=Accredited Analyte

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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  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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, SM4500Cl-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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**Analytical Results For:**

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

Received: 06/06/2025  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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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**Analytical Results For:**

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

Received: 06/06/2025  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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, SM4500Cl-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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**Analytical Results For:**

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

Received: 06/06/2025  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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, SM4500Cl-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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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  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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, SM4500Cl-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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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  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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, SM4500Cl-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  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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 | QM-07     |  |
| 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             | 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  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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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\*=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  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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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**Analytical Results For:**

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

Received: 06/06/2025  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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, SM4500Cl-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  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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, SM4500Cl-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  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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, SM4500Cl-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  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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, SM4500Cl-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  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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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\*=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  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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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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  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 48.0   | 16.0            | 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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**Analytical Results For:**

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

Received: 06/06/2025  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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, 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           | 3.77 |           |  |

| 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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**Analytical Results For:**

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

Received: 06/06/2025  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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, 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            | 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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**Analytical Results For:**

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

Received: 06/06/2025  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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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**Analytical Results For:**

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

Received: 06/06/2025  
 Reported: 06/09/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

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

**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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H253405

|                   |                             |                         |   |
|-------------------|-----------------------------|-------------------------|---|
| 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 Marlenfield 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                        |
| Project Name:     | Wigeon 23-26 Federal Com 4H | Turn Around             | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |
| Project Number:   | 2714                        | Due Date:               | 24HR  |
| Project Location: | Eddy County, New Mexico     | PO #:                   |   |
| Sampler's Name:   | KR                          | Temp Blank:             | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>       |

|                    |                                    |                                      |                              |                                   |
|--------------------|------------------------------------|--------------------------------------|------------------------------|-----------------------------------|
| Program: USTR/ST   | <input type="checkbox"/> PRP       | <input type="checkbox"/> Brownfields | <input type="checkbox"/> RRC | <input type="checkbox"/> Inertund |
| 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 RECEIPT        |   | Received Intact:       | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Thermometer ID:      | #140 |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Correction Factor:     |   | Temperature Reading: | 5.3  |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Corrected Temperature: |   |                      | 5.0  |
| Total Containers:     |   |                        |   |                      |      |

| Sample Identification | Date     | Time | Soil | Water | Grab/Comp | # of Cont | Parameters                   | 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) |                  | Cool: Cool  |                 |
| CS-41 (2.0)           | 6/6/2025 |      | X    |       | Comp      | 1         |                              |                  | HCL: HC   |                 |
| CS-42 (2.0)           | 6/6/2025 |      | X    |       | Comp      | 1         |                              |                  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   |                 |
| CS-43 (2.0)           | 6/6/2025 |      | X    |       | Comp      | 1         |                              |                  | H <sub>3</sub> PO <sub>4</sub> : HP                               |                 |
| CS-44 (2.0)           | 6/6/2025 |      | X    |       | Comp      | 1         |                              |                  | NaHSO <sub>4</sub> : NABIS  |                 |
| CS-45 (2.0)           | 6/6/2025 |      | X    |       | Comp      | 1         |                              |                  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                 |
| CS-46 (2.0)           | 6/6/2025 |      | X    |       | Comp      | 1         |                              |                  | Zn Acetate+NaOH: Zn   |                 |
| CS-47 (2.0)           | 6/6/2025 |      | X    |       | Comp      | 1         |                              |                  | NaOH+Ascorbic Acid: SAPC  |                 |
| CS-48 (2.0)           | 6/6/2025 |      | X    |       | Comp      | 1         |                              |                  |   |                 |

|                              |           |                          |                |
|------------------------------|-----------|--------------------------|----------------|
| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Date/Time      |
| <i>[Signature]</i>           |           | <i>[Signature]</i>       | 6/6/2025/15:10 |



