

CARMONA RESOURCES



## SITE INFORMATION

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**Closure Report**  
**Jameson 26 Fed #4H (03.14.22)**  
**Incident #: NAPP2209135688**  
**Eddy County, New Mexico**  
**Unit C Sec 26 T22S R28E**  
**32.368983°, -104.059881°**

**Crude Oil & Produced Water Release**  
**Point of Release: Manway Gasket Failure**  
**Release Date: 03/14/2022**  
**Volume Released: 6.42 barrels of Crude Oil & 6.42 barrels of Produced Water**  
**Volume Recovered: 4 barrels of Crude Oil & 3.5 barrels of Produced Water**

CARMONA RESOURCES



**Prepared for:**  
**Concho Operating, LLC**  
**15 West London Road**  
**Loving, New Mexico 88256**

**Prepared by:**  
**Carmona Resources, LLC**  
**310 West Wall Street**  
**Suite 415**  
**Midland, Texas 79701**

310 West Wall Street, Suite 415  
Midland TX, 79701  
432.813.1992



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June 14, 2022

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

**Re: Closure Report  
Jameson 26 Fed #4 (03.14.22)  
Concho Operating, LLC  
Incident ID: NAPP2209135688  
Site Location: Unit C, S26, T22S, R28E  
(Lat 32.368983°, Long -104.059881°)  
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for the Jameson 26 Fed #4 (03.14.22). The site is located at 32.368983°, -104.059881° within Unit C, S26, T22S, R28E, in Eddy County, New Mexico (Figures 1 and 2).

### **1.0 Site information and Background**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on March 14, 2022, due to the failure of a manway gasket at the free water knockout. It resulted in approximately 6.42 barrels of crude oil and six 6.42 barrels of produced water being released, and 4 barrels of crude oil and 3.5 barrels of produced water were recovered. 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 medium 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 closest well is approximately 1.61 miles Northwest of the site in S15, T22S, R28E and was drilled in 1998. The well has a reported depth to groundwater of 71.18' feet below ground surface (ft bgs). A copy of the associated summary report is attached in Appendix D.

### **3.0 NMAC Regulatory Criteria**

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg.



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

On April 27, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of twelve (12) sample points were advanced to depths ranging from the surface to 1.0' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Table 1 for the analytical results.

#### **5.0 Remediation Activities**

Carmona Resources personnel were on site on June 2, 2022, to supervise the remediation activities and collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via email on May 31, 2022, per Subsection D of 19.15.29.12 NMAC. The areas on the backside of the pad were excavated to 0.5' bgs to remove all impacted soils. A total of fourteen (14) confirmation floor samples were collected (CS-1 through CS-14), and four (4) sidewall samples (SW-1 through SW-4) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

All the final confirmation samples were below the 19.15.29.12 NMAC criteria. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 52 cubic yards of material were excavated and transported offsite for proper disposal.

#### **6.0 Conclusions**

Based on the assessment finding and the analytical results, no further actions are required at the site. The final C-141 is attached, and COG formally requests closure of the spill. 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

