

CARMONA RESOURCES



## SITE INFORMATION

---

**Work Plan**  
**Green Drake 16 Fed Com #402H**  
**Lea County, New Mexico**  
**Incident ID: NAPP2222251300**  
**Unit I Sec 16 T25S R33E**  
**32.129780°, -103.572726°**

**Reuse Water Release**  
**Point of Release: Pump Down Tanks**  
**Release Date: 08/02/2022**  
**Volume Released: 5 barrels of Reuse Water**  
**Volume Recovered: 2 barrels of Reuse Water**

CARMONA RESOURCES



**Prepared for:**  
**EOG Resources, Inc**  
**5509 Champions Dr.**  
**Midland, TX 79706**

**Prepared by:**  
**Carmona Resources, LLC**  
**310 West Wall Street**  
**Suite 500**  
**Midland, Texas 79701**

310 West Wall Street, Suite 500  
Midland TX, 79701  
432.813.1992



## TABLE OF CONTENTS

---

### 1.0 SITE INFORMATION AND BACKGROUND

### 2.0 SITE CHARACTERIZATION AND GROUNDWATER

### 3.0 NMAC REGULATORY CRITERIA

### 4.0 SITE ASSESSMENT ACTIVITIES

### 5.0 PROPOSED WORK PLAN

### 6.0 CONCLUSIONS

### FIGURES

FIGURE 1      OVERVIEW      FIGURE 2      TOPOGRAPHIC

FIGURE 3      SAMPLE LOCATION      FIGURE 4      PROPOSED EXCAVATION

### APPENDICES

APPENDIX A      TABLE

APPENDIX B      PHOTOS

APPENDIX C      INITIAL C-141 AND REMEDIATION PLAN

APPENDIX D      SITE CHARACTERIZATION AND GROUNDWATER

APPENDIX E      LABORATORY REPORT



February 1, 2023

New Mexico Oil Conservation Division  
1220 South St, Francis Drive  
Santa Fe, NM 87505

**Re: Work Plan  
Green Drake 16 Fed Com #402H  
EOG Resources Inc.  
Incident # NAPP2222251300  
Site Location: Unit I, S16, T25S, R33E  
(Lat 32.129780°, Long -103.572726°)  
Lea County, New Mexico**

To whom it may concern:

On behalf of EOG Resources Inc. (EOG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Green Drake 16 Fed Com #402H. This site is located at 32.129780°, -103.572726° within Unit I, S16, T25S, R33E, in Lea 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 August 2, 2022, due to a digital tank level gauge failure causing a pump-down tank overflow. It resulted in the release of approximately five (5) barrels of reuse water, and two (2) barrels of reuse water were recovered. The impacted area occurred on the pad. See Figure 3. The initial C-141 form is attached in Appendix C.

### **2.0 Site Characterization and Groundwater**

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is located approximately 1.69 miles Southwest of the site in S20, T25S, R33E and was drilled in 1981. The well has a reported depth to groundwater of 204.36' below ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

On January 3, 2023, H&R Enterprises, LLC was onsite to drill a groundwater determination bore to 60' below ground surface and within a 0.50-mile radius of the location. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 60' below the surface. The coordinates for the groundwater determination bore are 32.130188, -103.572554. See Appendix D for the log.

### **3.0 NMAC Regulatory Criteria**

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

310 West Wall Street, Suite 500  
Midland, Texas 79701  
432.813.1992



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

#### **4.0 Site Assessment Activities**

##### **Trenching Activities**

On November 3, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. Four (4) trenches and four (4) horizontal samples were advanced to depths ranging from the surface to 8' bgs inside the release area to assess the vertical and horizontal extent. 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 D. See Table 1 for the analytical results.

##### **Vertical Delineation**

Vertical delineation was achieved for Trenches (T-1, T-2, T-3, and T-4), all below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

##### **Horizontal Delineation**

The areas of H-1 through H-4 were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

#### **5.0 Proposed Work Plan**

Based on the analytical data detected for TPH and chloride concentrations, EOG proposes to remediate the areas shown in Figure 4 and highlighted (blue) in Table 1.

- The areas of T-1, T-2, and T-4 will be excavated to a depth of 4.5' below the surface and backfilled with clean material to grade.
- The area of T-3 will be excavated to a depth of 2' below the surface and backfilled with clean material to grade.
- An estimated 315 cubic yards are to be removed and hauled to the nearest disposal.
- The samples collected will be analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 300.0.



CARMONA RESOURCES



- Once the site activities and excavation are complete, the areas will be backfilled with clean material to surface grade. The remediation will be implemented 90 days after the work plan is approved.

## **6.0 Conclusions**

Upon completion, a final closure report describing the remediation activities will be presented to the New Mexico Oil Conservation Division (NMOCD). If you have any questions regarding this report or need additional information, don't hesitate to contact us at 432-813-1992.