## Chain of Custody

Work Order No: H253425

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|                              |  |  |  |  |  |                             |  |  |  |  |  |
|------------------------------|--|--|--|--|--|-----------------------------|--|--|--|--|--|
| Project Manager:             |  |  |  |  |  | Ashlon Thielke              |  |  |  |  |  |
| Company Name:                |  |  |  |  |  | Carmona Resources           |  |  |  |  |  |
| Address:                     |  |  |  |  |  | 310 W Wall St Ste 500       |  |  |  |  |  |
| City, State ZIP:             |  |  |  |  |  | Midland, TX 79701           |  |  |  |  |  |
| Phone:                       |  |  |  |  |  | 432-813-8988                |  |  |  |  |  |
| Project Name:                |  |  |  |  |  | Wigdon 23-26 Federal Com 4H |  |  |  |  |  |
| Project Number:              |  |  |  |  |  | 2714                        |  |  |  |  |  |
| Project Location:            |  |  |  |  |  | Eddy County, New Mexico     |  |  |  |  |  |
| Sampler's Name:              |  |  |  |  |  | KR                          |  |  |  |  |  |
| PO #:                        |  |  |  |  |  |                             |  |  |  |  |  |
| SAMPLE RECEIPT               |  |  |  |  |  | Temp Blank:                 |  |  |  |  |  |
| Received In tact:            |  |  |  |  |  | Yes No                      |  |  |  |  |  |
| Cooler Custody Seals:        |  |  |  |  |  | Yes No N/A                  |  |  |  |  |  |
| Sample Custody Seals:        |  |  |  |  |  | Yes No N/A                  |  |  |  |  |  |
| Total Containers:            |  |  |  |  |  | Corrected Temperature:      |  |  |  |  |  |
| Sample Identification        |  |  |  |  |  | Date                        |  |  |  |  |  |
| CS-49 (2.0')                 |  |  |  |  |  | 6/6/2025                    |  |  |  |  |  |
| CS-50 (2.0')                 |  |  |  |  |  | 6/6/2025                    |  |  |  |  |  |
| CS-51 (2.0')                 |  |  |  |  |  | 6/6/2025                    |  |  |  |  |  |
| CS-52 (2.0')                 |  |  |  |  |  | 6/6/2025                    |  |  |  |  |  |
| CS-53 (2.0')                 |  |  |  |  |  | 6/6/2025                    |  |  |  |  |  |
| CS-54 (2.0')                 |  |  |  |  |  | 6/6/2025                    |  |  |  |  |  |
| CS-55 (2.0')                 |  |  |  |  |  | 6/6/2025                    |  |  |  |  |  |
| CS-56 (2.0')                 |  |  |  |  |  | 6/6/2025                    |  |  |  |  |  |
| CS-57 (2.0')                 |  |  |  |  |  | 6/6/2025                    |  |  |  |  |  |
| CS-58 (2.0')                 |  |  |  |  |  | 6/6/2025                    |  |  |  |  |  |
| Remarks:                     |  |  |  |  |  |                             |  |  |  |  |  |
| Relinquished by: (Signature) |  |  |  |  |  | Date/Time                   |  |  |  |  |  |
| Received by: (Signature)     |  |  |  |  |  | Date/Time                   |  |  |  |  |  |

|                               |  |  |  |  |  |  |  |  |  |  |  |
|-------------------------------|--|--|--|--|--|--|--|--|--|--|--|
| Bill to: (if different)       |  |  |  |  |  | Laci Luig  |  |  |  |  |  |
| Company Name:                 |  |  |  |  |  | Cimarex Energy                                     |  |  |  |  |  |
| Address:                      |  |  |  |  |  | 600 N Marnefield St Suite 600                      |  |  |  |  |  |
| City, State ZIP:              |  |  |  |  |  | Midland, TX 79701                                  |  |  |  |  |  |
| Email:                        |  |  |  |  |  | laci.luig@coierra.com & nathaniel.rose@coierra.com |  |  |  |  |  |
| Turn Around                   |  |  |  |  |  | Pres. Code   |  |  |  |  |  |
| Routine                       |  |  |  |  |  | Rush   |  |  |  |  |  |
| Due Date:                     |  |  |  |  |  | 24HR   |  |  |  |  |  |
| Parameters                    |  |  |  |  |  | BTX 8021B  |  |  |  |  |  |
| TPH 8015M ( GRO + DRO + MRO ) |  |  |  |  |  |  |  |  |  |  |  |
| Chloride 4500                 |  |  |  |  |  |  |  |  |  |  |  |
| Hold                          |  |  |  |  |  |  |  |  |  |  |  |
| Sample Comments               |  |  |  |  |  |  |  |  |  |  |  |