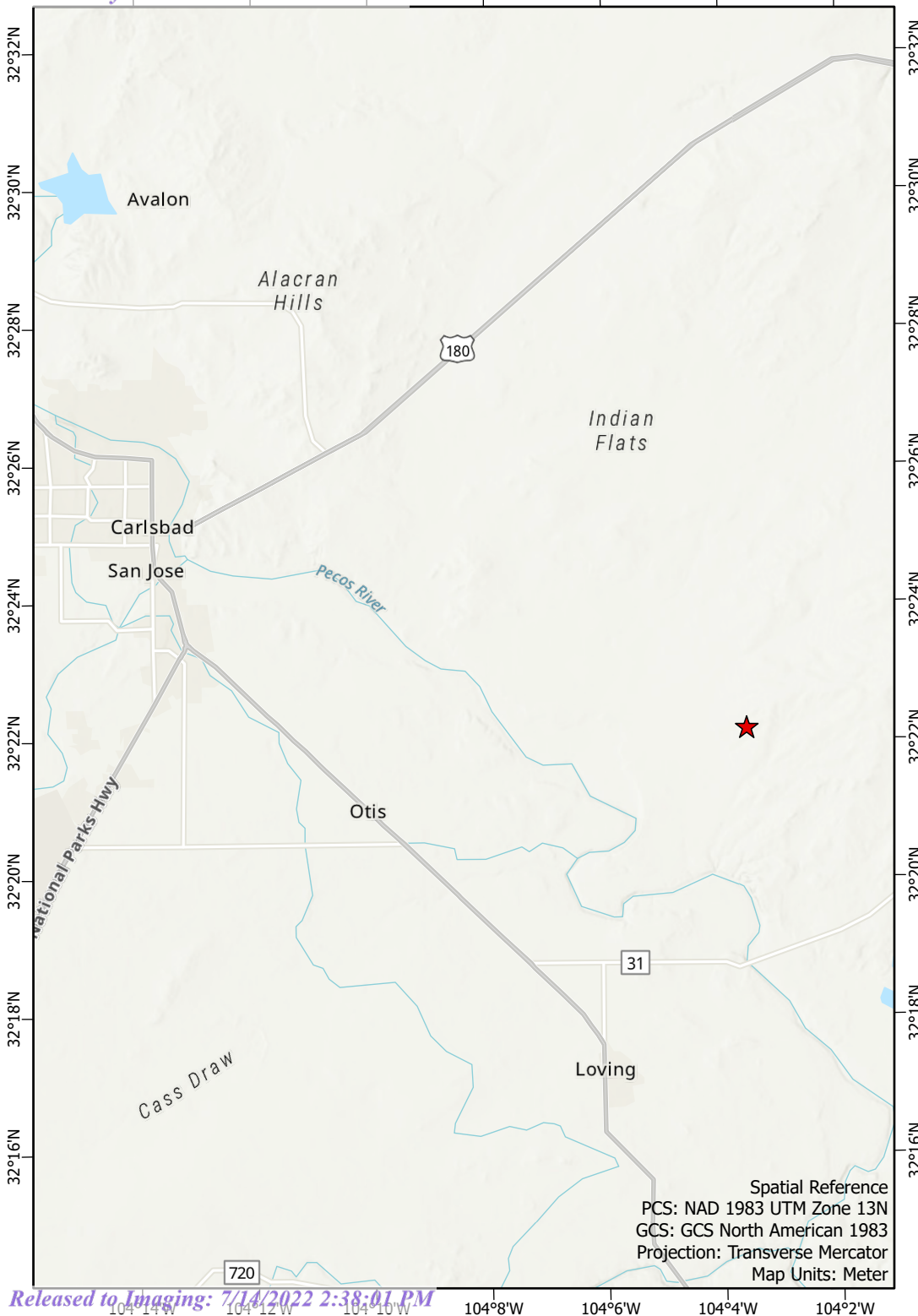
Clinton Merritt  
Sr. Project Manager



## FIGURES

CARMONA RESOURCES



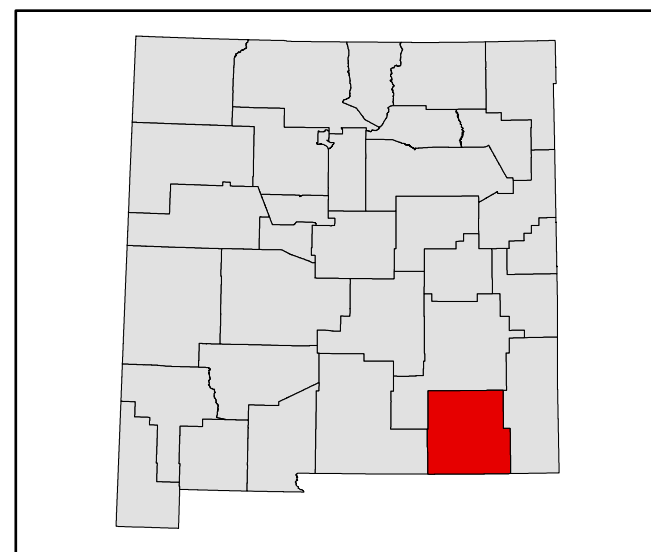


## OVERVIEW MAP COG OPERATING

JAMESON 26 FEDERAL #4H  
 03/14/22  
 EDDY COUNTY, NEW MEXICO  
 32.368983°, -104.059881°

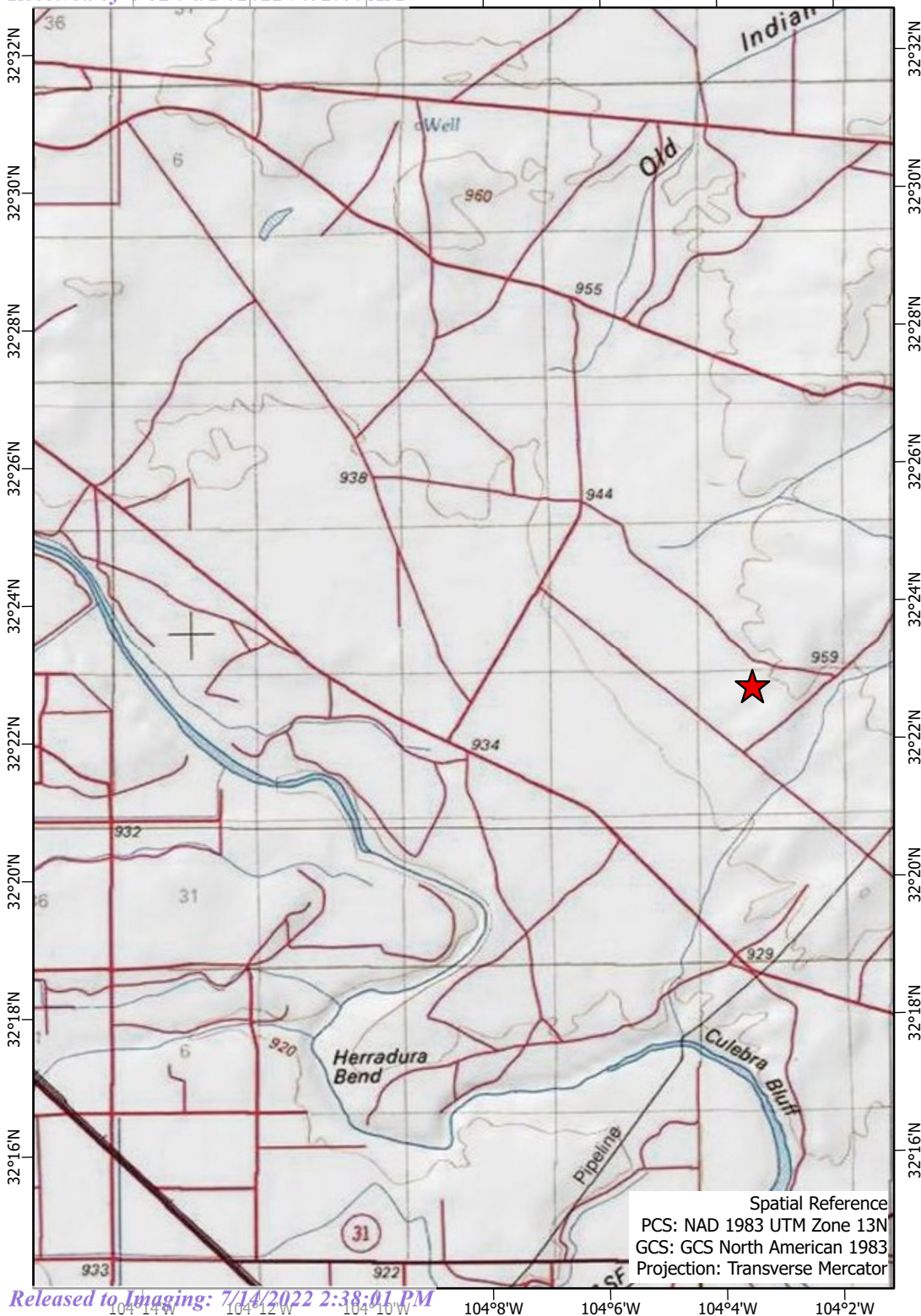


★ Site Location



**Carmona Resources**  
 310 West Wall Street, Suite 415  
 Midland, Texas 79701

**DRAWING NUMBER: Figure 1**  
**SHEET NUMBER: 1 of 1**



## OVERVIEW MAP COG OPERATING

JAMESON 26 FEDERAL #4H

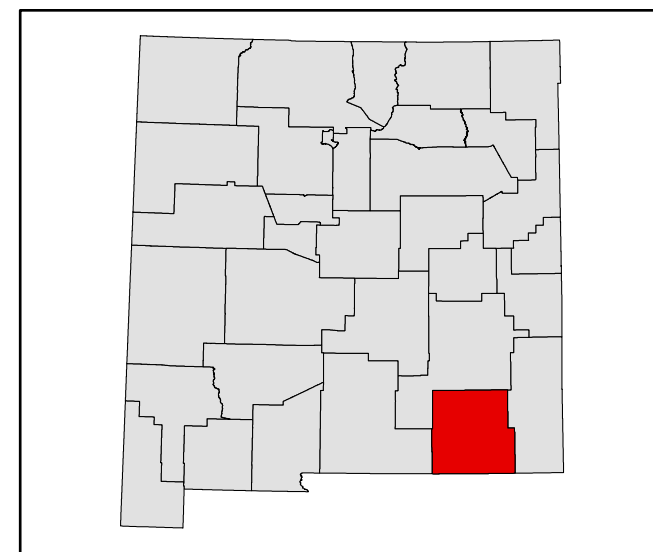
03/14/22

EDDY COUNTY, NEW MEXICO

32.368983°, -104.059881°



★ Site Location



**Carmona Resources**  
310 West Wall Street, Suite 415  
Midland, Texas 79701

DRAWING NUMBER: **Figure 2**  
SHEET NUMBER: **1 of 1**



# **SAMPLE LOCATION MAP COG OPERATING**

JAMESON 26 FEDERAL #4H

03/14/22

EDDY COUNTY, NEW MEXICO

32.368983°, -104.059881°



0 25 50 100

Feet

## **Legend**



Point of Release



Sample Points



Horizontals



Area of Concern

Spatial Reference

PCS: NAD 1983 UTM Zone 13N

GCS: GCS North American 1983

Projection: Transverse Mercator

Map Units: Meter

Date Exported: 06/06/22

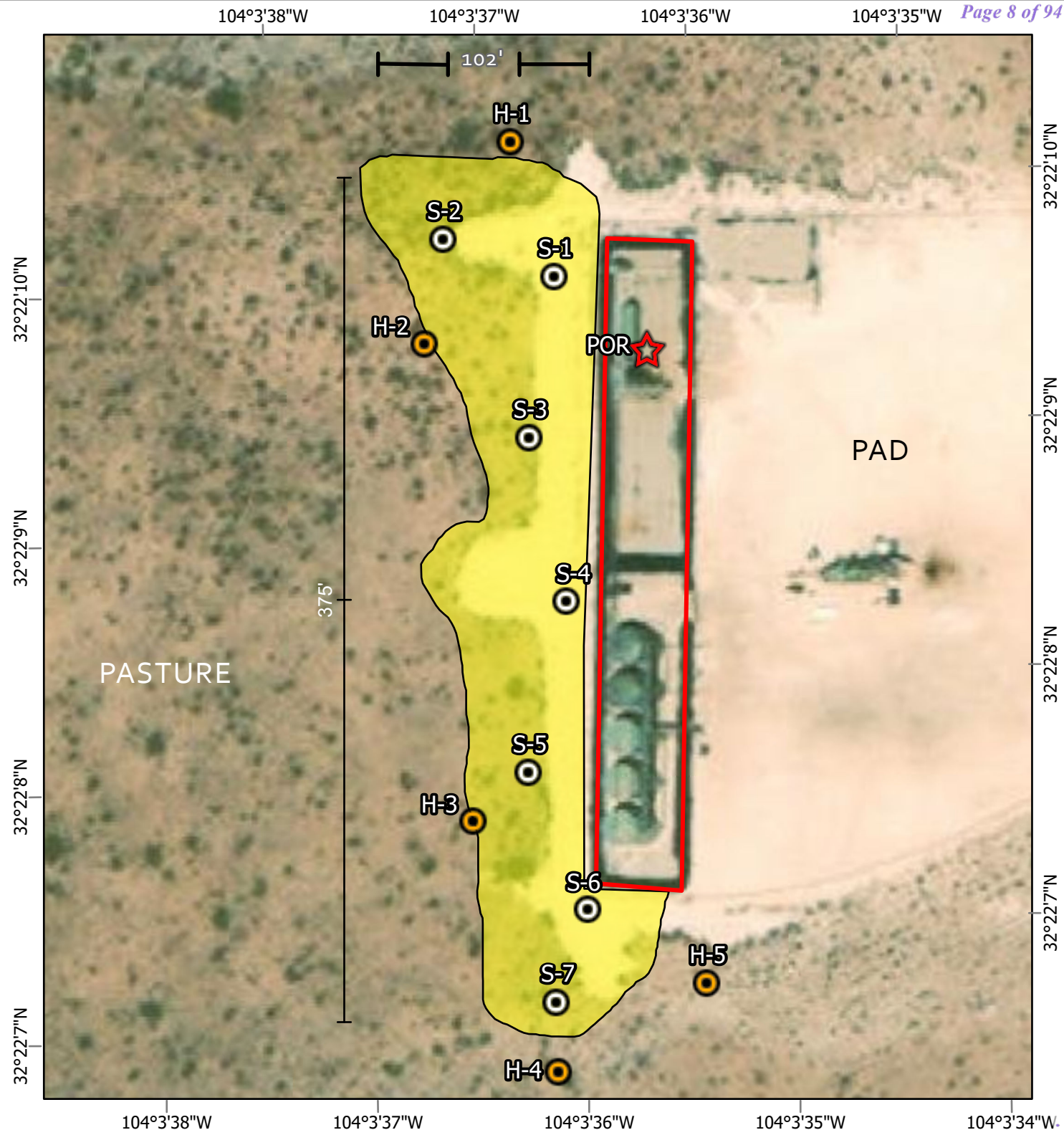
CARMONA RESOURCES



## **Carmona Resources**

310 West Wall Street, Suite 415

Midland, Texas 79701

DRAWING NUMBER: **Figure 3**SHEET NUMBER: **1 of 1**

# EXCAVATION DEPTH MAP COG OPERATING

JAMESON 26 FEDERAL #4H

03/14/22

EDDY COUNTY, NEW MEXICO

32.368983°, -104.059881°



0 25 50

Feet

## Legend



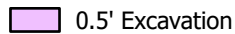
Point of Release



Sidewall Samples



Confirmation Samples



0.5' Excavation

## Spatial Reference

PCS: NAD 1983 UTM Zone 13N

GCS: GCS North American 1983

Projection: Transverse Mercator

Map Units: Meter

Date Exported: 06/06/22

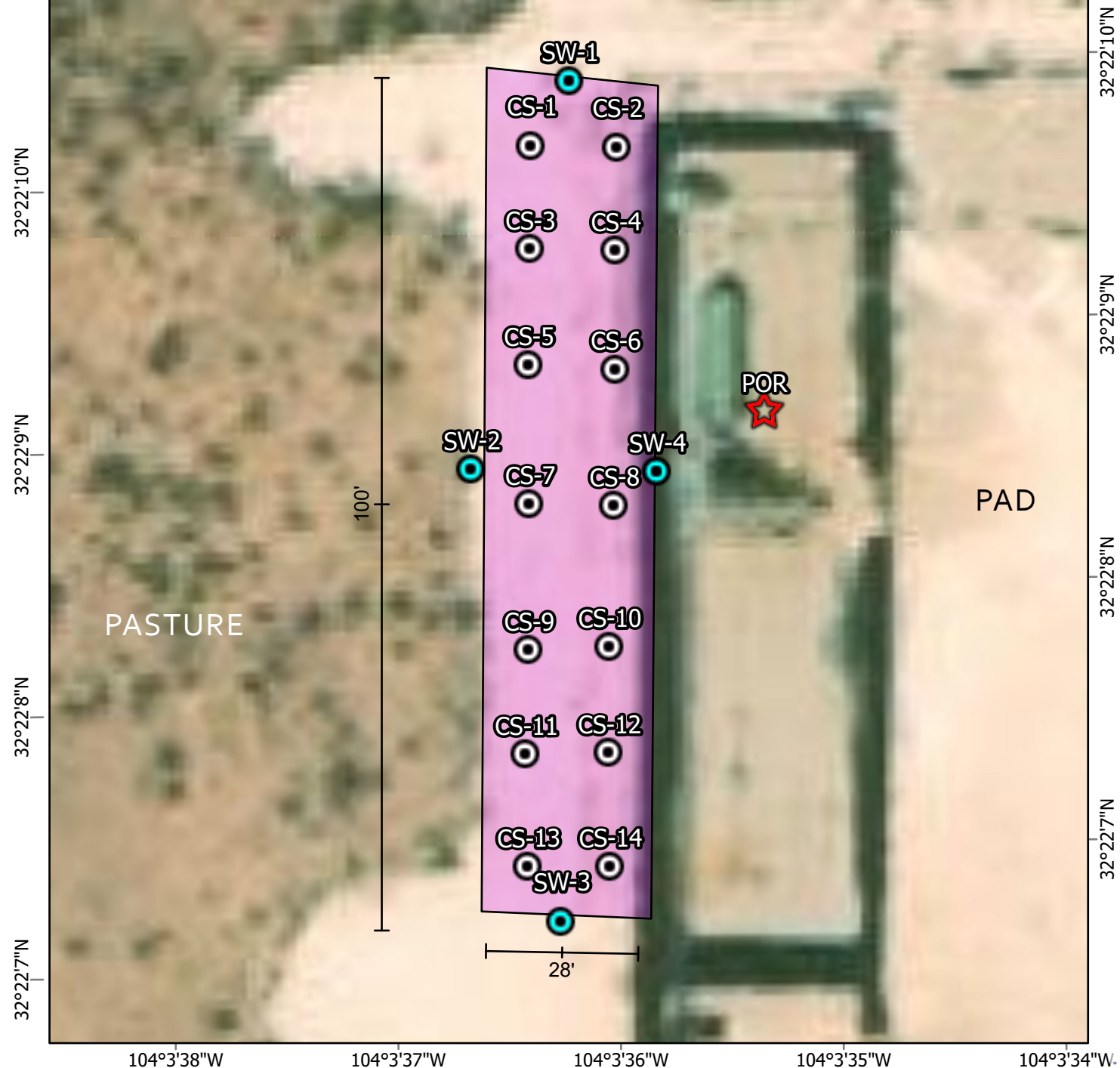
CARMONA RESOURCES



## Carmona Resources

310 West Wall Street, Suite 415

Midland, Texas 79701

DRAWING NUMBER: **Figure 4**SHEET NUMBER: **1 of 1**

## APPENDIX A

CARMONA RESOURCES



**Table 1**  
**COG**  
**Jameson 26 Fed #4H (3.14.22)**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (in)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>S-1</b>	4/27/2022	0-3	<49.9	1,850	300	2,150	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,210
	"	6	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	395
	"	12	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	286
<b>S-2</b>	4/27/2022	0-3	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	299
	"	6	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	332
	"	12	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	329
<b>S-3</b>	4/27/2022	0-3	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9.09
	"	6	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	9.67
	"	12	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.97
<b>S-4</b>	4/27/2022	0-3	<49.9	262	<49.9	262	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,140