Sincerely,

**Carmona Resources, LLC**

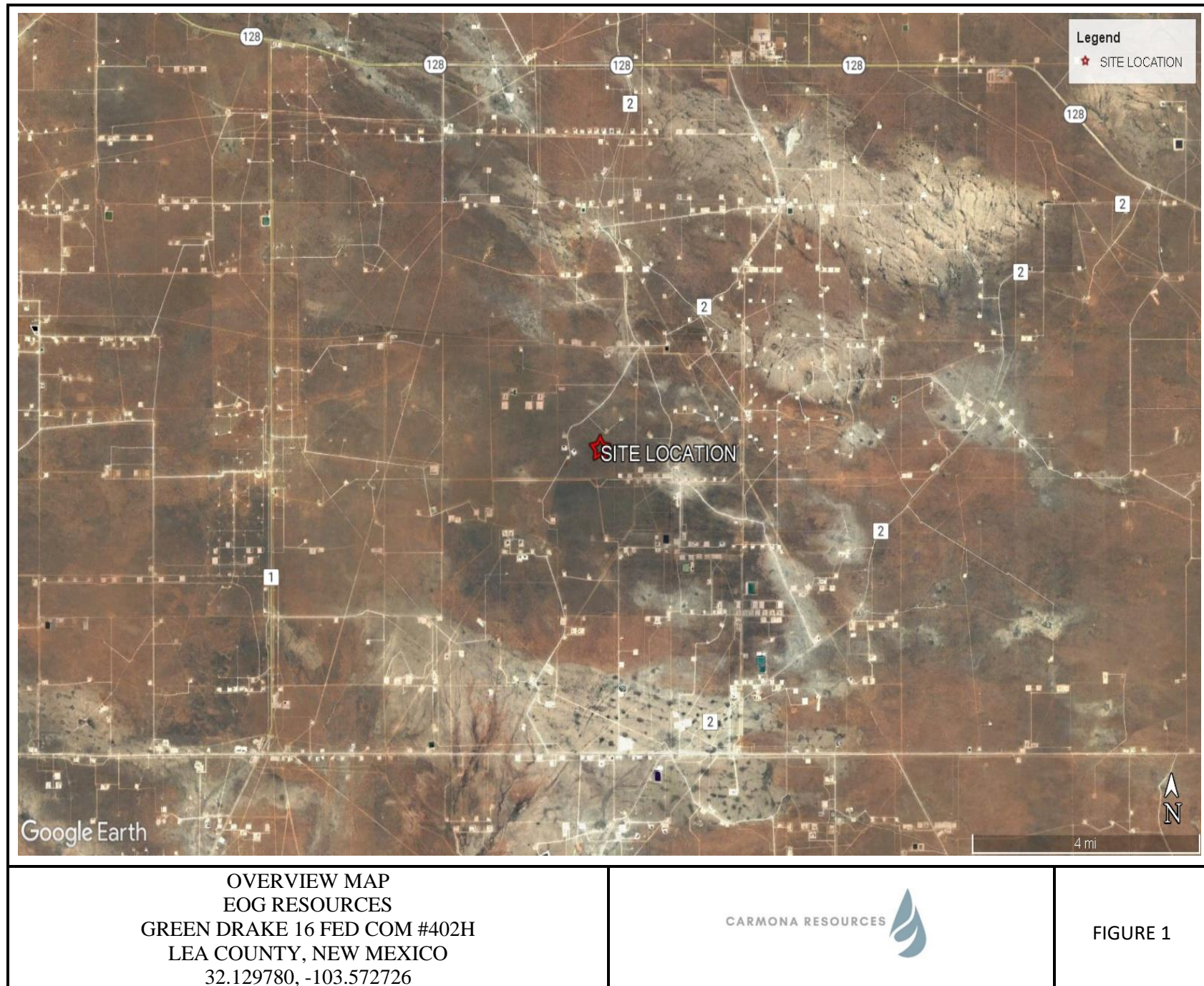
Mike Carmona  
Environmental Manager

Conner Moehring  
Sr. Project Manager

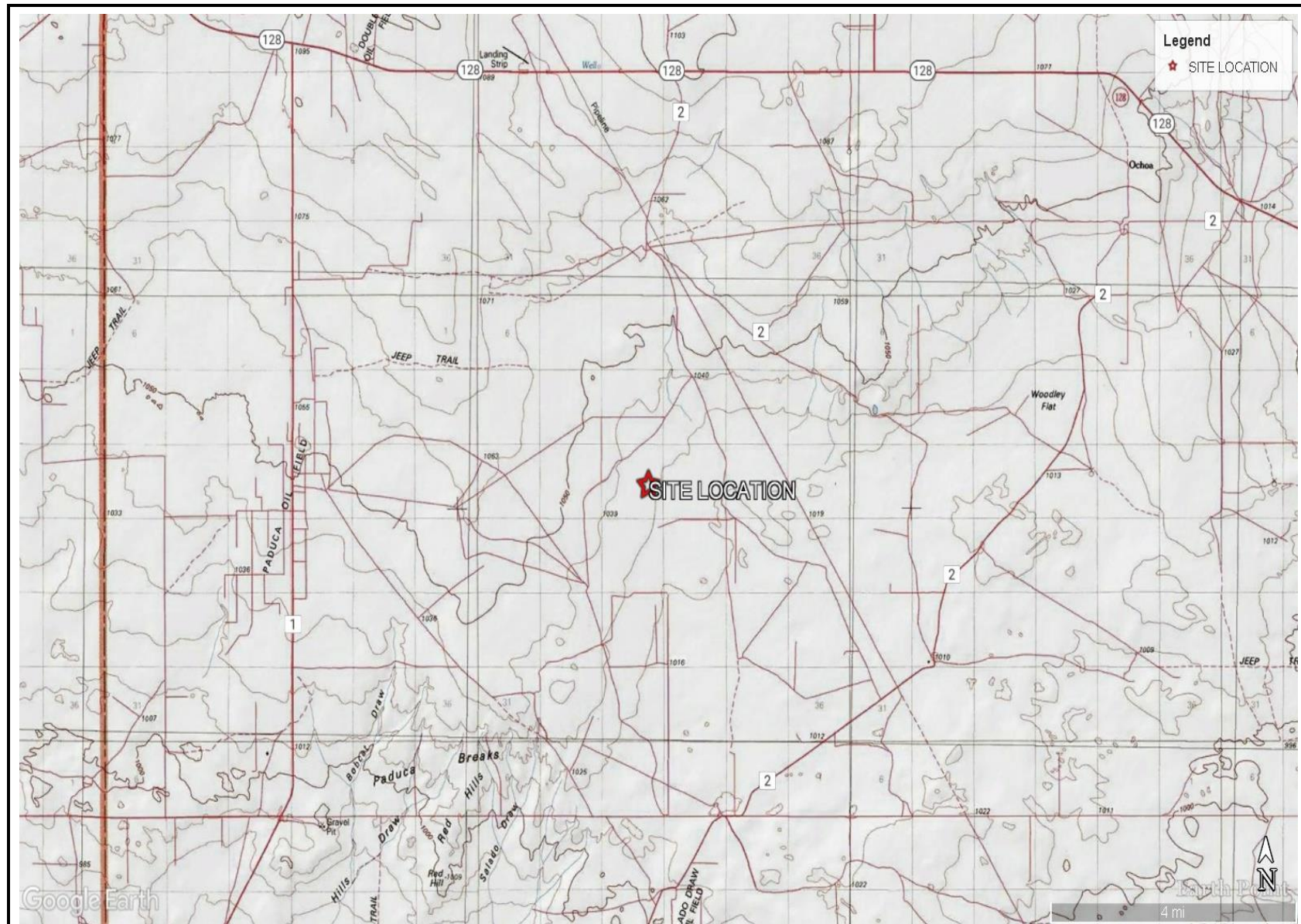
## FIGURES

CARMONA RESOURCES







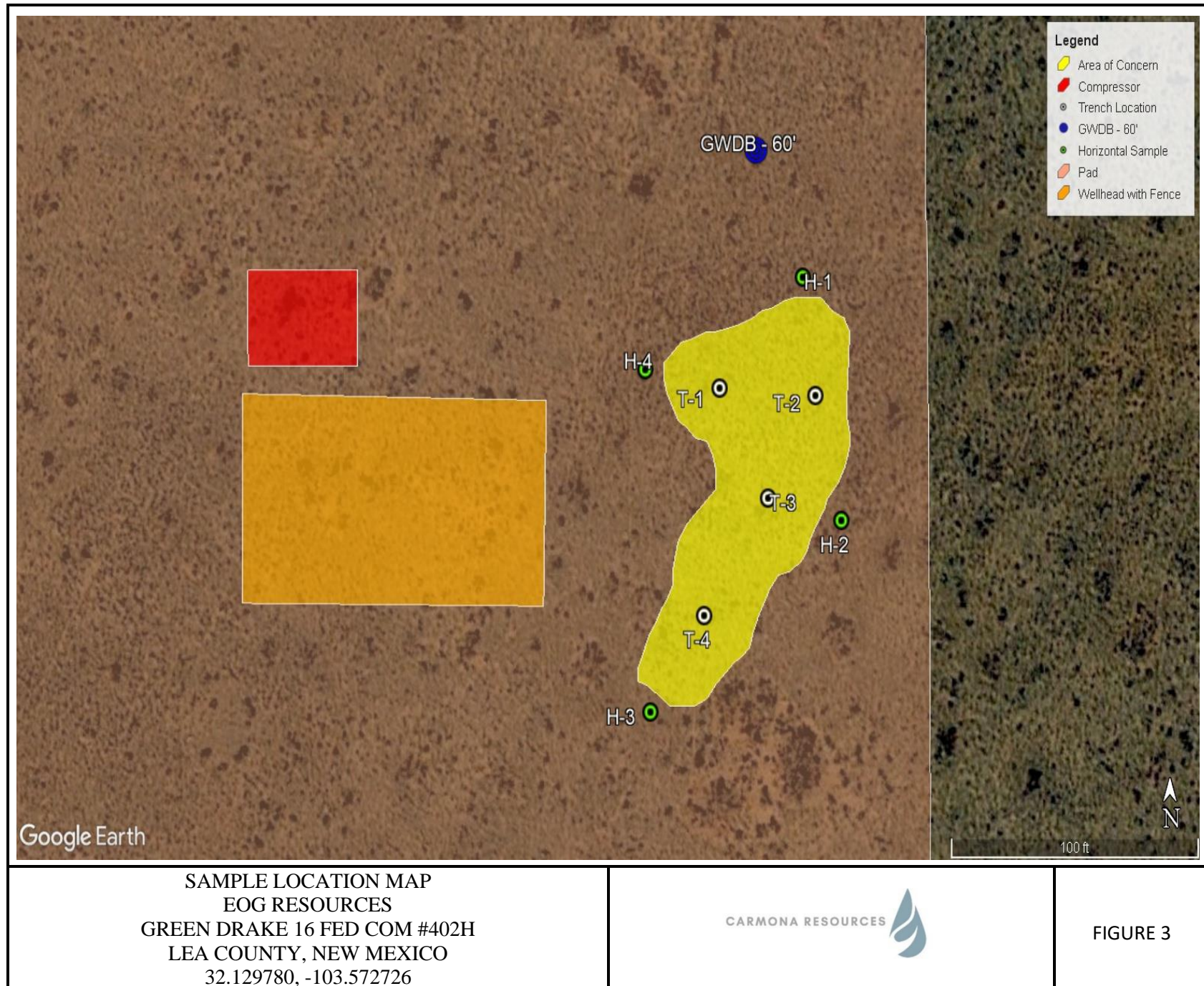


TOPOGRAPHIC MAP  
EOG RESOURCES  
GREEN DRAKE 16 FED COM #402H  
LEA COUNTY, NEW MEXICO  
32.129780, -103.572726

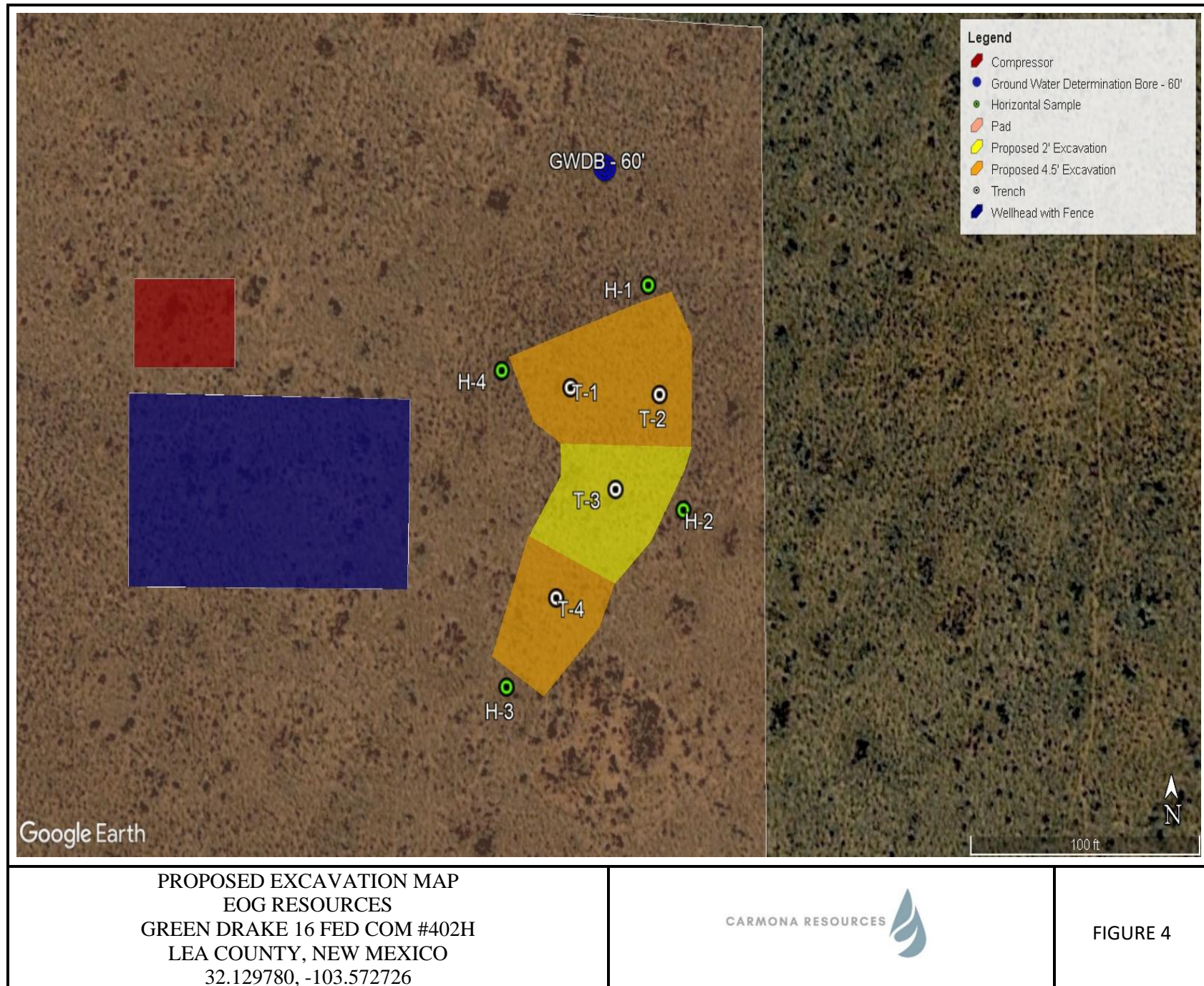


FIGURE 2









## APPENDIX A

CARMONA RESOURCES



**Table 1**  
**EOG**  
**Green Drake Fed Com 402H**  
**Lea County, New Mexico**

| Sample ID                        | Date      | Depth (ft) | TPH (mg/kg) |       |       |             | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|----------------------------------|-----------|------------|-------------|-------|-------|-------------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
|                                  |           |            | GRO         | DRO   | MRO   | Total       |                 |                 |                      |                |                    |                  |
| T-1                              | 11/3/2022 | 0-1        | <10.0       | 133   | 45.2  | 178         | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 34,400           |
|                                  | "         | 1.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 3,360            |
|                                  | "         | 2.0        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 3,600            |
|                                  | "         | 3.0        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 3,840            |
|                                  | "         | 4.0        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 4,160            |
|                                  | "         | 5.0        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 5,600            |
|                                  | "         | 6.0        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 1,760            |
|                                  | "         | 7.0        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 144              |
| T-2                              | 11/3/2022 | 0-1        | <10.0       | 50.6  | 12.8  | 63.4        | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 52,800           |
|                                  | "         | 1.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 2,270            |
|                                  | "         | 2.0        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 2,720            |
|                                  | "         | 3.0        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 4,720            |
|                                  | "         | 4.0        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 6,160            |
|                                  | "         | 5.0        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 3,560            |
|                                  | "         | 6.0        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 2,440            |
|                                  | "         | 7.0        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 1,950            |
|                                  | "         | 8.0        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 336              |
| T-3                              | 11/3/2022 | 0-1        | <10.0       | 560   | 346   | 906         | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 24,800           |
|                                  | "         | 1.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 1,220            |
|                                  | "         | 2.0        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 144              |
|                                  | "         | 3.0        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 48.0             |
|                                  | "         | 4.0        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 32.0             |
| T-4                              | 11/3/2022 | 0-1        | <10.0       | 342   | 213   | 555         | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 9,120            |
|                                  |           | 1.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 1,980            |
|                                  | "         | 2.0        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 3,040            |
|                                  | "         | 3.0        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 4,840            |
|                                  | "         | 4.0        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 1,200            |
|                                  | "         | 5.0        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 480              |
|                                  | "         | 6.0        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 64.0             |
| H-1                              | 11/3/2022 | 0-0.5      | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 32.0             |
| H-2                              | 11/3/2022 | 0-0.5      | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 16.0             |
| H-3                              | 11/3/2022 | 0-0.5      | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 16.0             |
| H-4                              | 11/3/2022 | 0-0.5      | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 16.0             |
| Regulatory Criteria <sup>A</sup> |           |            | 1,000 mg/kg |       |       | 2,500 mg/kg | 10 mg/kg        | -               | -                    | -              | 50 mg/kg           | 10,000 mg/kg     |

(-) Not Analyzed

<sup>A</sup> – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(T) Trench

(H) Horizontal

Proposed Excavation



## APPENDIX B

CARMONA RESOURCES



**PHOTOGRAPHIC LOG**

EOG Resources, Inc

**Photograph No. 1**

**Facility:** Green Drake 16 Fed Com  
#402H

**County:** Lea County, New Mexico

**Description:**

View West, area of T-1 and T-2.

**Photograph No. 2**

**Facility:** Green Drake 16 Fed Com  
#402H

**County:** Lea County, New Mexico

**Description:**

View North, area of T-3.