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

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| Preservative Codes  |  |  |  |  |  |
| None: NO DI Water: H <sub>2</sub> O                               |  |  |  |  |  |
| Cool: Cool MeOH: Me   |  |  |  |  |  |
| HCL: HC HNO <sub>3</sub> : HN                                     |  |  |  |  |  |
| H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na          |  |  |  |  |  |
| H <sub>3</sub> PO <sub>4</sub> : HP                               |  |  |  |  |  |
| NaHSO <sub>4</sub> : NABIS  |  |  |  |  |  |
| Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NASO <sub>3</sub> |  |  |  |  |  |
| Zn Acetate+NaOH: Zn   |  |  |  |  |  |
| NaOH+Ascorbic Acid: SAPC  |  |  |  |  |  |



## Chain of Custody

Work Order No: 14253405

Page 31 of 31

[illegible]



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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](http://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



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**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)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 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 BTX      | <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

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**Analytical Results For:**

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

Received: 06/05/2025  
 Reported: 06/06/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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, 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            | 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



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**Analytical Results For:**

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

Received: 06/05/2025  
 Reported: 06/06/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 06/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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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\*=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-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, 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            | 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



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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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager

Work Order No: 14253376

| Work Order Comments |                                    |                                      |                              |                                   |
|---------------------|------------------------------------|--------------------------------------|------------------------------|-----------------------------------|
| Program: UST/PST    | <input type="checkbox"/> PRP       | <input type="checkbox"/> Brownfields | <input type="checkbox"/> RC  | <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:                            |

[illegible]

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

10.5.25/1429





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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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

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

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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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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Celey D. Keene, Lab Director/Quality Manager

| Work Order Comments   |  |
|---|--|
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> <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: _____  |  |

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Released to Imaging: 1/15/2026 4:34:29 PM



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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 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 BTX      | <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



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

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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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager

**Work Order No.:**

# History

Page 2 of 2

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

Comments:

0402401K

Released to Imaging: 1/15/2026 4:34:29 PM



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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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





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  
 Reported: 10/20/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 10/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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  
 Reported: 10/20/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 10/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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, 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 93.9 % 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  
 Reported: 10/20/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 10/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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  
 Reported: 10/20/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 10/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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, 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 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  
 Reported: 10/20/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 10/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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, 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 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  
 Reported: 10/20/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 10/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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  
 Reported: 10/20/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 10/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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, 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 89.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.6 % 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  
 Reported: 10/20/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 10/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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, 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 91.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.4 % 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  
 Reported: 10/20/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 10/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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  
 Reported: 10/20/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 10/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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, 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            | 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  
 Reported: 10/20/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 10/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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, SM4500CI-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  
 Reported: 10/20/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 10/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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, 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            | 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  
 Reported: 10/20/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 10/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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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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  
 Reported: 10/20/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 10/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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  
 Reported: 10/20/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 10/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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, SM4500Cl-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  
 Reported: 10/20/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 10/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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, SM4500Cl-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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**Analytical Results For:**

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

Received: 10/17/2025  
 Reported: 10/20/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 10/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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, SM4500Cl-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  
 Reported: 10/20/2025  
 Project Name: WIGEON 23 - 26 FEDERAL COM 4H  
 Project Number: 2714  
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 10/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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Celey D. Keene, Lab Director/Quality Manager