	"	6	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	431
	"	12	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	287
<b>S-5</b>	4/27/2022	0-3	<50.0	53.9	<50.0	53.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	12.3
	"	6	<49.9	90.7	<49.9	90.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	7.64
	"	12	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	5.84
<b>S-6</b>	4/27/2022	0-3	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	7.55
	"	6	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	8.61
	"	12	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	7.63
<b>S-7</b>	4/27/2022	0-3	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7.26
	"	6	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	7.54
	"	12	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	17.6
<b>H-1</b>	4/27/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	6.71
<b>H-2</b>	4/27/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	5.95
<b>H-3</b>	4/27/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	6.02
<b>H-4</b>	4/27/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	7.00
<b>H-5</b>	4/27/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7.16
<b>Regulatory Criteria<sup>A</sup></b>						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

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

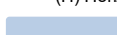
mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

In-Inches

(S) Sample Point

(H) Horizontal

 Exceeds



**Table 2**  
**COG**  
**Jameson 26 Fed #4H (3.14.22)**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	6/2/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-2	6/2/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-3	6/2/2022	0.5	<10.0	11.8	<10.0	11.8	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-4	6/2/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-5	6/2/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-6	6/2/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-7	6/2/2022	0.5	<10.0	10.6	<10.0	10.6	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-8	6/2/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-9	6/2/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-10	6/2/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-11	6/2/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-12	6/2/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-13	6/2/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-14	6/2/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-1	6/2/2022	0.5	<10.0	12.4	<10.0	12.4	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-2	6/2/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-3	6/2/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-4	6/2/2022	0.5	<10.0	11.1	<10.0	11.1	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Regulatory Criteria <sup>A</sup>						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons  
ft-feet