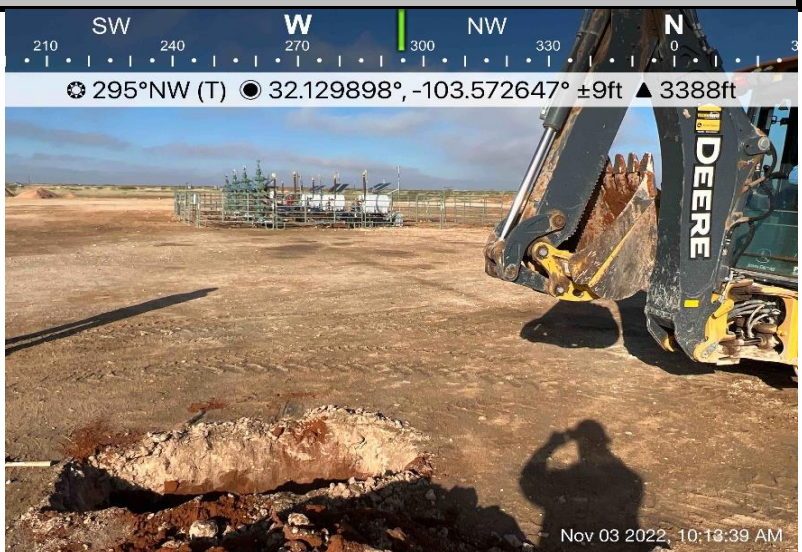
**Photograph No. 3**

**Facility:** Green Drake 16 Fed Com  
#402H

**County:** Lea County, New Mexico

**Description:**

View West, area of T-4.



## APPENDIX C

CARMONA RESOURCES



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

|                |                |
|----------------|----------------|
| Incident ID    | nAPP2222251300 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

Release Notification

Responsible Party

|  |   |
|--|---|
| Responsible Party EOG Resources                                | OGRID 7377                                  |
| Contact Name Todd Wells  | Contact Telephone (432) 686-3613            |
| Contact email Todd_Wells@eogresources.com                      | Incident # (assigned by OCD) nAPP2222251300 |
| Contact mailing address 5509 Champions Drive Midland, TX 79706 |   |

Location of Release Source

Latitude 32.129780° Longitude -103.572726°  
(NAD 83 in decimal degrees to 5 decimal places)

|  |                      |
|--|----------------------|
| Site Name Green Drake 16 Fed Com #402H | Site Type Well Pad   |
| Date Release Discovered 8/2/22         | API# (if applicable) |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| I           | 16      | 25S      | 33E   | Lea    |

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

|   |  |   |
|---|--|---|
| <input type="checkbox"/> Crude Oil              | Volume Released (bbls)   | Volume Recovered (bbls)   |
| <input checked="" type="checkbox"/> Reuse Water | Volume Released (bbls) 5   | Volume Recovered (bbls) 2   |
|   | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate             | Volume Released (bbls)   | Volume Recovered (bbls)   |
| <input type="checkbox"/> Natural Gas            | Volume Released (Mcf)  | Volume Recovered (Mcf)  |
| <input type="checkbox"/> Other (describe)       | Volume/Weight Released (provide units)   | Volume/Weight Recovered (provide units)                             |

Cause of Release: The digital tank level gauge failed. The wrong measurement caused the operator to fill and overflow the pump down tanks. This released approximately 5 bbls of treated reuse water on the pad with 2 bbls recovered.

State of New Mexico  
Oil Conservation Division

|                |                |
|----------------|----------------|
| Incident ID    | NAPP2222251300 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

|   |  |
|---|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?                          |  |

**Initial Response**

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

|   |
|---|
| <input checked="" type="checkbox"/> The source of the release has been stopped.<br><input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.<br><input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.<br><input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.  |
| If all the actions described above have <u>not</u> been undertaken, explain why:  |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. 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 attach all information needed for closure evaluation.   |
| 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.<br><br>Printed Name: <u>Todd Wells</u> Title: <u>Environmental Specialist</u><br><br>Signature: <u>Todd Wells</u> Date: <u>8/10/22</u><br><br>email: <u>Todd_Wells@eogresources.com</u> Telephone: <u>(432) 686-3613</u> |
| <b><u>OCD Only</u></b><br><br>Received by: <u>Jocelyn Harimon</u> Date: <u>08/10/2022</u>   |



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 132803

CONDITIONS

|  |   |
|--|---|
| Operator:<br>EOG RESOURCES INC<br>P.O. Box 2267<br>Midland, TX 79702 | OGRID:<br>7377  |
|  | Action Number:<br>132803                                  |
|  | Action Type:<br>[C-141] Release Corrective Action (C-141) |

CONDITIONS

|            |           |                |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| jharimon   | None      | 8/10/2022      |

|                |  |
|----------------|--|
| Incident ID    |  |
| District RP    |  |
| Facility ID    |  |
| Application ID |  |

## Site Assessment/Characterization

*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?   | _____ (ft bgs)   |
| Did this release impact groundwater or surface water?   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?  | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?  | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?  | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland?  | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine?   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology?  | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain?  | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?  | <input type="checkbox"/> Yes <input type="checkbox"/> No |

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### **Characterization Report Checklist:** *Each of the following items must be included in the report.*

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico  
Oil Conservation Division

Page 4

|                |  |
|----------------|--|
| Incident ID    |  |
| District RP    |  |
| Facility ID    |  |
| Application ID |  |

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.

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: Todd Wells Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**Received by: Jocelyn Harimon Date: 02/02/2023



|                |  |
|----------------|--|
| Incident ID    |  |
| District RP    |  |
| Facility ID    |  |
| Application ID |  |

## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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.

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: Todd Wells Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**Received by: Jocelyn Harimon Date: 02/02/2023☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature: Jennifer Nobui Date: 02/17/2023

FW: [EXTERNAL] EOG - Green Drake 16 Fed Com #402H

 **Nobui, Jennifer, EMNRD** <Jennifer.Nobui@emnrd.nm.gov>  
11/4/2022 11:18 AM

To: Todd Wells Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Todd

OCD has approved your 90-day extension request to February 2, 2023 to submit your remediation plan/closure request. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,  
Jennifer Nobui

**From:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Sent:** Friday, November 4, 2022 9:12 AM  
**To:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>  
**Subject:** Fw: [EXTERNAL] EOG - Green Drake 16 Fed Com #402H

**From:** Todd Wells <Todd\_Wells@eogresources.com>  
**Sent:** Friday, November 4, 2022 8:47 AM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Subject:** [EXTERNAL] EOG - Green Drake 16 Fed Com #402H

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

Good Morning,

This correspondence is to request a ninety day extension of time from the OCD for the reuse water release at the EOG, Green Drake 16 Fed Com #402H, Incident #nAPP2222251300, location in Lea County, New Mexico. Following the release, the completions operations continued for an extended period of weeks on the site for multiple operations on the same pad. The completions operations and equipment at the site prevented access to begin the remediation. The personnel and equipment have moved off the location and remediation activities have started at this site in order to complete the remediation. The requested extension of time is to complete the remediation, write and submit the closure report. Please let us know if you have any questions regarding this site.

Thank you,

Todd Wells  
Environmental Specialist  
Midland Division

  
5509 Champions Drive  
Midland, TX 79706  
O: (432) 686-3613  
C: (432) 312-7736  
Todd\_Wells@eogresources.com  
Released to Imaging: 2/1/2023 2:41:58 PM

## APPENDIX D

CARMONA RESOURCES





Groundwater

Determination Bore Map

EOG Resources

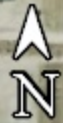
Legend

- 0.50 Mile Radius
- Green Drake 16 Fed Com 402H
- GWDB - 60'
- Pad



GWDB - 60'

Green Drake 16 Fed Com 402H



2000 ft





|                |                          |           |                          |
|----------------|--------------------------|-----------|--------------------------|
| Project Name : | EOG - Green Drake 402    | Date :    | Tuesday, January 3, 2023 |
| Project No. :  | 1170                     | Sampler : |                          |
| Location :     | Lea County, New Mexico   | Driller : | HR Drilling              |
| Coordinates :  | 32.130188°, -103.572554° | Method :  | Air Rotary               |
| Elevation :    | 3,391'                   |           |                          |

| Depth (ft.) | WL | Soil Description   | Lithology | Depth (ft.) | WL | Soil Description  | Lithology |
|-------------|----|--|-----------|-------------|----|---|-----------|
| 0           |    | (0') - Red to light brown very loose, soft silty sand, dry, no organics (SM).  |           | 50          |    | (50') - Red to light brown, very loose, soft silty sand, dry, no organics (SM). |           |
| 5           |    | (5') - Red to light brown very loose, soft silty sand, dry, no organics (SM).  |           | 55          |    | (55') - Red to light brown, very loose, soft silty sand, dry, no organics (SM). |           |
| 10          |    | (10') - White to light brown very loose, soft silty sand, with >5% fine, well cemented, angular gravel, dry, no organics (SM). |           | 60          |    | (60') - Red to light brown, very loose, soft silty sand, dry, no organics (SM). |           |
| 15          |    | (15') - White to light brown very loose, soft silty sand, with >5% fine, well cemented, angular gravel, dry, no organics (SM). |           | 65          |    |   |           |
| 20          |    | (20') - White to light brown very loose, soft silty sand, with >5% fine, well cemented, angular gravel, dry, no organics (SM). |           | 70          |    |   |           |
| 25          |    | (25') - White to light brown very loose, soft silty sand, with >5% fine, well cemented, angular gravel, dry, no organics (SM). |           | 75          |    |   |           |
| 30          |    | (30') - White to light brown very loose, soft silty sand, with >5% fine, well cemented, angular gravel, dry, no organics (SM). |           | 80          |    |   |           |
| 35          |    | (35') - White to light brown very loose, soft silty sand, with >5% fine, well cemented, angular gravel, dry, no organics (SM). |           | 85          |    |   |           |
| 40          |    | (40') - Red to light brown, very loose, soft silty sand, dry, no organics (SM).  |           | 90          |    |   |           |
| 45          |    | (45') - Red to light brown, very loose, soft silty sand, dry, no organics (SM).  |           | 95          |    |   |           |
| 50          |    |  |           | 105         |    |   |           |

Comments : Boring terminated at 60' due to borehole collapsing. No groundwater was detected.