# Chain of Custody

Work Order No: 11350508

Page 1 of 2

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

|   |  |
|---|--|
| <b>Work Order Comments</b><br>Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> perfund <input type="checkbox"/><br>State of Project:<br>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"/><br>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 | ANALYSIS REQUEST  |  |  |  |  |  |  |  |  |  |  |   | Preservative Codes                                       |                                     |  |
| Project Number:       | 2714  |                        |   |            |   |  |  |  |  |  |  |  |  |  |  |   | None: NO DI Water: H <sub>2</sub> O                      |                                     |  |
| Project Location:     | Eddy County, New Mexico   | Due Date:              | 24hr  |            |   |  |  |  |  |  |  |  |  |  |  |   | Cool: Cool MeOH: Me                                      |                                     |  |
| Sampler's Name:       | JDC   |                        |   |            |   |  |  |  |  |  |  |  |  |  |  |   | HCL: HC HNO <sub>3</sub> : HN                            |                                     |  |
| PO #:                 |   |                        |   |            |   |  |  |  |  |  |  |  |  |  |  |   | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na |                                     |  |
| <b>SAMPLE RECEIPT</b> |   | Temp Blank:            | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>       | Wet Ice:   | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |  |  |  |  |  |  |  |  |  |  |   |  | H <sub>3</sub> PO <sub>4</sub> : HP |  |
| Received Intact:      | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>     | Thermometer ID:        | #140  |            |   |  |  |  |  |  |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS  |  |                                     |  |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Correction Factor:     | +0.3  |            |   |  |  |  |  |  |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |                                     |  |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Temperature Reading:   | 3.1c  |            |   |  |  |  |  |  |  |  |  |  |  | Zn Acetate+NaOH: Zn   |  |                                     |  |
| Total Containers:     |   | Corrected Temperature: | 3.4c  |            |   |  |  |  |  |  |  |  |  |  |  | NaOH+Ascorbic Acid: SAPC  |  |                                     |  |

| Sample Identification | Date       | Time | Soil | Water | Grab/Comp | # of Cont | Parameters |   |   |  |  |  |  |  |  |  |  |  | Sample Comments |  |
|-----------------------|------------|------|------|-------|-----------|-----------|------------|---|---|--|--|--|--|--|--|--|--|--|-----------------|--|
| CS-1 (1.0')           | 10/17/2025 |      | X    |       | Comp      | 1         | X          | X | X |  |  |  |  |  |  |  |  |  |                 |  |
| CS-2 (1.0')           | 10/17/2025 |      | X    |       | Comp      | 1         | X          | X | X |  |  |  |  |  |  |  |  |  |                 |  |
| CS-3 (2.0')           | 10/17/2025 |      | X    |       | Comp      | 1         | X          | X | X |  |  |  |  |  |  |  |  |  |                 |  |
| CS-4 (2.0')           | 10/17/2025 |      | X    |       | Comp      | 1         | X          | X | X |  |  |  |  |  |  |  |  |  |                 |  |
| CS-5 (2.0')           | 10/17/2025 |      | X    |       | Comp      | 1         | X          | X | X |  |  |  |  |  |  |  |  |  |                 |  |
| CS-6 (2.0')           | 10/17/2025 |      | X    |       | Comp      | 1         | X          | X | X |  |  |  |  |  |  |  |  |  |                 |  |
| CS-7 (2.0')           | 10/17/2025 |      | X    |       | Comp      | 1         | X          | X | X |  |  |  |  |  |  |  |  |  |                 |  |
| CS-8 (2.0')           | 10/17/2025 |      | X    |       | Comp      | 1         | X          | X | X |  |  |  |  |  |  |  |  |  |                 |  |
| SW-1 (1.0')           | 10/17/2025 |      | X    |       | Comp      | 1         | X          | X | X |  |  |  |  |  |  |  |  |  |                 |  |
| SW-2 (1.0')           | 10/17/2025 |      | X    |       | Comp      | 1         | X          | X | X |  |  |  |  |  |  |  |  |  |                 |  |