(CS) Confirmation Sample

(SW) Sidewall



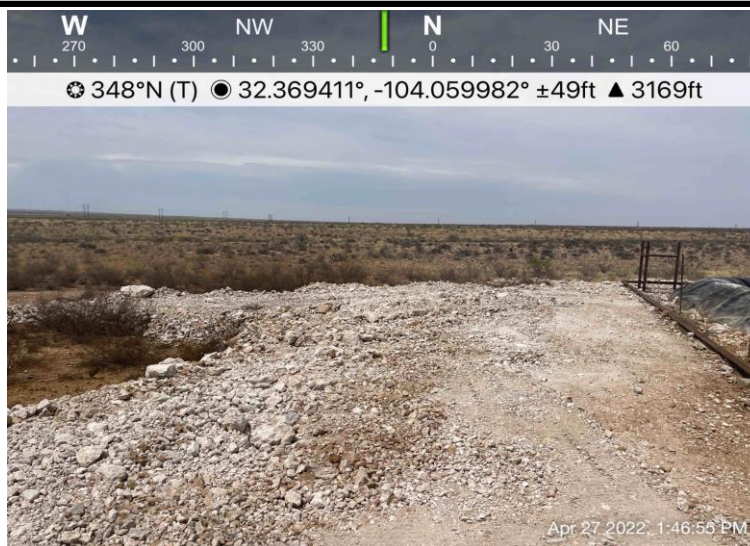
## APPENDIX B

CARMONA RESOURCES

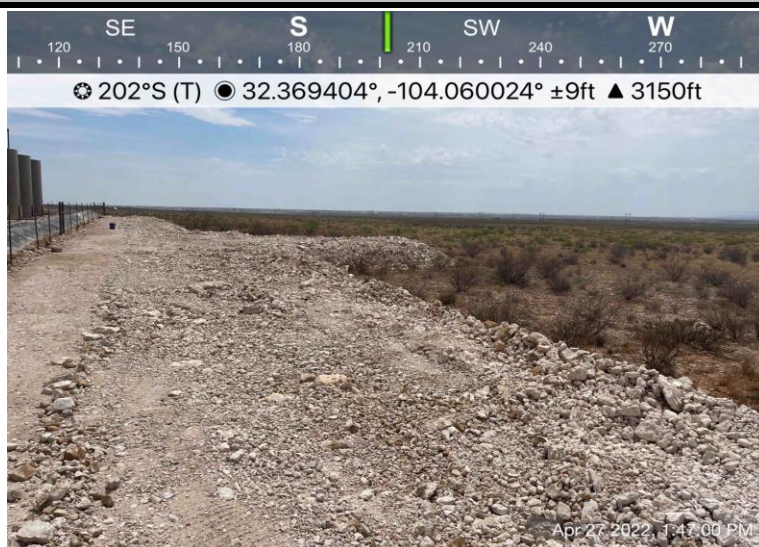


**PHOTOGRAPHIC LOG****Concho Operating, LLC****Photograph No. 1****Facility:** Jameson 26 Fed #4 (03.14.22)**County:** Eddy County, New Mexico**Description:**

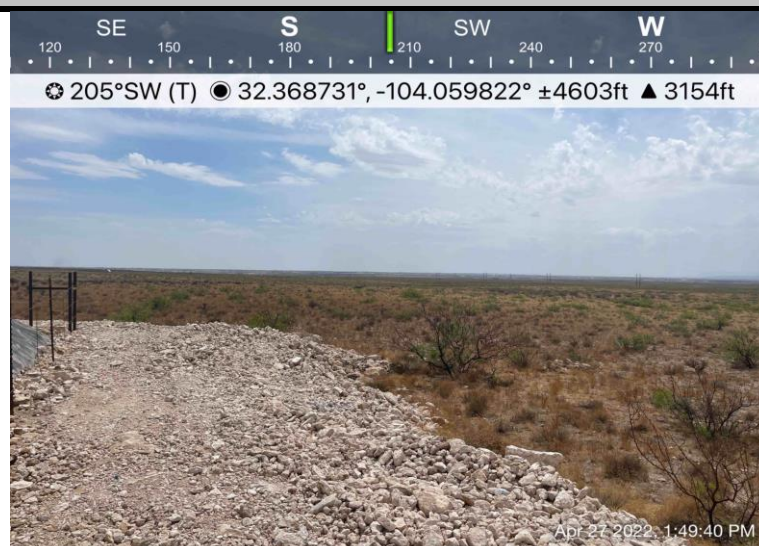
View North, area of sample points (1-2).

**Photograph No. 2****Facility:** Jameson 26 Fed #4 (03.14.22)**County:** Eddy County, New Mexico**Description:**

View South, area of sample points (3-7).

**Photograph No. 3****Facility:** Jameson 26 Fed #4 (03.14.22)**County:** Eddy County, New Mexico**Description:**

View South, area of sample points (5-7).



**PHOTOGRAPHIC LOG****Concho Operating, LLC****Photograph No. 4****Facility:** Jameson 26 Fed #4 (03.14.22)**County:** Eddy County, New Mexico**Description:**

View South, area of confirmation samples (1-14).

**Photograph No. 5****Facility:** Jameson 26 Fed #4 (03.14.22)**County:** Eddy County, New Mexico**Description:**

View North, area of confirmation samples (1-14).



## 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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

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 type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input 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

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input 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 type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input 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.	
Printed Name: _____	Title: _____
Signature: <u></u>	Date: _____
email: _____	Telephone: _____
<b><u>OCD Only</u></b>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>04/01/2022</u>

Received by OCD: 6/17/2022 9:52:44 AM

Asset Name & Number: Jamison

Asset Area: DBWN

Release Discovery Date & Time: 3.14.21

Release Type: Oil Mixture

Provide any known details about the event:

NAPP2209135688

Page 19 of 94

Spill Calculation - Subsurface Spill - Rectangle

Was the release on pad or off-pad?

See reference table below

Has it rained at least a half inch in the last 24 hours?

See reference table below

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	20.0	60.0	0.02	13.63%	0.356	0.049	50.00%	0.024	0.024
Rectangle B	90.0	300.0	0.02	13.63%	8.010	1.092	50.00%	0.546	0.546
Rectangle C					0.000	0.000		0.000	0.000
Rectangle D					0.000	0.000		0.000	0.000
Rectangle E					0.000	0.000		0.000	0.000
Rectangle F					0.000	0.000		0.000	0.000
Rectangle G					0.000	0.000		0.000	0.000
Rectangle H					0.000	0.000		0.000	0.000
Rectangle I					0.000	0.000		0.000	0.000
Rectangle J					0.000	0.000		0.000	0.000
Total Volume Release:						1.140		0.570	0.570

Released to Imaging: 7/14/2022 2:38:01 PM

**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 95238

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 95238
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	4/1/2022



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

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: Jaqui Heredia \_\_\_\_\_ Date: 6/17/2022

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

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

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

Signature: Jaquie Morris \_\_\_\_\_ Date: 6/17/2022

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

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

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

---

**From:** Mike Carmona  
**Sent:** Tuesday, May 31, 2022 1:31 PM  
**To:** OCD.Enviro@state.nm.us  
**Cc:** Harris, Jacqui  
**Subject:** 48 Hour Sampling Notification COG Jameson 26 Fed #4H (3.14.22)

Good afternoon,

The remediation has been pushed back. Carmona Resources will now be collecting confirmation samples at the below-referenced site for the at-risk remediation on Thursday, 06/02/2022, at noon Mountain Time. Please let me know if you have any questions.

**COG Jameson 26 Fed #4 (03.14.22)**  
**Sec 26 T22S R28E Unit C**  
**32.368983°, -104.059881°**  
**Eddy County, New Mexico**

Mike J. Carmona  
310 West Wall Street, Suite 415  
Midland TX, 79701  
M: 432-813-1992  
[Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com)

## APPENDIX D

CARMONA RESOURCES





**Nearest water well**

COG Operating

**Legend**

- 0.50 Mile Radius
- 1.61 Miles
- 1.61 Miles
- USGS Water Well
- Jameson 26 Fed #4 (03.14.22)

75.42' - Drilled 1959 71.18' - Drilled 1998

Jameson 26 Fed #4 (03.14.22)