# Nearest water well

EOG Resources

**Legend**

- 0.50 Mile Radius
- 1.69 Miles
- 2.06 Miles
- 2.48 Miles
- 2.61 Miles
- 2.87 Miles
- Green Drake 402
- NMSEO Water Well
- USGS Water Well




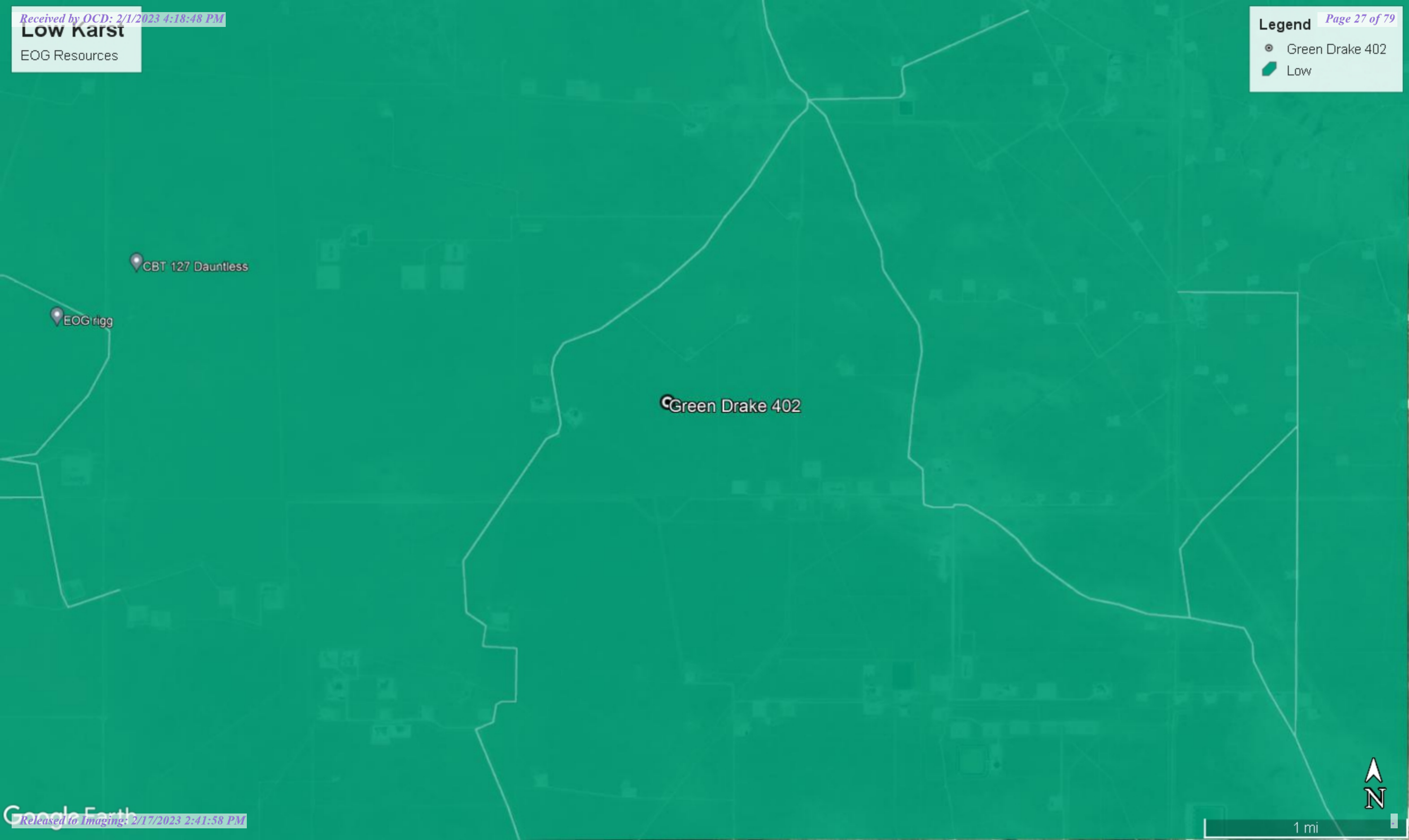


**Low Karst**

EOG Resources

**Legend**

-  Green Drake 402
-  Low





# 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 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number                        | POD Sub-Code | basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X      | Y        | Distance | Depth Well | Depth Water | Water Column |
|-----------------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|------------|-------------|--------------|
| <a href="#">C 04627 POD1</a>      | CUB          | LE    |        | 3    | 3    | 4   | 08  | 25S | 33E | 632665 | 3556725  | 2180     |            |             |              |
| <a href="#">C 02373 CLW317846</a> | O            | CUB   | LE     | 2    | 1    | 1   | 13  | 25S | 33E | 638518 | 3556544* | 3989     | 625        | 185         | 440          |
| <a href="#">C 02373 S</a>         | CUB          | LE    |        | 1    | 2    | 1   | 13  | 25S | 33E | 638721 | 3556549* | 4189     | 625        | 185         | 440          |
| <a href="#">C 02313</a>           | CUB          | LE    |        | 2    | 3    | 3   | 26  | 25S | 33E | 636971 | 3552098* | 4340     | 150        | 110         | 40           |

Average Depth to Water: **160 feet**

Minimum Depth: **110 feet**

Maximum Depth: **185 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

**Easting (X):** 634610.19

**Northing (Y):** 3555739.81

**Radius:** 4500

\*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.

11/2/22 8:39 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER





USGS Home  
Contact USGS  
Search USGS

National Water Information System: Web Interface


USGS Water Resources

Data Category:  
Groundwater

Geographic Area:  
New Mexico

GO

Click to hideNews Bulletins

- Effective October 24, 2022 hyperlinks to legacy Current Condition pages will automatically redirect users to the corresponding Monitoring Location page. Please see the [Water Data For The Nation Blog](#) for full details, including how to navigate back to the legacy Current Condition page, if desired.
- Explore the NEW [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 320631103351401

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

USGS 320631103351401 25S.33E.20.443313

Lea County, New Mexico  
Latitude 32°06'31", Longitude 103°35'14" NAD27  
Land-surface elevation 3,398 feet above NAVD88  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Chinle Formation (231CHNL) 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 date-time accuracy | ?<br>Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ?<br>Status | ?<br>Method of measurement | ?<br>Measuring agency | ?<br>Source measu |
|------------|------|-------------------------------------|---------------------|--------------------------------------|---|---------------------------|-------------|----------------------------|-----------------------|-------------------|
|            |      |                                     |                     |                                      |   |                           |             |                            |                       |                   |
| 1981-03-25 |      |                                     | D                   | 62610                                | 3192.01   | NGVD29                    | 1           |                            | Z                     |                   |
| 1981-03-25 |      |                                     | D                   | 62611                                | 3193.64   | NAVD88                    | 1           |                            | Z                     |                   |
| 1981-03-25 |      |                                     | D                   | 72019                                | 204.36  |                           | 1           |                            | Z                     |                   |

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         |

| Section                     | Code   | Description  |
|-----------------------------|--------|--|
| Referenced vertical datum   | NGVD29 | National Geodetic Vertical Datum of 1929                     |
| Status                      | 1      | Static   |
| Method of measurement       | Z      | Other.   |
| Measuring agency            |        | Not determined   |
| Source of measurement       |        | Not determined   |
| Water-level approval status | A      | Approved for publication -- Processing and review completed. |

[Questions about sites/data?](#)  
[Feedback on this web site](#)  
[Automated retrievals](#)  
[Help](#)  
[Data Tips](#)  
[Explanation of terms](#)  
[Subscribe for system changes](#)  
[News](#)

[Accessibility](#)   [FOIA](#)   [Privacy](#)   [Policies and Notices](#)  
[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)  
**Title: Groundwater for New Mexico: Water Levels**  
**URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**



Page Contact Information: [New Mexico Water Data Maintainer](#)  
Page Last Modified: 2022-11-02 10:45:02 EDT  
0.28 0.24 nadww02



USGS Home  
Contact USGS  
Search USGS

National Water Information System: Web Interface


USGS Water Resources

Data Category:  
Groundwater

Geographic Area:  
New Mexico

GO

Click to hideNews Bulletins

- Effective October 24, 2022 hyperlinks to legacy Current Condition pages will automatically redirect users to the corresponding Monitoring Location page. Please see the [Water Data For The Nation Blog](#) for full details, including how to navigate back to the legacy Current Condition page, if desired.
- Explore the NEW [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 320615103352601

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

USGS 320615103352601 25S.33E.20.443331

Lea County, New Mexico  
Latitude 32°06'15", Longitude 103°35'26" NAD27  
Land-surface elevation 3,404 feet above NAVD88  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Ogallala Formation (121OGLL) 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 date-time accuracy | ?<br>Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ?<br>Status | ?<br>Method of measurement | ?<br>Measuring agency | ?<br>Source measu |
|------------|------|-------------------------------------|---------------------|--------------------------------------|---|---------------------------|-------------|----------------------------|-----------------------|-------------------|
|            |      |                                     |                     |                                      |   |                           |             |                            |                       |                   |
| 1970-12-08 |      |                                     | D 62610             |                                      | 3189.60   | NGVD29                    | 1           |                            | Z                     |                   |
| 1970-12-08 |      |                                     | D 62611             |                                      | 3191.23   | NAVD88                    | 1           |                            | Z                     |                   |
| 1970-12-08 |      |                                     | D 72019             | 212.77                               |   |                           | 1           |                            | Z                     |                   |
| 1976-01-08 |      |                                     | D 62610             |                                      | 3189.40   | NGVD29                    | 1           |                            | Z                     |                   |
| 1976-01-08 |      |                                     | D 62611             |                                      | 3191.03   | NAVD88                    | 1           |                            | Z                     |                   |
| 1976-01-08 |      |                                     | D 72019             | 212.97                               |   |                           | 1           |                            | Z                     |                   |

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   |
| Method of measurement       | Z      | Other.   |
| Measuring agency            |        | Not determined   |
| Source of measurement       |        | Not determined   |
| Water-level approval status | A      | Approved for publication -- Processing and review completed. |

[Questions about sites/data?](#)  
[Feedback on this web site](#)  
[Automated retrievals](#)  
[Help](#)  
[Data Tips](#)  
[Explanation of terms](#)  
[Subscribe for system changes](#)  
[News](#)

[Accessibility](#)   [FOIA](#)   [Privacy](#)   [Policies and Notices](#)  
[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)  
**Title: Groundwater for New Mexico: Water Levels**  
**URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**




Page Contact Information: [New Mexico Water Data Maintainer](#)  
Page Last Modified: 2022-11-02 10:43:34 EDT  
0.27   0.24 nadww02



# New Mexico Office of the State Engineer

## Point of Diversion Summary

|                              |                   | (quarters are 1=NW 2=NE 3=SW 4=SE) |     |                            |     |                  |     | (NAD83 UTM in meters) |  |
|------------------------------|-------------------|------------------------------------|-----|----------------------------|-----|------------------|-----|-----------------------|--|
| Well Tag                     | POD Number        | Q64                                | Q16 | Q4                         | Sec | Tw               | Rng | X                     | Y  |
|                              | C 02373 CLW317846 | 2                                  | 1   | 1                          | 13  | 25S              | 33E | 638518                | 3556544*  |
| <hr/>                        |                   |                                    |     |                            |     |                  |     |                       |  |
| Driller License: 421         |                   | Driller Company:                   |     | GLENN'S WATER WELL SERVICE |     |                  |     |                       |  |
| Driller Name:                |                   |                                    |     |                            |     |                  |     |                       |  |
| Drill Start Date: 09/08/1993 |                   | Drill Finish Date:                 |     | 09/08/1993                 |     | Plug Date:       |     |                       |  |
| Log File Date:               |                   | PCW Rcv Date:                      |     | 02/09/1996                 |     | Source:          |     | Shallow               |  |
| Pump Type: SUBMER            |                   | Pipe Discharge Size:               |     | 2                          |     | Estimated Yield: |     | 60 GPM                |  |
| Casing Size: 6.63            |                   | Depth Well:                        |     | 625 feet                   |     | Depth Water:     |     | 185 feet              |  |

\*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.