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time



## Chain of Custody

Work Order No: 11450548

Page 23 of 23

Page 2 of 2

|                  |                       |                         |   |
|------------------|-----------------------|-------------------------|---|
| Project Manager: | Ashton 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 Marlenfield St, Suite 600   |
| City, State ZIP: | Midland, TX 79701     | City, State ZIP:        | Midland, TX 79701   |
| Phone:           | 432-813-8988          | Email:                  | <a href="mailto:laci.luig@coterra.com">laci.luig@coterra.com</a> & <a href="mailto:nathaniel.rose@coterra.com">nathaniel.rose@coterra.com</a> |

|  |  |
|--|--|
| Work Order Comments  |  |
| Program: <input type="checkbox"/> US/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"/> PRP <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 | Due Date:   | 24hr      | Parameters | ANALYSIS REQUEST |   |   |  |  |  |  |  |  |  | Preservative Codes  |  |
| Project Number:       | 2714  |   |   |   |           |            |                  |   |   |  |  |  |  |  |  |  | None: NO DI Water: H <sub>2</sub> O                               |  |
| Project Location:     | Eddy County, New Mexico   |   |   |   |           |            |                  |   |   |  |  |  |  |  |  |  | Cool: Cool MeOH: Me   |  |
| Sampler's Name:       | JDC   |   |   |   |           |            |                  |   |   |  |  |  |  |  |  |  | HCL: HC HNO <sub>3</sub> : HN                                     |  |
| PO #:                 |   |   |   |   |           |            |                  |   |   |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> 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 <sub>3</sub> PO <sub>4</sub> : HP                               |  |
| Received Intact:      | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>     | Thermometer ID:   | #140  |   |           |            |                  |   |   |  |  |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS  |  |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Correction Factor:  | +0.8  |   |           |            |                  |   |   |  |  |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Temperature Reading:  | 3.1   |   |           |            |                  |   |   |  |  |  |  |  |  |  | Zn Acetate+NaOH: Zn   |  |
| Total Containers:     |   | Corrected Temperature:  | 3.4   |   |           |            |                  |   |   |  |  |  |  |  |  |  | NaOH+Ascorbic Acid: SAPC  |  |
| Sample Identification | Date  | Time  | Soil  | Water   | Grab/Comp | # of Cont  |                  |   |   |  |  |  |  |  |  |  | Sample Comments   |  |
| SW-3 (1.0')           | 10/17/2025  |   | X   |   | Comp      | 1          | X                | X | X |  |  |  |  |  |  |  |   |  |
| SW-4 (1.0-2.0')       | 10/17/2025  |   | X   |   | Comp      | 1          | X                | X | X |  |  |  |  |  |  |  |   |  |
| SW-5 (2.0')           | 10/17/2025  |   | X   |   | Comp      | 1          | X                | X | X |  |  |  |  |  |  |  |   |  |
| SW-6 (2.0')           | 10/17/2025  |   | X   |   | Comp      | 1          | X                | X | X |  |  |  |  |  |  |  |   |  |
| SW-7 (2.0')           | 10/17/2025  |   | X   |   | Comp      | 1          | X                | X | X |  |  |  |  |  |  |  |   |  |
| SW-8 (2.0')           | 10/17/2025  |   | X   |   | Comp      | 1          | X                | X | X |  |  |  |  |  |  |  |   |  |
| SW-9 (2.0')           | 10/17/2025  |   | X   |   | Comp      | 1          | X                | X | X |  |  |  |  |  |  |  |   |  |
| SW-10 (2.0')          | 10/17/2025  |   | X   |   | Comp      | 1          | X                | X | X |  |  |  |  |  |  |  |   |  |
| SW-11 (2.0')          | 10/17/2025  |   | X   |   | Comp      | 1          | X                | X | X |  |  |  |  |  |  |  |   |  |

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS

Action 525758

**QUESTIONS**

|   |   |
|---|---|
| Operator:<br>CIMAREX ENERGY CO. OF COLORADO<br>6001 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>162683  |
|   | Action Number:<br>525758  |
|   | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

|                      |   |
|----------------------|---|
| <b>Prerequisites</b> |   |
| 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***Please answer all the questions in this group.*