607

605



4000 ft

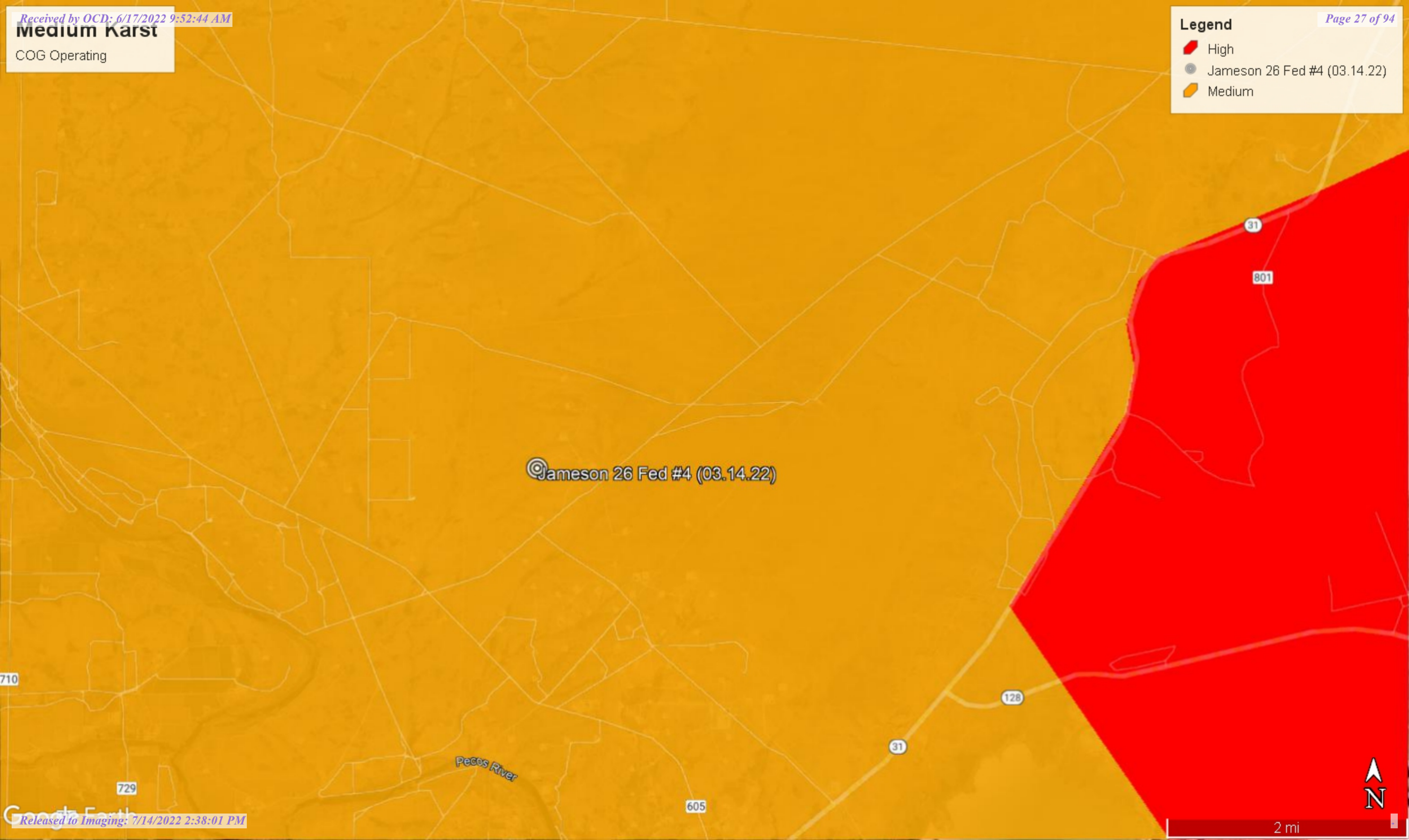


Medium Karst

COG Operating

Legend

- High
- Jameson 26 Fed #4 (03.14.22)
- Medium



710

729

Pecos River

605

31

128

31

801

Jameson 26 Fed #4 (03.14.22)



2 mi



# 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	Code	POD Sub-basin		Q Q Q						X	Y	Depth Well	Depth Water	Water Column		
		County		64	16	4	Sec	Tws	Rng							
<a href="#">C 00035</a>		CUB	ED	3	3	3	32	22S	28E	583127	3578762*		146			
<a href="#">C 00036</a>		CUB	ED	3	3	2	32	22S	28E	583916	3579583*		106			
<a href="#">C 00052</a>	O	CUB	ED	3	4	4	30	22S	28E	582707	3580371*		208	12	196	
<a href="#">C 00212</a>		CUB	ED	3	3	3	32	22S	28E	583127	3578762*		146	30	116	
<a href="#">C 00212 CLW193874</a>	O	CUB	ED	3	3	3	32	22S	28E	583127	3578762*					
<a href="#">C 00213</a>		CUB	ED	1	4	1	32	22S	28E	583517	3579775*		200	35	165	
<a href="#">C 00214</a>		CUB	ED	2	3	3	32	22S	28E	583327	3578962*		200			
<a href="#">C 00236</a>		C	ED	2	2	3	32	22S	28E	583723	3579372*		80	39	41	
<a href="#">C 00642</a>		C	ED					19	22S	28E	582220	3582687*		200		
<a href="#">C 01508</a>		C	ED	1	1	4	18	22S	28E	582206	3584195*		180			
<a href="#">C 02840</a>		CUB	ED	2	3	1	31	22S	28E	581721	3579758*		220			
<a href="#">C 03040</a>		C	ED	4	3	1	31	22S	28E	582254	3579191		72	42	30	
<a href="#">C 03094</a>		C	ED	4	3	1	32	22S	28E	583317	3579567*		138	53	85	
<a href="#">C 03184</a>		C	ED	2	3	3	32	22S	28E	583327	3578962*		157	30	127	
<a href="#">C 03533 POD1</a>		CUB	ED	3	4	4	03	22S	28E	587377	3586934		55			
<a href="#">C 03533 POD2</a>		CUB	ED	3	4	4	03	22S	28E	587358	3586935		55			
<a href="#">C 03533 POD3</a>		CUB	ED	3	4	4	03	22S	28E	587370	3586911		55			
<a href="#">C 03533 POD4</a>		CUB	ED	4	3	4	03	22S	28E	587331	3586892		55			
<a href="#">C 03534 POD1</a>		CUB	ED	4	3	4	03	22S	28E	587240	3586950		150			
<a href="#">C 04417 POD1</a>		CUB	ED	4	3	3	36	22S	28E	589736	3578874		55			

\*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.



Average Depth to Water: **34 feet**

Minimum Depth: **12 feet**

Maximum Depth: **53 feet**

---

**Record Count:** 20

**PLSS Search:**

**Township:** 22S

**Range:** 28E



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National Water Information System: Web Interface

USGS Water Resources

Data Category:  
Groundwater

Geographic Area:  
New Mexico

GO

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- [Full News](#)

Groundwater levels for New Mexico

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

Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 322316104043501

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

USGS 322316104043501 22S.28E.15.341333

Eddy County, New Mexico  
Latitude 32°23'16", Longitude 104°04'35" NAD27  
Land-surface elevation 3,106 feet above NAVD88  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1959-04-17			D 62610		3028.40	NGVD29	1		Z	
1959-04-17			D 62611		3030.00	NAVD88	1		Z	
1959-04-17			D 72019	76.00			1		Z	
1983-01-18			D 62610		3030.51	NGVD29	1		Z	
1983-01-18			D 62611		3032.11	NAVD88	1		Z	
1983-01-18			D 72019	73.89			1		Z	
1987-10-20			D 62610		3030.77	NGVD29	P		Z	
1987-10-20			D 62611		3032.37	NAVD88	P		Z	
1987-10-20			D 72019	73.63			P		Z	
1992-12-10			D 62610		3033.31	NGVD29	1		S	
1992-12-10			D 62611		3034.91	NAVD88	1		S	
1992-12-10			D 72019	71.09			1		S	
1998-01-27			D 62610		3033.22	NGVD29	1		S	
1998-01-27			D 62611		3034.82	NAVD88	1		S	
1998-01-27			D 72019	71.18			1		S	

## Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Page Last Modified: 2022-03-25 09:13:40 EDT

0.38 0.33 nadww01



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## National Water Information System: Web Interface

USGS Water Resources

Data Category:  Geographic Area:

Click to hide News Bulletins

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Groundwater levels for New Mexico

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### Search Results -- 1 sites found

Agency code = usgs

site\_no list = 

- 322316104043502

Minimum number of levels = 1

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

### USGS 322316104043502 22S.28E.15.3413334A

Eddy County, New Mexico

Latitude 32°23'16", Longitude 104°04'35" NAD27

Land-surface elevation 3,106 feet above NAVD88

The depth of the well is 87 feet below land surface.

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

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

#### Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1959-04-17			D	62610	3028.98	NGVD29	1	Z		
1959-04-17			D	62611	3030.58	NAVD88	1	Z		
1959-04-17			D	72019	75.42		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
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static