11/2/22 8:34 AM

POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer

## Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

|                 |                   |            |            |           |            |            |            |          |          |
|-----------------|-------------------|------------|------------|-----------|------------|------------|------------|----------|----------|
| <b>Well Tag</b> | <b>POD Number</b> | <b>Q64</b> | <b>Q16</b> | <b>Q4</b> | <b>Sec</b> | <b>Tws</b> | <b>Rng</b> | <b>X</b> | <b>Y</b> |
| C               | 02373 S           | 1          | 2          | 1         | 13         | 25S        | 33E        | 638721   | 3556549* |

**Driller License:** 421**Driller Company:** GLENN'S WATER WELL SERVICE**Driller Name:****Drill Start Date:** 09/08/1993**Drill Finish Date:** 09/08/1993**Plug Date:****Log File Date:****PCW Rev Date:** 02/09/1996**Source:** Shallow**Pump Type:** SUBMER**Pipe Discharge Size:** 2**Estimated Yield:** 60 GPM**Casing Size:** 6.63**Depth Well:** 625 feet**Depth Water:** 185 feet**Meter Number:** 581**Meter Make:** WATERSPECIAL**Meter Serial Number:** 9549683**Meter Multiplier:** 100.0000**Number of Dials:** 6**Meter Type:** Diversion**Unit of Measure:** Gallons**Return Flow Percent:****Usage Multiplier:****Reading Frequency:**

### Meter Readings (in Acre-Feet)

| Read Date  | Year | Mtr Reading | Flag | Rdr | Comment | Mtr Amount Online |
|------------|------|-------------|------|-----|---------|-------------------|
| 03/31/1999 | 1999 | 2206        | A    | ms  |         | 0                 |
| 06/30/1999 | 1999 | 2350        | A    | ms  |         | 0.186             |
| 09/30/1999 | 1999 | 4567        | A    | ms  |         | 2.858             |
| 01/06/2000 | 1999 | 6110        | A    | ms  |         | 1.989             |
| 05/01/2000 | 2000 | 9350        | A    | mb  |         | 0                 |
| 06/30/2000 | 2000 | 10252       | A    | mb  |         | 0.277             |
| 10/13/2000 | 2000 | 16915       | A    | RPT |         | 2.045             |
| 01/17/2001 | 2000 | 33917       | A    | RPT |         | 5.218             |
| 05/17/2001 | 2001 | 39208       | A    | RPT |         | 1.624             |
| 06/30/2001 | 2001 | 39212       | A    | RPT |         | 0.001             |
| 09/30/2001 | 2001 | 48868       | A    | RPT |         | 2.963             |
| 01/03/2002 | 2002 | 56680       | A    | RPT |         | 2.397             |
| 06/30/2002 | 2002 | 70870       | A    | RPT |         | 4.355             |
| 12/31/2002 | 2002 | 112683      | A    | RPT |         | 12.832            |
| 03/31/2003 | 2003 | 134871      | A    | RPT |         | 6.809             |
| 06/30/2003 | 2003 | 135029      | A    | RPT |         | 0.048             |
| 09/30/2003 | 2003 | 139662      | A    | ab  |         | 1.422             |
| 12/31/2003 | 2003 | 145345      | A    | ab  |         | 1.744             |
| 04/05/2004 | 2004 | 162284      | A    | RPT |         | 5.198             |
| 10/07/2004 | 2004 | 172774      | A    | tw  |         | 3.219             |
| 01/01/2005 | 2004 | 180237      | A    | RPT |         | 2.290             |
| 04/01/2005 | 2005 | 183300      | A    | RPT |         | 0.940             |
| 07/01/2005 | 2005 | 183613      | A    | RPT |         | 0.096             |
| 10/10/2005 | 2005 | 185173      | A    | RPT |         | 0.479             |
| 01/01/2006 | 2005 | 185386      | A    | RPT |         | 0.065             |

|            |      |        |   |                    |         |
|------------|------|--------|---|--------------------|---------|
| 03/31/2006 | 2006 | 186880 | A | RPT                | 0.458   |
| 06/30/2006 | 2006 | 196667 | A | tw                 | 3.004   |
| 12/31/2006 | 2006 | 205842 | A | tw                 | 2.816   |
| 04/03/2007 | 2007 | 211071 | A | RPT                | 1.605   |
| 07/01/2007 | 2007 | 211071 | A | RPT                | 0       |
| 10/01/2007 | 2007 | 211071 | A | RPT                | 0       |
| 12/03/2007 | 2007 | 211071 | A | RPT                | 0       |
| 03/30/2008 | 2008 | 211071 | A | RPT                | 0       |
| 06/30/2008 | 2008 | 211071 | A | RPT                | 0       |
| 09/30/2008 | 2008 | 211071 | A | RPT                | 0       |
| 12/30/2008 | 2008 | 211071 | A | RPT                | 0       |
| 03/31/2010 | 2010 | 109594 | R | RPT Meter Rollover | 275.747 |
| 06/30/2010 | 2010 | 156195 | A | tw                 | 14.301  |
| 09/30/2010 | 2010 | 199335 | A | RPT                | 13.239  |
| 12/31/2010 | 2010 | 231813 | A | RPT                | 9.967   |
| 04/01/2011 | 2011 | 263630 | A | RPT                | 9.764   |

| **YTD Meter Amounts: |  |  | Year | Amount  |
|----------------------|--|--|------|---------|
|                      |  |  | 1999 | 5.033   |
|                      |  |  | 2000 | 7.540   |
|                      |  |  | 2001 | 4.588   |
|                      |  |  | 2002 | 19.584  |
|                      |  |  | 2003 | 10.023  |
|                      |  |  | 2004 | 10.707  |
|                      |  |  | 2005 | 1.580   |
|                      |  |  | 2006 | 6.278   |
|                      |  |  | 2007 | 1.605   |
|                      |  |  | 2008 | 0       |
|                      |  |  | 2010 | 313.254 |
|                      |  |  | 2011 | 9.764   |

\*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.

11/2/22 8:40 AM

POINT OF DIVERSION SUMMARY



USGS Home  
Contact USGS  
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:  
Groundwater

Geographic Area:  
New Mexico

GO

Click to hideNews Bulletins

- Effective October 24, 2022 hyperlinks to legacy Current Condition pages will automatically redirect users to the corresponding Monitoring Location page. Please see the [Water Data For The Nation Blog](#) for full details, including how to navigate back to the legacy Current Condition page, if desired.
- Explore the NEW [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 320956103353801

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

USGS 320956103353801 25S.33E.05.12122

Lea County, New Mexico  
Latitude 32°09'59.4", Longitude 103°35'47.2" NAD83  
Land-surface elevation 3,473.00 feet above NGVD29  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

|                                    |
|------------------------------------|
| <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>measu |
|------------|-----------|---|------------------------|---|---|---------------------------------|-------------|-------------------------------|--------------------------|----------------------|
|            |           |   |                        |   |   |                                 |             |                               |                          |                      |
| 1981-03-25 |           |   | D 62610                |   | 3365.17   | NGVD29                          | 1           |                               | Z                        |                      |
| 1981-03-25 |           |   | D 62611                |   | 3366.84   | NAVD88                          | 1           |                               | Z                        |                      |
| 1981-03-25 |           |   | D 72019                | 107.83  |   |                                 | 1           |                               | Z                        |                      |
| 1986-03-12 |           |   | D 62610                |   | 3363.66   | NGVD29                          | 1           |                               | Z                        |                      |
| 1986-03-12 |           |   | D 62611                |   | 3365.33   | NAVD88                          | 1           |                               | Z                        |                      |
| 1986-03-12 |           |   | D 72019                | 109.34  |   |                                 | 1           |                               | Z                        |                      |
| 1991-06-06 |           |   | D 62610                |   | 3365.42   | NGVD29                          | 1           |                               | Z                        |                      |
| 1991-06-06 |           |   | D 62611                |   | 3367.09   | NAVD88                          | 1           |                               | Z                        |                      |
| 1991-06-06 |           |   | D 72019                | 107.58  |   |                                 | 1           |                               | Z                        |                      |
| 1996-03-07 |           |   | D 62610                |   | 3364.11   | NGVD29                          | P           |                               | S                        |                      |
| 1996-03-07 |           |   | D 62611                |   | 3365.78   | NAVD88                          | P           |                               | S                        |                      |
| 1996-03-07 |           |   | D 72019                | 108.89  |   |                                 | P           |                               | S                        |                      |
| 2013-01-17 | 16:00 UTC |   | m 62610                |   | 3354.19   | NGVD29                          | P           |                               | S                        | USGS                 |



| 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>measu |
|------------|-----------|---|------------------------|---|---|---------------------------------|-------------|-------------------------------|--------------------------|----------------------|
| 2013-01-17 | 16:00 UTC | m   | 62611                  |   | 3355.86   | NAVD88                          | P           | S                             | USGS                     |                      |
| 2013-01-17 | 16:00 UTC | m   | 72019                  | 118.81  |   |                                 | P           | S                             | 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          | Z      | Other.   |
| Measuring agency               |        | Not determined   |
| Measuring agency               | USGS   | U.S. Geological Survey                                       |
| Source of measurement          |        | Not determined   |
| Source of measurement          | S      | Measured by personnel of reporting agency.                   |
| Water-level approval status    | A      | Approved for publication -- Processing and review completed. |

[Questions about sites/data?](#)

[Feedback on this web site](#)

[Automated retrievals](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)

[News](#)

[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

**Title: Groundwater for New Mexico: Water Levels**

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

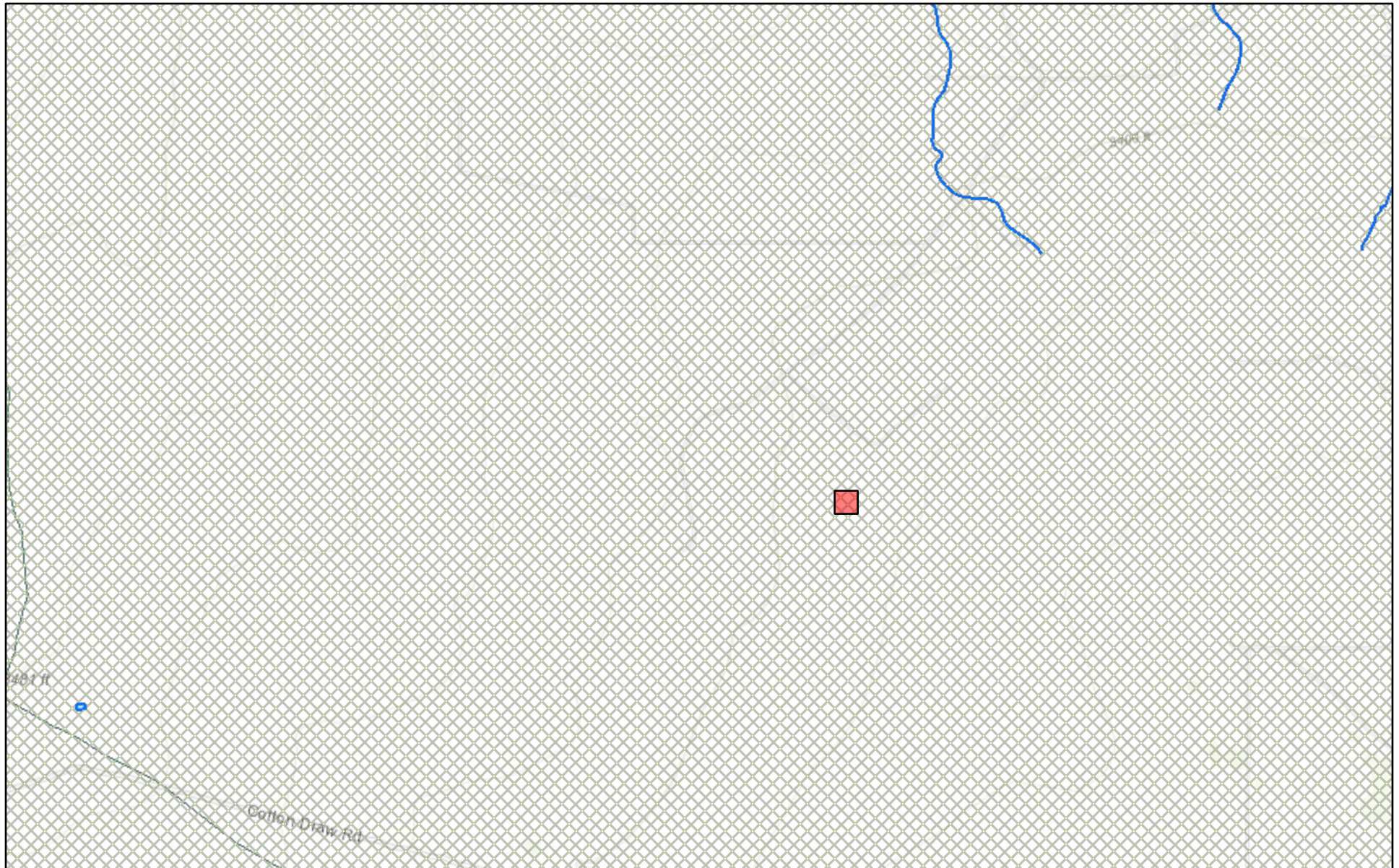


Page Contact Information: [New Mexico Water Data Maintainer](#)