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

**Incident Details***Please answer all the questions in this group.*

|  |                        |
|--|------------------------|
| 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***Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

|  |  |
|--|--|
| Crude Oil Released (bbls) Details  | 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)**

|   |   |
|---|---|
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**QUESTIONS**

| <b>Nature and Volume of Release (continued)</b>   |  |
|---|--|
| 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:<br>(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<br>Title: EHS Specialist<br>Email: Ashton.Thielke@coterra.com<br>Date: 11/12/2025 |
|--|--|

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QUESTIONS, Page 3

Action 525758

**QUESTIONS (continued)**

|   |                |
|---|----------------|
| Operator:<br>CIMAREX ENERGY CO. OF COLORADO<br>6001 Deauville Blvd<br>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                                   |
| <b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>   |                                      |
| 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:<br>CIMAREX ENERGY CO. OF COLORADO<br>6001 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>162683  |
|   | Action Number:<br>525758  |
|   | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

|  |  |
|--|--|
| <b>Remediation Plan (continued)</b>  |  |
| <i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>   |  |
| <b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>   |  |
| <i>(Select all answers below that apply.)</i>  |  |
| (Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)  | Yes  |
| Which OCD approved facility will be used for <b>off-site</b> disposal  | Not answered.  |
| <b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal  | Not answered.  |
| <b>OR</b> is the <b>off-site</b> 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   |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility   | Not answered.  |
| (Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)  | Not answered.  |
| (In Situ) Soil Vapor Extraction  | Not answered.  |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)  | Not answered.  |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)   | Not answered.  |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)   | Not answered.  |
| Ground Water Abatement pursuant to 19.15.30 NMAC   | Not answered.  |
| OTHER (Non-listed remedial process)  | Not answered.  |
| <i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>   |  |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |  |
| I hereby agree and sign off to the above statement   | Name: Ashton Thielke<br>Title: EHS Specialist<br>Email: Ashton.Thielke@coterra.com<br>Date: 11/12/2025 |
| <i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>  |  |



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QUESTIONS, Page 5

Action 525758

QUESTIONS (continued)

|   |   |
|---|---|
| Operator:<br>CIMAREX ENERGY CO. OF COLORADO<br>6001 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>162683  |
|   | Action Number:<br>525758  |
|   | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

|  |    |
|--|----|
| Deferral Requests Only   |    |
| Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation. |    |
| Requesting a deferral of the remediation closure due date with the approval of this submission   | No |

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QUESTIONS, Page 6

Action 525758

**QUESTIONS (continued)**

|   |   |
|---|---|
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|   | Action Number:<br>525758  |
|   | Action Type:<br>[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  |   |
|--|---|
| <i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>  |   |
| Requesting a remediation closure approval with this submission   | Yes   |
| Have the lateral and vertical extents of contamination been fully delineated   | Yes   |
| Was this release entirely contained within a lined containment area  | No  |
| All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion   | Yes   |
| What was the total surface area (in square feet) remediated  | 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. |
| <i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>   |   |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. |   |
| I hereby agree and sign off to the above statement   | Name: Ashton Thielke<br>Title: EHS Specialist<br>Email: Ashton.Thielke@coterra.com<br>Date: 11/12/2025  |

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 7  
  
Action 525758

QUESTIONS (continued)

|   |   |
|---|---|
| Operator:<br><br>CIMAREX ENERGY CO. OF COLORADO<br>6001 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br><br>162683  |
|   | Action Number:<br><br>525758  |
|   | Action Type:<br><br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

|   |    |
|---|----|
| Reclamation Report  |    |
| Only answer the questions in this group if all reclamation steps have been completed. |    |
| Requesting a reclamation approval with this submission                                | No |

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State of New Mexico  
Energy, Minerals and Natural Resources  
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1220 S. St Francis Dr.  
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CONDITIONS

Action 525758

CONDITIONS

|   |   |
|---|---|
| Operator:<br>CIMAREX ENERGY CO. OF COLORADO<br>6001 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>162683  |
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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      |