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

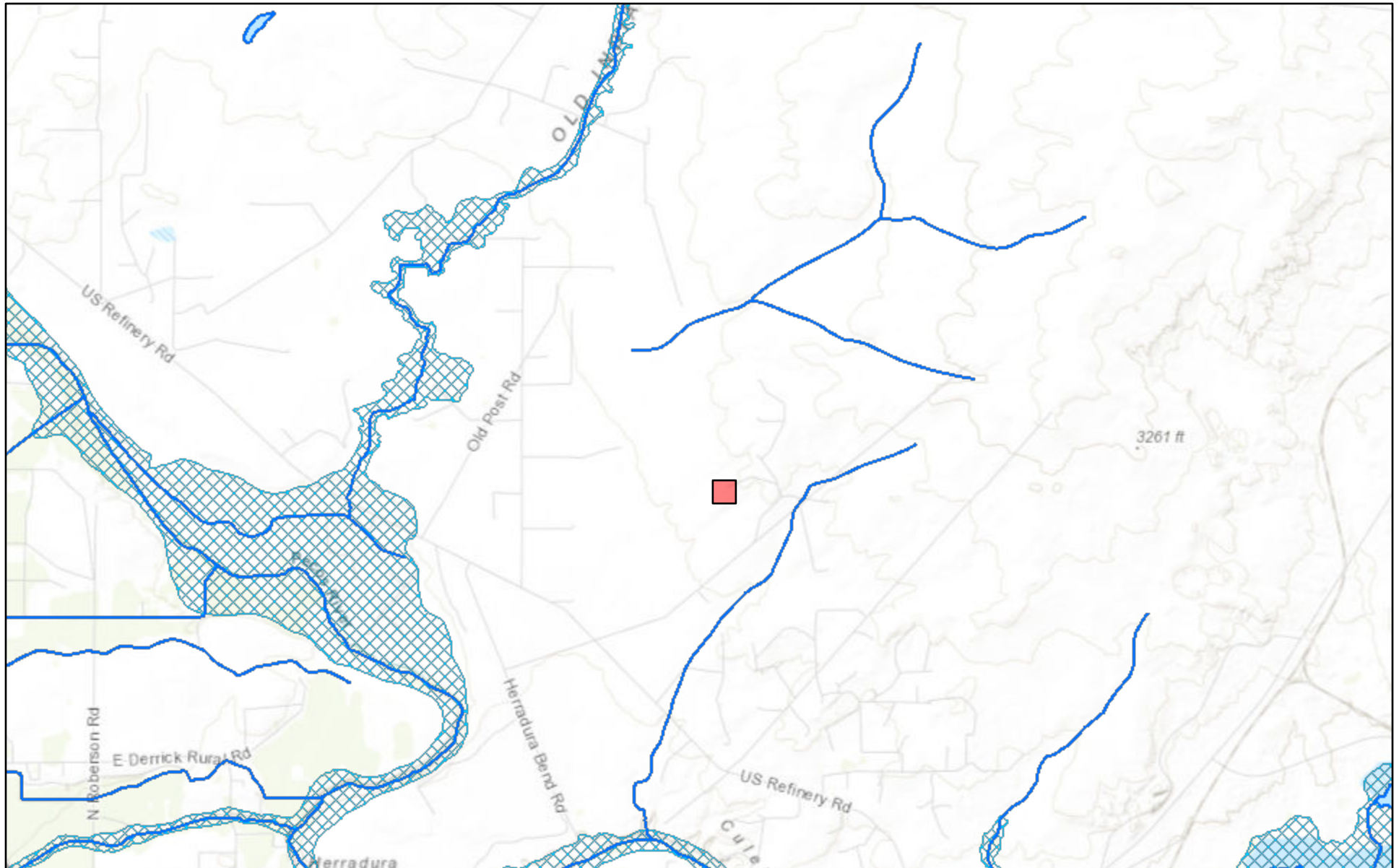
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**Title: Groundwater for New Mexico: Water Levels**  
**URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**

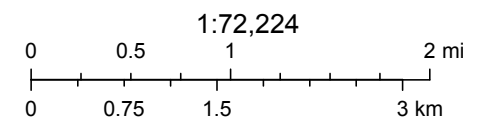


Page Contact Information: [New Mexico Water Data Maintainer](#)  
Page Last Modified: 2022-03-25 09:15:07 EDT  
0.37 0.33 nadww01

# New Mexico NFHL Data



March 23, 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





## Environment Testing America

### ANALYTICAL REPORT

Eurofins Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-13158-1

Laboratory Sample Delivery Group: Eddy Co, NM  
Client Project/Site: Jameson 26 Fed #4 (3.14.22)

**For:**

Carmona Resources  
310 W Wall St  
Ste 415  
Midland, Texas 79701

Attn: Conner Moehring

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:  
4/13/2022 2:12:26 PM

Jessica Kramer, Project Manager  
(432)704-5440  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)

#### LINKS

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results through

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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Laboratory Job ID: 880-13158-1  
SDG: Eddy Co, NM

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## Definitions/Glossary

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

## Case Narrative

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

**Job ID: 880-13158-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-13158-1****Receipt**

The samples were received on 3/31/2022 4:14 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C

**GC VOA**

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-22761 and analytical batch 880-22774 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: S-7 (0-0.5') (880-13158-7) and (MB 880-22768/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-22769/1-A). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Client Sample Results

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

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

Lab Sample ID: 880-13158-1

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/01/22 08:25	04/02/22 18:35	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		04/01/22 08:25	04/02/22 18:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/01/22 08:25	04/02/22 18:35	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/01/22 08:25	04/02/22 18:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/01/22 08:25	04/02/22 18:35	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/01/22 08:25	04/02/22 18:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	04/01/22 08:25	04/02/22 18:35	1
1,4-Difluorobenzene (Surr)	92		70 - 130	04/01/22 08:25	04/02/22 18:35	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/04/22 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/01/22 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/01/22 08:39	04/01/22 11:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/01/22 08:39	04/01/22 11:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/01/22 08:39	04/01/22 11:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	04/01/22 08:39	04/01/22 11:23	1
o-Terphenyl	104		70 - 130	04/01/22 08:39	04/01/22 11:23	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	891		24.9		mg/Kg			04/13/22 09:22	5

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

Lab Sample ID: 880-13158-2

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/01/22 08:25	04/02/22 18:55	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		04/01/22 08:25	04/02/22 18:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/01/22 08:25	04/02/22 18:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/01/22 08:25	04/02/22 18:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/01/22 08:25	04/02/22 18:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/01/22 08:25	04/02/22 18:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	04/01/22 08:25	04/02/22 18:55	1
1,4-Difluorobenzene (Surr)	102		70 - 130	04/01/22 08:25	04/02/22 18:55	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

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

Lab Sample ID: 880-13158-2

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/04/22 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	123		50.0		mg/Kg			04/01/22 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/01/22 08:39	04/01/22 12:27	1
Diesel Range Organics (Over C10-C28)	123		50.0		mg/Kg		04/01/22 08:39	04/01/22 12:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/01/22 08:39	04/01/22 12:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				04/01/22 08:39	04/01/22 12:27	1
o-Terphenyl	106		70 - 130				04/01/22 08:39	04/01/22 12:27	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1060		25.0		mg/Kg			04/13/22 09:48	5

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

Lab Sample ID: 880-13158-3

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/01/22 08:25	04/02/22 20:46	1
Toluene	<0.00201	U * - *1	0.00201		mg/Kg		04/01/22 08:25	04/02/22 20:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/01/22 08:25	04/02/22 20:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/01/22 08:25	04/02/22 20:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/01/22 08:25	04/02/22 20:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/01/22 08:25	04/02/22 20:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				04/01/22 08:25	04/02/22 20:46	1
1,4-Difluorobenzene (Surr)	101		70 - 130				04/01/22 08:25	04/02/22 20:46	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/04/22 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/01/22 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/01/22 08:39	04/01/22 14:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/01/22 08:39	04/01/22 14:14	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

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

Lab Sample ID: 880-13158-3

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/01/22 08:39	04/01/22 14:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				04/01/22 08:39	04/01/22 14:14	1
o-Terphenyl	108		70 - 130				04/01/22 08:39	04/01/22 14:14	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1270		24.8		mg/Kg			04/13/22 09:57	5

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

Lab Sample ID: 880-13158-4

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/01/22 08:25	04/02/22 21:06	1
Toluene	<0.00199	U * - *1	0.00199		mg/Kg		04/01/22 08:25	04/02/22 21:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/01/22 08:25	04/02/22 21:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/01/22 08:25	04/02/22 21:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/01/22 08:25	04/02/22 21:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/01/22 08:25	04/02/22 21:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				04/01/22 08:25	04/02/22 21:06	1
1,4-Difluorobenzene (Surr)	95		70 - 130				04/01/22 08:25	04/02/22 21:06	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/04/22 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/01/22 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/01/22 08:39	04/01/22 14:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/01/22 08:39	04/01/22 14:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/01/22 08:39	04/01/22 14:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				04/01/22 08:39	04/01/22 14:36	1
o-Terphenyl	100		70 - 130				04/01/22 08:39	04/01/22 14:36	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	974		25.1		mg/Kg			04/13/22 10:06	5

Eurofins Midland



## Client Sample Results

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

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

Lab Sample ID: 880-13158-5

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/01/22 08:25	04/02/22 21:27	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		04/01/22 08:25	04/02/22 21:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/01/22 08:25	04/02/22 21:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/01/22 08:25	04/02/22 21:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/01/22 08:25	04/02/22 21:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/01/22 08:25	04/02/22 21:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	04/01/22 08:25	04/02/22 21:27	1
1,4-Difluorobenzene (Surr)	89		70 - 130	04/01/22 08:25	04/02/22 21:27	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/04/22 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/01/22 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/01/22 08:39	04/01/22 14:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/01/22 08:39	04/01/22 14:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/01/22 08:39	04/01/22 14:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	04/01/22 08:39	04/01/22 14:57	1
o-Terphenyl	104		70 - 130	04/01/22 08:39	04/01/22 14:57	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		24.9		mg/Kg			04/13/22 10:15	5