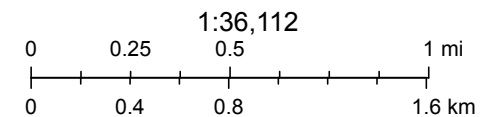
Page Last Modified: 2022-11-02 10:45:59 EDT

0.28 0.24 nadww01

# New Mexico NFHL Data



November 2, 2022



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

[nmflood.org](http://nmflood.org) is made possible through a collaboration with NMDHSEM,

This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

## APPENDIX E

CARMONA RESOURCES





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

---

November 07, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: GREEN DRAKE 402

Enclosed are the results of analyses for samples received by the laboratory on 11/03/22 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

|                   |                      |                     |                |
|-------------------|----------------------|---------------------|----------------|
| Received:         | 11/03/2022           | Sampling Date:      | 11/03/2022     |
| Reported:         | 11/07/2022           | Sampling Type:      | Soil           |
| Project Name:     | GREEN DRAKE 402      | Sampling Condition: | Cool & Intact  |
| Project Number:   | 1170                 | Sample Received By: | Tamara Oldaker |
| Project Location: | EOG - LEA COUNTY, NM |                     |                |

**Sample ID: T - 1 (0-1') (H225211-01)**

| 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           | 11/04/2022 | ND              | 1.95 | 97.5       | 2.00          | 6.40 |           |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND              | 2.09 | 104        | 2.00          | 6.46 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND              | 2.05 | 102        | 2.00          | 7.99 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND              | 6.23 | 104        | 6.00          | 9.12 |           |
| Total BTX      | <0.300 | 0.300           | 11/04/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 85.6 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 34400  | 16.0            | 11/07/2022 | 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            | 11/06/2022 | ND              | 182 | 90.9       | 200           | 7.20 |           |
| DRO >C10-C28*    | 133    | 10.0            | 11/06/2022 | ND              | 170 | 84.8       | 200           | 6.98 |           |
| EXT DRO >C28-C36 | 45.2   | 10.0            | 11/06/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 89.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 126 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 1 (1.5') (H225211-02)**

| 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           | 11/04/2022 | ND              | 1.95 | 97.5       | 2.00          | 6.40 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND              | 2.09 | 104        | 2.00          | 6.46 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND              | 2.05 | 102        | 2.00          | 7.99 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND              | 6.23 | 104        | 6.00          | 9.12 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/04/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 85.8 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 3360   | 16.0            | 11/07/2022 | 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            | 11/06/2022 | ND              | 182 | 90.9       | 200           | 7.20 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2022 | ND              | 170 | 84.8       | 200           | 6.98 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 79.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.4 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 1 (2') (H225211-03)**

| 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           | 11/04/2022 | ND              | 1.95 | 97.5       | 2.00          | 6.40 |           |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND              | 2.09 | 104        | 2.00          | 6.46 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND              | 2.05 | 102        | 2.00          | 7.99 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND              | 6.23 | 104        | 6.00          | 9.12 |           |
| Total BTX      | <0.300 | 0.300           | 11/04/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 86.6 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 3600   | 16.0            | 11/07/2022 | 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            | 11/06/2022 | ND              | 182 | 90.9       | 200           | 7.20 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2022 | ND              | 170 | 84.8       | 200           | 6.98 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 86.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.9 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 1 (3') (H225211-04)**

| 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           | 11/04/2022 | ND              | 1.95 | 97.5       | 2.00          | 6.40 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND              | 2.09 | 104        | 2.00          | 6.46 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND              | 2.05 | 102        | 2.00          | 7.99 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND              | 6.23 | 104        | 6.00          | 9.12 |           |  |
| Total BTX      | <0.300 | 0.300           | 11/04/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 87.7 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 3840   | 16.0            | 11/07/2022 | 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            | 11/06/2022 | ND              | 182 | 90.9       | 200           | 7.20 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2022 | ND              | 170 | 84.8       | 200           | 6.98 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 89.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.8 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 1 (4') (H225211-05)**

| 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           | 11/04/2022 | ND              | 1.95 | 97.5       | 2.00          | 6.40 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND              | 2.09 | 104        | 2.00          | 6.46 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND              | 2.05 | 102        | 2.00          | 7.99 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND              | 6.23 | 104        | 6.00          | 9.12 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/04/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 85.3 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 4160   | 16.0            | 11/07/2022 | 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            | 11/06/2022 | ND              | 182 | 90.9       | 200           | 7.20 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2022 | ND              | 170 | 84.8       | 200           | 6.98 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 89.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 100 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 1 (5') (H225211-06)**

| 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           | 11/04/2022 | ND              | 1.95 | 97.5       | 2.00          | 6.40 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND              | 2.09 | 104        | 2.00          | 6.46 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND              | 2.05 | 102        | 2.00          | 7.99 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND              | 6.23 | 104        | 6.00          | 9.12 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/04/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 86.6 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 5600   | 16.0            | 11/07/2022 | 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            | 11/06/2022 | ND              | 182 | 90.9       | 200           | 7.20 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2022 | ND              | 170 | 84.8       | 200           | 6.98 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 87.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.2 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 1 (6') (H225211-07)**

| 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           | 11/04/2022 | ND              | 1.95 | 97.5       | 2.00          | 6.40 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND              | 2.09 | 104        | 2.00          | 6.46 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND              | 2.05 | 102        | 2.00          | 7.99 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND              | 6.23 | 104        | 6.00          | 9.12 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/04/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 87.7 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 1760   | 16.0            | 11/07/2022 | 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            | 11/06/2022 | ND              | 182 | 90.9       | 200           | 7.20 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2022 | ND              | 170 | 84.8       | 200           | 6.98 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 84.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.8 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 1 (7') (H225211-08)**

| 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           | 11/04/2022 | ND              | 1.95 | 97.5       | 2.00          | 6.40 |           |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND              | 2.09 | 104        | 2.00          | 6.46 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND              | 2.05 | 102        | 2.00          | 7.99 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND              | 6.23 | 104        | 6.00          | 9.12 |           |
| Total BTEX     | <0.300 | 0.300           | 11/04/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 85.5 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 144    | 16.0            | 11/07/2022 | 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            | 11/06/2022 | ND              | 182 | 90.9       | 200           | 7.20 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2022 | ND              | 170 | 84.8       | 200           | 6.98 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 76.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.5 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 2 (0-1') (H225211-09)**

| 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           | 11/04/2022 | ND              | 1.95 | 97.5       | 2.00          | 6.40 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND              | 2.09 | 104        | 2.00          | 6.46 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND              | 2.05 | 102        | 2.00          | 7.99 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND              | 6.23 | 104        | 6.00          | 9.12 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/04/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 87.1 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 52800  | 16.0            | 11/07/2022 | ND              | 416 | 104        | 400           | 0.00 | QM-07     |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2022 | ND              | 182 | 90.9       | 200           | 7.20 |           |
| DRO >C10-C28*    | 50.6   | 10.0            | 11/06/2022 | ND              | 170 | 84.8       | 200           | 6.98 |           |
| EXT DRO >C28-C36 | 12.8   | 10.0            | 11/06/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 80.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.4 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 2 (1.5') (H225211-10)**

| 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           | 11/04/2022 | ND              | 1.95 | 97.5       | 2.00          | 6.40 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND              | 2.09 | 104        | 2.00          | 6.46 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND              | 2.05 | 102        | 2.00          | 7.99 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND              | 6.23 | 104        | 6.00          | 9.12 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/04/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 87.6 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 2270   | 16.0            | 11/07/2022 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2022 | ND              | 182 | 90.9       | 200           | 7.20 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2022 | ND              | 170 | 84.8       | 200           | 6.98 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 80.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.7 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 2 (2') (H225211-11)**

| 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           | 11/04/2022 | ND              | 1.95 | 97.5       | 2.00          | 6.40 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND              | 2.09 | 104        | 2.00          | 6.46 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND              | 2.05 | 102        | 2.00          | 7.99 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND              | 6.23 | 104        | 6.00          | 9.12 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/04/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 84.2 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 2720   | 16.0            | 11/07/2022 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2022 | ND              | 182 | 90.9       | 200           | 7.20 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2022 | ND              | 170 | 84.8       | 200           | 6.98 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 83.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.5 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 2 (3') (H225211-12)**

| 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           | 11/04/2022 | ND              | 1.95 | 97.5       | 2.00          | 6.40 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND              | 2.09 | 104        | 2.00          | 6.46 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND              | 2.05 | 102        | 2.00          | 7.99 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND              | 6.23 | 104        | 6.00          | 9.12 |           |  |
| Total BTX      | <0.300 | 0.300           | 11/04/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 84.9 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 4720   | 16.0            | 11/07/2022 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2022 | ND              | 182 | 90.9       | 200           | 7.20 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2022 | ND              | 170 | 84.8       | 200           | 6.98 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 83.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.8 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 2 (4') (H225211-13)**

| 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           | 11/04/2022 | ND              | 1.95 | 97.5       | 2.00          | 6.40 |           |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND              | 2.09 | 104        | 2.00          | 6.46 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND              | 2.05 | 102        | 2.00          | 7.99 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND              | 6.23 | 104        | 6.00          | 9.12 |           |
| Total BTX      | <0.300 | 0.300           | 11/04/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 88.2 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 6160   | 16.0            | 11/07/2022 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2022 | ND              | 182 | 90.9       | 200           | 7.20 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2022 | ND              | 170 | 84.8       | 200           | 6.98 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 88.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 2 (5') (H225211-14)**

| 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           | 11/04/2022 | ND              | 1.95 | 97.5       | 2.00          | 6.40 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND              | 2.09 | 104        | 2.00          | 6.46 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND              | 2.05 | 102        | 2.00          | 7.99 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND              | 6.23 | 104        | 6.00          | 9.12 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/04/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 87.1 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 3560   | 16.0            | 11/07/2022 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2022 | ND              | 182 | 90.9       | 200           | 7.20 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2022 | ND              | 170 | 84.8       | 200           | 6.98 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 90.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.8 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 2 (6') (H225211-15)**

| 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           | 11/04/2022 | ND              | 1.95 | 97.5       | 2.00          | 6.40 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND              | 2.09 | 104        | 2.00          | 6.46 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND              | 2.05 | 102        | 2.00          | 7.99 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND              | 6.23 | 104        | 6.00          | 9.12 |           |  |
| Total BTX      | <0.300 | 0.300           | 11/04/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 85.6 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 2440   | 16.0            | 11/07/2022 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2022 | ND              | 182 | 90.9       | 200           | 7.20 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2022 | ND              | 170 | 84.8       | 200           | 6.98 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 82.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.3 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 2 (7') (H225211-16)**

| 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           | 11/04/2022 | ND              | 1.95 | 97.5       | 2.00          | 6.40 |           |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND              | 2.09 | 104        | 2.00          | 6.46 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND              | 2.05 | 102        | 2.00          | 7.99 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND              | 6.23 | 104        | 6.00          | 9.12 |           |
| Total BTEX     | <0.300 | 0.300           | 11/04/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 85.6 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1950   | 16.0            | 11/07/2022 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2022 | ND              | 182 | 90.9       | 200           | 7.20 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2022 | ND              | 170 | 84.8       | 200           | 6.98 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 85.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.1 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 2 (8') (H225211-17)**