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

Lab Sample ID: 880-13158-6

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/01/22 08:25	04/02/22 21:47	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		04/01/22 08:25	04/02/22 21:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/01/22 08:25	04/02/22 21:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/01/22 08:25	04/02/22 21:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/01/22 08:25	04/02/22 21:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/01/22 08:25	04/02/22 21:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	04/01/22 08:25	04/02/22 21:47	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/01/22 08:25	04/02/22 21:47	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

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

Lab Sample ID: 880-13158-6

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/04/22 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/01/22 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/01/22 08:39	04/01/22 15:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/01/22 08:39	04/01/22 15:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/01/22 08:39	04/01/22 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				04/01/22 08:39	04/01/22 15:19	1
o-Terphenyl	124		70 - 130				04/01/22 08:39	04/01/22 15:19	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1020		25.0		mg/Kg			04/13/22 10:41	5

Client Sample ID: S-7 (0-0.5')

Lab Sample ID: 880-13158-7

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/01/22 08:25	04/02/22 22:08	1
Toluene	<0.00202	U *- *1	0.00202		mg/Kg		04/01/22 08:25	04/02/22 22:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/01/22 08:25	04/02/22 22:08	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/01/22 08:25	04/02/22 22:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/01/22 08:25	04/02/22 22:08	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/01/22 08:25	04/02/22 22:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				04/01/22 08:25	04/02/22 22:08	1
1,4-Difluorobenzene (Surr)	89		70 - 130				04/01/22 08:25	04/02/22 22:08	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/04/22 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	252		49.9		mg/Kg			04/01/22 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/01/22 08:39	04/01/22 16:02	1
Diesel Range Organics (Over C10-C28)	164		49.9		mg/Kg		04/01/22 08:39	04/01/22 16:02	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

Client Sample ID: S-7 (0-0.5')

Lab Sample ID: 880-13158-7

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	88.4		49.9		mg/Kg		04/01/22 08:39	04/01/22 16:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				04/01/22 08:39	04/01/22 16:02	1
o-Terphenyl	136	S1+	70 - 130				04/01/22 08:39	04/01/22 16:02	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	325		4.99		mg/Kg			04/13/22 10:50	1

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

Lab Sample ID: 880-13158-8

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/01/22 08:25	04/02/22 22:28	1
Toluene	0.00242	*- *1	0.00199		mg/Kg		04/01/22 08:25	04/02/22 22:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/01/22 08:25	04/02/22 22:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/01/22 08:25	04/02/22 22:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/01/22 08:25	04/02/22 22:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/01/22 08:25	04/02/22 22:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				04/01/22 08:25	04/02/22 22:28	1
1,4-Difluorobenzene (Surr)	102		70 - 130				04/01/22 08:25	04/02/22 22:28	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/04/22 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	122		50.0		mg/Kg			04/01/22 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/01/22 08:39	04/01/22 16:24	1
Diesel Range Organics (Over C10-C28)	59.5		50.0		mg/Kg		04/01/22 08:39	04/01/22 16:24	1
Oil Range Organics (Over C28-C36)	62.2		50.0		mg/Kg		04/01/22 08:39	04/01/22 16:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				04/01/22 08:39	04/01/22 16:24	1
o-Terphenyl	121		70 - 130				04/01/22 08:39	04/01/22 16:24	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1130		25.1		mg/Kg			04/13/22 10:59	5

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

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

Lab Sample ID: 880-13158-9

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/01/22 08:25	04/02/22 22:49	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		04/01/22 08:25	04/02/22 22:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/01/22 08:25	04/02/22 22:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/01/22 08:25	04/02/22 22:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/01/22 08:25	04/02/22 22:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/01/22 08:25	04/02/22 22:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	04/01/22 08:25	04/02/22 22:49	1
1,4-Difluorobenzene (Surr)	96		70 - 130	04/01/22 08:25	04/02/22 22:49	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/04/22 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	235		49.9		mg/Kg			04/01/22 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/01/22 08:43	04/01/22 11:23	1
Diesel Range Organics (Over C10-C28)	235		49.9		mg/Kg		04/01/22 08:43	04/01/22 11:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/01/22 08:43	04/01/22 11:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				04/01/22 08:43	04/01/22 11:23	1
o-Terphenyl	101		70 - 130				04/01/22 08:43	04/01/22 11:23	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1130		25.0		mg/Kg			04/13/22 11:08	5

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

Lab Sample ID: 880-13158-10

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/01/22 08:25	04/02/22 23:09	1
Toluene	<0.00198	U *- *1	0.00198		mg/Kg		04/01/22 08:25	04/02/22 23:09	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/01/22 08:25	04/02/22 23:09	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/01/22 08:25	04/02/22 23:09	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/01/22 08:25	04/02/22 23:09	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/01/22 08:25	04/02/22 23:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	04/01/22 08:25	04/02/22 23:09	1
1,4-Difluorobenzene (Surr)	97		70 - 130	04/01/22 08:25	04/02/22 23:09	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

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

Lab Sample ID: 880-13158-10

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/04/22 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	337		50.0		mg/Kg			04/01/22 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/01/22 08:43	04/01/22 17:28	1
Diesel Range Organics (Over C10-C28)	337		50.0		mg/Kg		04/01/22 08:43	04/01/22 17:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/01/22 08:43	04/01/22 17:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				04/01/22 08:43	04/01/22 17:28	1
o-Terphenyl	112		70 - 130				04/01/22 08:43	04/01/22 17:28	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		24.8		mg/Kg			04/13/22 11:17	5

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

Lab Sample ID: 880-13158-11

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/01/22 08:25	04/02/22 23:30	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		04/01/22 08:25	04/02/22 23:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/01/22 08:25	04/02/22 23:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/01/22 08:25	04/02/22 23:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/01/22 08:25	04/02/22 23:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/01/22 08:25	04/02/22 23:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				04/01/22 08:25	04/02/22 23:30	1
1,4-Difluorobenzene (Surr)	96		70 - 130				04/01/22 08:25	04/02/22 23:30	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/04/22 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	322		50.0		mg/Kg			04/01/22 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/01/22 08:43	04/01/22 17:50	1
Diesel Range Organics (Over C10-C28)	322		50.0		mg/Kg		04/01/22 08:43	04/01/22 17:50	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

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

## Lab Sample ID: 880-13158-11

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/01/22 08:43	04/01/22 17:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				04/01/22 08:43	04/01/22 17:50	1
o-Terphenyl	106		70 - 130				04/01/22 08:43	04/01/22 17:50	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1120		25.0		mg/Kg			04/13/22 11:26	5

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

## Lab Sample ID: 880-13158-12

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/01/22 08:25	04/02/22 23:50	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		04/01/22 08:25	04/02/22 23:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/01/22 08:25	04/02/22 23:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/01/22 08:25	04/02/22 23:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/01/22 08:25	04/02/22 23:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/01/22 08:25	04/02/22 23:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				04/01/22 08:25	04/02/22 23:50	1
1,4-Difluorobenzene (Surr)	99		70 - 130				04/01/22 08:25	04/02/22 23:50	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/04/22 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	205		49.9		mg/Kg			04/01/22 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/01/22 08:43	04/01/22 18:12	1
Diesel Range Organics (Over C10-C28)	205		49.9		mg/Kg		04/01/22 08:43	04/01/22 18:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/01/22 08:43	04/01/22 18:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				04/01/22 08:43	04/01/22 18:12	1
o-Terphenyl	119		70 - 130				04/01/22 08:43	04/01/22 18:12	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	244		5.04		mg/Kg			04/13/22 11:52	1

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## Surrogate Summary

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-13116-A-1-B MS	Matrix Spike	119	94
880-13116-A-1-C MSD	Matrix Spike Duplicate	108	100
880-13158-1	S-1 (0-0.5')	110	92
880-13158-2	S-2 (0-0.5')	109	102
880-13158-3	S-3 (0-0.5')	104	101
880-13158-4	S-4 (0-0.5')	114	95
880-13158-5	S-5 (0-0.5')	100	89
880-13158-6	S-6 (0-0.5')	111	93
880-13158-7	S-7 (0-0.5')	93	89
880-13158-8	H-1 (0-0.5')	112	102
880-13158-9	H-2 (0-0.5')	114	96
880-13158-10	H-3 (0-0.5')	114	97
880-13158-11	H-4 (0-0.5')	112	96
880-13158-12	H-5 (0-0.5')	106	99
LCS 880-22761/1-A	Lab Control Sample	103	99
LCSD 880-22761/2-A	Lab Control Sample Dup	100	101
MB 880-22456/5-A	Method Blank	98	97
MB 880-22761/5-A	Method Blank	97	98
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-13158-1	S-1 (0-0.5')	108	104
880-13158-1 MS	S-1 (0-0.5')	100	90
880-13158-1 MSD	S-1 (0-0.5')	101	94
880-13158-2	S-2 (0-0.5')	107	106
880-13158-3	S-3 (0-0.5')	109	108
880-13158-4	S-4 (0-0.5')	103	100
880-13158-5	S-5 (0-0.5')	109	104
880-13158-6	S-6 (0-0.5')	127	124
880-13158-7	S-7 (0-0.5')	134 S1+	136 S1+
880-13158-8	H-1 (0-0.5')	123	121
880-13158-9	H-2 (0-0.5')	104	101
880-13158-9 MS	H-2 (0-0.5')	109	94
880-13158-9 MSD	H-2 (0-0.5')	111	96
880-13158-10	H-3 (0-0.5')	111	112
880-13158-11	H-4 (0-0.5')	107	106
880-13158-12	H-5 (0-0.5')	115	119
LCS 880-22768/2-A	Lab Control Sample	120	104
LCS 880-22769/2-A	Lab Control Sample	100	88
LCSD 880-22768/3-A	Lab Control Sample Dup	125	111
LCSD 880-22769/3-A	Lab Control Sample Dup	110	97
MB 880-22768/1-A	Method Blank	136 S1+	140 S1+