| 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           | 11/04/2022 | ND              | 1.95 | 97.5       | 2.00          | 6.40 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND              | 2.09 | 104        | 2.00          | 6.46 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND              | 2.05 | 102        | 2.00          | 7.99 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND              | 6.23 | 104        | 6.00          | 9.12 |           |  |
| Total BTX      | <0.300 | 0.300           | 11/04/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 85.3 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 336    | 16.0            | 11/07/2022 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2022 | ND              | 182 | 90.9       | 200           | 7.20 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2022 | ND              | 170 | 84.8       | 200           | 6.98 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 74.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.8 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 3 (0-1') (H225211-18)**

| 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           | 11/04/2022 | ND              | 1.95 | 97.5       | 2.00          | 6.40 |           |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND              | 2.09 | 104        | 2.00          | 6.46 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND              | 2.05 | 102        | 2.00          | 7.99 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND              | 6.23 | 104        | 6.00          | 9.12 |           |
| Total BTX      | <0.300 | 0.300           | 11/04/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 84.3 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 24800  | 16.0            | 11/07/2022 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               | S-04 |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2022 | ND              | 182 | 90.9       | 200           | 7.20 |           |
| DRO >C10-C28*    | 560    | 10.0            | 11/06/2022 | ND              | 170 | 84.8       | 200           | 6.98 |           |
| EXT DRO >C28-C36 | 346    | 10.0            | 11/06/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 84.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 184 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 3 (1.5') (H225211-19)**

| 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           | 11/04/2022 | ND              | 1.95 | 97.5       | 2.00          | 6.40 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND              | 2.09 | 104        | 2.00          | 6.46 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND              | 2.05 | 102        | 2.00          | 7.99 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND              | 6.23 | 104        | 6.00          | 9.12 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/04/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 86.7 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1220   | 16.0            | 11/07/2022 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2022 | ND              | 182 | 90.9       | 200           | 7.20 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2022 | ND              | 170 | 84.8       | 200           | 6.98 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 80.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.1 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 3 (2') (H225211-20)**

| 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           | 11/04/2022 | ND              | 1.95 | 97.5       | 2.00          | 6.40 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND              | 2.09 | 104        | 2.00          | 6.46 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND              | 2.05 | 102        | 2.00          | 7.99 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND              | 6.23 | 104        | 6.00          | 9.12 |           |  |
| Total BTX      | <0.300 | 0.300           | 11/04/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 84.7 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 144    | 16.0            | 11/07/2022 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2022 | ND              | 182 | 90.9       | 200           | 7.20 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2022 | ND              | 170 | 84.8       | 200           | 6.98 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 81.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.2 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 3 (3') (H225211-21)**

| 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           | 11/04/2022 | ND               | 1.73 | 86.5       | 2.00          | 5.17 |           |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND               | 1.77 | 88.7       | 2.00          | 7.63 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND               | 1.78 | 89.1       | 2.00          | 7.29 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND               | 5.46 | 91.0       | 6.00          | 6.60 |           |
| Total BTX      | <0.300 | 0.300           | 11/04/2022 | ND               |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 48.0   | 16.0            | 11/07/2022 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/04/2022 | ND              | 183 | 91.3       | 200           | 4.18 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/04/2022 | ND              | 179 | 89.7       | 200           | 1.24 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/04/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 84.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.8 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 3 (4') (H225211-22)**

| 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           | 11/04/2022 | ND               | 1.73 | 86.5       | 2.00          | 5.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND               | 1.77 | 88.7       | 2.00          | 7.63 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND               | 1.78 | 89.1       | 2.00          | 7.29 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND               | 5.46 | 91.0       | 6.00          | 6.60 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/04/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 11/07/2022 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/04/2022 | ND              | 183 | 91.3       | 200           | 4.18 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/04/2022 | ND              | 179 | 89.7       | 200           | 1.24 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/04/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 85.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.5 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

|                   |                      |                     |                |
|-------------------|----------------------|---------------------|----------------|
| Received:         | 11/03/2022           | Sampling Date:      | 11/03/2022     |
| Reported:         | 11/07/2022           | Sampling Type:      | Soil           |
| Project Name:     | GREEN DRAKE 402      | Sampling Condition: | Cool & Intact  |
| Project Number:   | 1170                 | Sample Received By: | Tamara Oldaker |
| Project Location: | EOG - LEA COUNTY, NM |                     |                |

**Sample ID: T - 4 (0-1') (H225211-23)**

| 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           | 11/04/2022 | ND               | 1.73 | 86.5       | 2.00          | 5.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND               | 1.77 | 88.7       | 2.00          | 7.63 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND               | 1.78 | 89.1       | 2.00          | 7.29 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND               | 5.46 | 91.0       | 6.00          | 6.60 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/04/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 9120   | 16.0            | 11/07/2022 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/04/2022 | ND              | 183 | 91.3       | 200           | 4.18 |           |
| DRO >C10-C28*    | 342    | 10.0            | 11/04/2022 | ND              | 179 | 89.7       | 200           | 1.24 |           |
| EXT DRO >C28-C36 | 213    | 10.0            | 11/04/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 71.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 121 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

|                   |                      |                     |                |
|-------------------|----------------------|---------------------|----------------|
| Received:         | 11/03/2022           | Sampling Date:      | 11/03/2022     |
| Reported:         | 11/07/2022           | Sampling Type:      | Soil           |
| Project Name:     | GREEN DRAKE 402      | Sampling Condition: | Cool & Intact  |
| Project Number:   | 1170                 | Sample Received By: | Tamara Oldaker |
| Project Location: | EOG - LEA COUNTY, NM |                     |                |

**Sample ID: T - 4 (1.5') (H225211-24)**

| 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           | 11/04/2022 | ND               | 1.73 | 86.5       | 2.00          | 5.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND               | 1.77 | 88.7       | 2.00          | 7.63 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND               | 1.78 | 89.1       | 2.00          | 7.29 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND               | 5.46 | 91.0       | 6.00          | 6.60 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/04/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 1980   | 16.0            | 11/07/2022 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/04/2022 | ND              | 183 | 91.3       | 200           | 4.18 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/04/2022 | ND              | 179 | 89.7       | 200           | 1.24 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/04/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 90.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 4 (2') (H225211-25)**

| 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           | 11/04/2022 | ND               | 1.73 | 86.5       | 2.00          | 5.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND               | 1.77 | 88.7       | 2.00          | 7.63 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND               | 1.78 | 89.1       | 2.00          | 7.29 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND               | 5.46 | 91.0       | 6.00          | 6.60 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/04/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 3040   | 16.0            | 11/07/2022 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/04/2022 | ND              | 183 | 91.3       | 200           | 4.18 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/04/2022 | ND              | 179 | 89.7       | 200           | 1.24 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/04/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 83.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.9 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 4 (3') (H225211-26)**

| 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           | 11/04/2022 | ND               | 1.73 | 86.5       | 2.00          | 5.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND               | 1.77 | 88.7       | 2.00          | 7.63 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND               | 1.78 | 89.1       | 2.00          | 7.29 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND               | 5.46 | 91.0       | 6.00          | 6.60 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/04/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 4840   | 16.0            | 11/07/2022 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/04/2022 | ND              | 183 | 91.3       | 200           | 4.18 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/04/2022 | ND              | 179 | 89.7       | 200           | 1.24 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/04/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 87.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.6 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 4 (4') (H225211-27)**

| 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           | 11/04/2022 | ND               | 1.73 | 86.5       | 2.00          | 5.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND               | 1.77 | 88.7       | 2.00          | 7.63 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND               | 1.78 | 89.1       | 2.00          | 7.29 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND               | 5.46 | 91.0       | 6.00          | 6.60 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/04/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 1200   | 16.0            | 11/07/2022 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/04/2022 | ND              | 183 | 91.3       | 200           | 4.18 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/04/2022 | ND              | 179 | 89.7       | 200           | 1.24 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/04/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 82.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.2 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 4 (5') (H225211-28)**

| 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           | 11/04/2022 | ND               | 1.73 | 86.5       | 2.00          | 5.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND               | 1.77 | 88.7       | 2.00          | 7.63 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND               | 1.78 | 89.1       | 2.00          | 7.29 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND               | 5.46 | 91.0       | 6.00          | 6.60 |           |  |
| Total BTX      | <0.300 | 0.300           | 11/04/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 480    | 16.0            | 11/07/2022 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/04/2022 | ND              | 183 | 91.3       | 200           | 4.18 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/04/2022 | ND              | 179 | 89.7       | 200           | 1.24 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/04/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 88.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.2 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 4 (6') (H225211-29)**

| 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           | 11/04/2022 | ND               | 1.73 | 86.5       | 2.00          | 5.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND               | 1.77 | 88.7       | 2.00          | 7.63 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND               | 1.78 | 89.1       | 2.00          | 7.29 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND               | 5.46 | 91.0       | 6.00          | 6.60 |           |  |
| Total BTX      | <0.300 | 0.300           | 11/04/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 64.0   | 16.0            | 11/07/2022 | 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            | 11/04/2022 | ND              | 183 | 91.3       | 200           | 4.18 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/04/2022 | ND              | 179 | 89.7       | 200           | 1.24 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/04/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 84.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.3 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 1 (0-0.5') (H225211-30)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/04/2022 | ND               | 1.73 | 86.5       | 2.00          | 5.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND               | 1.77 | 88.7       | 2.00          | 7.63 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND               | 1.78 | 89.1       | 2.00          | 7.29 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND               | 5.46 | 91.0       | 6.00          | 6.60 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/04/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 11/07/2022 | 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            | 11/04/2022 | ND              | 183 | 91.3       | 200           | 4.18 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/04/2022 | ND              | 179 | 89.7       | 200           | 1.24 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/04/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 91.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.8 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 2 (0-0.5') (H225211-31)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/04/2022 | ND               | 1.73 | 86.5       | 2.00          | 5.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND               | 1.77 | 88.7       | 2.00          | 7.63 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND               | 1.78 | 89.1       | 2.00          | 7.29 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND               | 5.46 | 91.0       | 6.00          | 6.60 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/04/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 16.0   | 16.0            | 11/07/2022 | 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            | 11/04/2022 | ND              | 183 | 91.3       | 200           | 4.18 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/04/2022 | ND              | 179 | 89.7       | 200           | 1.24 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/04/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 92.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 3 (0-0.5') (H225211-32)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/04/2022 | ND               | 1.73 | 86.5       | 2.00          | 5.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND               | 1.77 | 88.7       | 2.00          | 7.63 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND               | 1.78 | 89.1       | 2.00          | 7.29 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND               | 5.46 | 91.0       | 6.00          | 6.60 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/04/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 16.0   | 16.0            | 11/07/2022 | 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            | 11/05/2022 | ND              | 183 | 91.3       | 200           | 4.18 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/05/2022 | ND              | 179 | 89.7       | 200           | 1.24 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/05/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 93.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 11/03/2022  
 Reported: 11/07/2022  
 Project Name: GREEN DRAKE 402  
 Project Number: 1170  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 11/03/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 4 (0-0.5') (H225211-33)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 11/04/2022 | ND               | 1.73 | 86.5       | 2.00          | 5.17 |           |
| Toluene*       | <0.050 | 0.050           | 11/04/2022 | ND               | 1.77 | 88.7       | 2.00          | 7.63 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/04/2022 | ND               | 1.78 | 89.1       | 2.00          | 7.29 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/04/2022 | ND               | 5.46 | 91.0       | 6.00          | 6.60 |           |
| Total BTEX     | <0.300 | 0.300           | 11/04/2022 | ND               |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 16.0   | 16.0            | 11/07/2022 | 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            | 11/05/2022 | ND              | 183 | 91.3       | 200           | 4.18 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/05/2022 | ND              | 179 | 89.7       | 200           | 1.24 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/05/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 88.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.5 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

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

---

### Notes and Definitions

|       |  |
|-------|--|
| S-04  | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.   |
| 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 |

---

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No:

HA25211

Page 1 of 4

|                  |                       |                         |                             |
|------------------|-----------------------|-------------------------|-----------------------------|
| Project Manager: | Conner Moehring       | Bill to: (if different) | Todd Wells                  |
| Company Name:    | Carmona Resources     | Company Name:           | EOG Resources               |
| Address:         | 310 W Wall St Ste 415 | Address:                | 5509 Champions Dr           |
| City, State ZIP: | Midland, TX 79701     | City, State ZIP:        | Midland, TX 79706           |
| Phone:           | 432-813-6823          | Email:                  | Todd Wells@eogresources.com |

|   |  |
|---|--|
| 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:         | Green Drake 402   | Turn Around   | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code  | ANALYSIS REQUEST |  |  |  |  |  |  |  |  |  |  |  | Preservative Codes  |  |
| Project Number:       | 1170  |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |  | None: NO <input type="checkbox"/> DI Water: H <sub>2</sub> O                      |  |
| Project Location:     | Lea County, NM  | Due Date:   | 72 Hrs  |   |                  |  |  |  |  |  |  |  |  |  |  |  | Cool: Cool <input type="checkbox"/> MeOH: Me                                      |  |
| Sampler's Name:       | CRM   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |  | HCL: HC <input type="checkbox"/> HNO <sub>3</sub> : HN                            |  |
| PO #:                 |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> <input type="checkbox"/> 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:   |   |   |                  |  |  |  |  |  |  |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS  |  |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | 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"/> | Temperature Reading:  |   |   |                  |  |  |  |  |  |  |  |  |  |  |  | Zn Acetate+NaOH: Zn   |  |
| Total Containers:     |   | Corrected Temperature:  |   |   |                  |  |  |  |  |  |  |  |  |  |  |  | NaOH+Ascorbic Acid: SAPC  |  |

| Sample Identification | Date      | Time | Soil | Water | Grab/Comp | # of Cont |   |   |   |  |  |  |  |  |  |  |  |  | Sample Comments |  |
|-----------------------|-----------|------|------|-------|-----------|-----------|---|---|---|--|--|--|--|--|--|--|--|--|-----------------|--|
| T-1 (0-1')            | 11/3/2022 |      | X    |       | Grab/     | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |  |
| T-1 (1.5')            | 11/3/2022 |      | X    |       | Grab/     | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |  |
| T-1 (2')              | 11/3/2022 |      | X    |       | Grab/     | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |  |
| T-1 (3')              | 11/3/2022 |      | X    |       | Grab/     | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |  |
| T-1 (4')              | 11/3/2022 |      | X    |       | Grab/     | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |  |
| T-1 (5')              | 11/3/2022 |      | X    |       | Grab/     | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |  |
| T-1 (6')              | 11/3/2022 |      | X    |       | Grab/     | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |  |
| T-1 (7')              | 11/3/2022 |      | X    |       | Grab/     | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |  |
| T-2 (0-1')            | 11/3/2022 |      | X    |       | Grab/     | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |  |
| T-2 (1.5')            | 11/3/2022 |      | X    |       | Grab/     | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |  |

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

|                              |              |                          |           |
|------------------------------|--------------|--------------------------|-----------|
| Relinquished by: (Signature) | Date/Time    | Received by: (Signature) | Date/Time |
| <i>Conner Moehring</i>       | 11-3-22 1445 | <i>Monica delacruz</i>   |           |



**Work Order No.:**

4225211

Page 37 of 39

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

Comments: Email to Mike Carmona / [Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com) and Conner Moehring / [Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com)

Date/Time

Relinquished by: (Sig)

| Date/Time    |  |
|--------------|--|
| 11-3-22 1645 |  |

Received by (Signature)

Chain of Custody

Work Order No:

42252

Page 3 of 4

|                  |                       |                         |                             |
|------------------|-----------------------|-------------------------|-----------------------------|
| Project Manager: | Conner Moehring       | Bill to: (if different) | Todd Wells                  |
| Company Name:    | Carmona Resources     | Company Name:           | EOG Resources               |
| Address:         | 310 W Wall St Ste 415 | Address:                | 5509 Champions Dr           |
| City, State ZIP: | Midland, TX 79701     | City, State ZIP:        | Midland, TX 79706           |
| Phone:           | 432-813-6823          | Email:                  | Todd Wells@eogresources.com |

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

|                   |                       |   |   |   |                  |  |  |  |  |  |  |  |  |  |   |
|-------------------|-----------------------|---|---|---|------------------|--|--|--|--|--|--|--|--|--|---|
| Project Name:     | Green Drake 402       | Turn Around   | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rust | Pres. Code  | ANALYSIS REQUEST |  |  |  |  |  |  |  |  |  | Preservative Codes  |
| Project Number:   | 1170                  |   |   |   |                  |  |  |  |  |  |  |  |  |  | None: NO  |
| Project Location: | Lea County, NM        | Due Date:   | 72 Hrs  |   |                  |  |  |  |  |  |  |  |  |  | DI Water: H <sub>2</sub> O  |
| Sampler's Name:   | CRM                   |   |   |   |                  |  |  |  |  |  |  |  |  |  | Cool: Cool  |
| PO #:             |                       |   |   |   |                  |  |  |  |  |  |  |  |  |  | HCL: HC   |
| 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>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   |
|                   | Received Intact:      | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Thermometer ID:   |   |                  |  |  |  |  |  |  |  |  |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |
|                   | Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Correction Factor:  |   |                  |  |  |  |  |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS  |
|                   | Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Temperature Reading:  |   |                  |  |  |  |  |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |
|                   | Total Containers:     |   | Corrected Temperature:  |   |                  |  |  |  |  |  |  |  |  |  | Zn Acetate+NaOH: Zn   |
|                   |                       |   |   |   |                  |  |  |  |  |  |  |  |  |  | NaOH+Ascorbic Acid: SAPC  |

| Sample Identification | Date      | Time | Soil | Water | Grab/Comp | # of Cont |   |   |   |  |  |  |  |  |  |  | Sample Comments |
|-----------------------|-----------|------|------|-------|-----------|-----------|---|---|---|--|--|--|--|--|--|--|-----------------|
| T-3 (2)               | 11/3/2022 |      | X    |       | Grab/     | 1         | X | X | X |  |  |  |  |  |  |  |                 |
| T-3 (3)               | 11/3/2022 |      | X    |       | Grab/     | 1         | X | X | X |  |  |  |  |  |  |  |                 |
| T-3 (4)               | 11/3/2022 |      | X    |       | Grab/     | 1         | X | X | X |  |  |  |  |  |  |  |                 |
| T-4 (0-1)             | 11/3/2022 |      | X    |       | Grab/     | 1         | X | X | X |  |  |  |  |  |  |  |                 |
| T-4 (1.5)             | 11/3/2022 |      | X    |       | Grab/     | 1         | X | X | X |  |  |  |  |  |  |  |                 |
| T-4 (2)               | 11/3/2022 |      | X    |       | Grab/     | 1         | X | X | X |  |  |  |  |  |  |  |                 |
| T-4 (3)               | 11/3/2022 |      | X    |       | Grab/     | 1         | X | X | X |  |  |  |  |  |  |  |                 |
| T-4 (4)               | 11/3/2022 |      | X    |       | Grab/     | 1         | X | X | X |  |  |  |  |  |  |  |                 |

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

|                              |              |                          |           |
|------------------------------|--------------|--------------------------|-----------|
| Relinquished by: (Signature) | Date/Time    | Received by: (Signature) | Date/Time |
| <i>Conner Moehring</i>       | 11-3-22 1645 | <i>Shirley Wells</i>     |           |



Chain of Custody

Work Order No: 422521

|                  |                       |                         |                             |
|------------------|-----------------------|-------------------------|-----------------------------|
| Project Manager: | Conner Moehring       | Bill to: (if different) | Todd Wells                  |
| Company Name:    | Carmona Resources     | Company Name:           | EOG Resources               |
| Address:         | 310 W Wall St Ste 415 | Address:                | 5509 Champions Dr           |
| City, State ZIP: | Midland, TX 79701     | City, State ZIP:        | Midland, Tx 79706           |
| Phone:           | 432-813-6823          | Email:                  | Todd Wells@eogresources.com |

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

|                       |   |                                  |   |            |   |           |   |   |   |  |  |  |  |  |  |  |   |   |                 |  |
|-----------------------|---|----------------------------------|---|------------|---|-----------|---|---|---|--|--|--|--|--|--|--|---|---|-----------------|--|
| Project Name:         | Green Drake 402   | Turn Around                      |   | Pres. Code | ANALYSIS REQUEST  |           |   |   |   |  |  |  |  |  |  |  | Preservative Codes                              |   |                 |  |
| Project Number:       | 1170  | <input type="checkbox"/> Routine | <input checked="" type="checkbox"/> Rush                            |            |   |           |   |   |   |  |  |  |  |  |  |  | None: NO  | DI Water: H <sub>2</sub> O  |                 |  |
| Project Location:     | Lea County, NM  | Due Date:                        | 72 Hrs  |            |   |           |   |   |   |  |  |  |  |  |  |  | Cool: Cool                                      | MeOH: Me  |                 |  |
| Sampler's Name:       | CRM   |                                  |   |            |   |           |   |   |   |  |  |  |  |  |  |  | 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"/> |           |   |   |   |  |  |  |  |  |  |  |   |   |                 |  |
| Received Intact:      | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Thermometer ID:                  |   |            |   |           |   |   |   |  |  |  |  |  |  |  |   | NaHSO <sub>4</sub> : NABIS  |                 |  |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | 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"/> | Temperature Reading:             |   |            |   |           |   |   |   |  |  |  |  |  |  |  |   | Zn Acetate+NaOH: Zn   |                 |  |
| Total Containers:     |   | Corrected Temperature:           |   |            |   |           |   |   |   |  |  |  |  |  |  |  |   | NaOH+Ascorbic Acid: SAPC  |                 |  |
| Sample Identification | Date  | Time                             | Soil  | Water      | Grab/Comp   | # of Cont |   |   |   |  |  |  |  |  |  |  |   |   | Sample Comments |  |
| T-4 (5)               | 11/3/2022   |                                  | X   |            | Grab/   | 1         | X | X | X |  |  |  |  |  |  |  |   |   |                 |  |
| T-4 (6)               | 11/3/2022   |                                  | X   |            | Grab/   | 1         | X | X | X |  |  |  |  |  |  |  |   |   |                 |  |
| H-1 (0-0.5')          | 11/3/2022   |                                  | X   |            | Grab/   | 1         | X | X | X |  |  |  |  |  |  |  |   |   |                 |  |
| H-2 (0-0.5')          | 11/3/2022   |                                  | X   |            | Grab/   | 1         | X | X | X |  |  |  |  |  |  |  |   |   |                 |  |
| H-3 (0-0.5')          | 11/3/2022   |                                  |   | X          | Grab/   | 1         | X | X | X |  |  |  |  |  |  |  |   |   |                 |  |
| H-4 (0-0.5')          | 11/3/2022   |                                  |   |            |   |           |   |   |   |  |  |  |  |  |  |  |   |   |                 |  |

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

|                              |               |                          |               |
|------------------------------|---------------|--------------------------|---------------|
| Relinquished by: (Signature) | Date/Time     | Received by: (Signature) | Date/Time     |
| <i>Conner Moehring</i>       | 11-3-22 16:45 | <i>Todd Wells</i>        | 11-3-22 16:45 |

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 181844

CONDITIONS

|  |   |
|--|---|
| Operator:<br>EOG RESOURCES INC<br>P.O. Box 2267<br>Midland, TX 79702 | OGRID:<br>7377  |
|  | Action Number:<br>181844                                  |
|  | Action Type:<br>[C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition   | Condition Date |
|------------|---|----------------|
| jnobui     | Remediation Plan Approved with Conditions. Composite confirmation samples will be collected from the bottom and sidewalls of the excavation from areas representing no more than two hundred (200) square feet. Sidewall samples should be delineated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release, regardless of depth to groundwater. | 2/17/2023      |