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Surrogate Summary

Client: Carmona Resources

Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1

SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
MB 880-22769/1-A	Method Blank	133 S1+	139 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

## QC Sample Results

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-22456/5-A

Matrix: Solid

Analysis Batch: 22774

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 22456

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/28/22 09:57	04/02/22 03:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/22 09:57	04/02/22 03:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/22 09:57	04/02/22 03:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/28/22 09:57	04/02/22 03:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/22 09:57	04/02/22 03:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/28/22 09:57	04/02/22 03:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	03/28/22 09:57	04/02/22 03:46	1
1,4-Difluorobenzene (Surr)	97		70 - 130	03/28/22 09:57	04/02/22 03:46	1

Lab Sample ID: MB 880-22761/5-A

Matrix: Solid

Analysis Batch: 22774

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 22761

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/01/22 08:25	04/02/22 15:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/01/22 08:25	04/02/22 15:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/01/22 08:25	04/02/22 15:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/01/22 08:25	04/02/22 15:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/01/22 08:25	04/02/22 15:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/01/22 08:25	04/02/22 15:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	04/01/22 08:25	04/02/22 15:22	1
1,4-Difluorobenzene (Surr)	98		70 - 130	04/01/22 08:25	04/02/22 15:22	1

Lab Sample ID: LCS 880-22761/1-A

Matrix: Solid

Analysis Batch: 22774

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 22761

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09783		mg/Kg		98	70 - 130
Toluene	0.100	0.1103		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1146		mg/Kg		115	70 - 130
m-Xylene & p-Xylene	0.200	0.2290		mg/Kg		114	70 - 130
o-Xylene	0.100	0.1143		mg/Kg		114	70 - 130

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

Lab Sample ID: LCSD 880-22761/2-A

Matrix: Solid

Analysis Batch: 22774

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 22761

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09376		mg/Kg		94	70 - 130	4	35

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-22761/2-A

Matrix: Solid

Analysis Batch: 22774

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 22761

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.04892	*- *1	mg/Kg		49	70 - 130	77	35
Ethylbenzene	0.100	0.1095		mg/Kg		110	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2183		mg/Kg		109	70 - 130	5	35
o-Xylene	0.100	0.1085		mg/Kg		108	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-13116-A-1-B MS

Matrix: Solid

Analysis Batch: 22774

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 22761

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1 F2	0.0996	0.01503	F1	mg/Kg		15	70 - 130
Toluene	<0.00199	U *- *1 F1 F2	0.0996	0.01441	F1	mg/Kg		14	70 - 130
Ethylbenzene	<0.00199	U F1 F2	0.0996	0.01768	F1	mg/Kg		18	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.199	0.03854	F1	mg/Kg		19	70 - 130
o-Xylene	<0.00199	U F1 F2	0.0996	0.02356	F1	mg/Kg		24	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-13116-A-1-C MSD

Matrix: Solid

Analysis Batch: 22774

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 22761

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1 F2	0.0998	0.03514	F1 F2	mg/Kg		35	70 - 130	80	35
Toluene	<0.00199	U *- *1 F1 F2	0.0998	0.03462	F1 F2	mg/Kg		35	70 - 130	82	35
Ethylbenzene	<0.00199	U F1 F2	0.0998	0.03733	F1 F2	mg/Kg		37	70 - 130	71	35
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.200	0.08011	F1 F2	mg/Kg		40	70 - 130	70	35
o-Xylene	<0.00199	U F1 F2	0.0998	0.04388	F1 F2	mg/Kg		44	70 - 130	60	35

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

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-22768/1-A

Matrix: Solid

Analysis Batch: 22762

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 22768

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/01/22 08:39	04/01/22 10:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/01/22 08:39	04/01/22 10:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/01/22 08:39	04/01/22 10:19	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				04/01/22 08:39	04/01/22 10:19	1
o-Terphenyl	140	S1+	70 - 130				04/01/22 08:39	04/01/22 10:19	1

Lab Sample ID: LCS 880-22768/2-A

Matrix: Solid

Analysis Batch: 22762

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 22768

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	938.7		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1016		mg/Kg		102	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	120		70 - 130				
o-Terphenyl	104		70 - 130				

Lab Sample ID: LCSD 880-22768/3-A

Matrix: Solid

Analysis Batch: 22762

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 22768

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	957.4		mg/Kg		96	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1007		mg/Kg		101	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	125		70 - 130						
o-Terphenyl	111		70 - 130						

Lab Sample ID: 880-13158-1 MS

Matrix: Solid

Analysis Batch: 22762

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

Prep Type: Total/NA

Prep Batch: 22768

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	990.3		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	998	865.7		mg/Kg		84	70 - 130

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

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

Lab Sample ID: 880-13158-1 MS

Matrix: Solid

Analysis Batch: 22762

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

Prep Type: Total/NA

Prep Batch: 22768

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 880-13158-1 MSD

Matrix: Solid

Analysis Batch: 22762

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

Prep Type: Total/NA

Prep Batch: 22768

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	937.1		mg/Kg		94	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	902.4		mg/Kg		87	70 - 130	4	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: MB 880-22769/1-A

Matrix: Solid

Analysis Batch: 22764

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 22769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/01/22 08:43	04/01/22 10:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/01/22 08:43	04/01/22 10:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/01/22 08:43	04/01/22 10:19	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	133	S1+	70 - 130				04/01/22 08:43	04/01/22 10:19	1
o-Terphenyl	139	S1+	70 - 130				04/01/22 08:43	04/01/22 10:19	1

Lab Sample ID: LCS 880-22769/2-A

Matrix: Solid

Analysis Batch: 22764

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 22769

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1061		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	1000	863.3		mg/Kg		86	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	88		70 - 130

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-22769/3-A

Matrix: Solid

Analysis Batch: 22764

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 22769

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1102		mg/Kg		110	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	852.2		mg/Kg		85	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	110		70 - 130						
o-Terphenyl	97		70 - 130						

Lab Sample ID: 880-13158-9 MS

Matrix: Solid

Analysis Batch: 22764

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

Prep Type: Total/NA

Prep Batch: 22769

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: 880-13158-9 MSD

Matrix: Solid

Analysis Batch: 22764

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

Prep Type: Total/NA

Prep Batch: 22769

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1305		mg/Kg					
Diesel Range Organics (Over C10-C28)	235		1000	1087		mg/Kg					
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	111		70 - 130								
o-Terphenyl	96		70 - 130								

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-23148/1-A

Matrix: Solid

Analysis Batch: 23316

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/13/22 08:55	1

Lab Sample ID: LCS 880-23148/2-A

Matrix: Solid

Analysis Batch: 23316

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.0		mg/Kg		101	90 - 110

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-23148/3-A

Matrix: Solid

Analysis Batch: 23316

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	252.0		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-13158-1 MS

Matrix: Solid

Analysis Batch: 23316

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	891		1250	2200		mg/Kg		105	90 - 110		

Lab Sample ID: 880-13158-1 MSD

Matrix: Solid

Analysis Batch: 23316

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	891		1250	2168		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 880-13158-11 MS

Matrix: Solid

Analysis Batch: 23316

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1120		1250	2438		mg/Kg		106	90 - 110		

Lab Sample ID: 880-13158-11 MSD

Matrix: Solid

Analysis Batch: 23316

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1120		1250	2420		mg/Kg		104	90 - 110	1	20

## QC Association Summary

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

## GC VOA

## Prep Batch: 22456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-22456/5-A	Method Blank	Total/NA	Solid	5035	

## Prep Batch: 22761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13158-1	S-1 (0-0.5')	Total/NA	Solid	5035	
880-13158-2	S-2 (0-0.5')	Total/NA	Solid	5035	
880-13158-3	S-3 (0-0.5')	Total/NA	Solid	5035	
880-13158-4	S-4 (0-0.5')	Total/NA	Solid	5035	
880-13158-5	S-5 (0-0.5')	Total/NA	Solid	5035	
880-13158-6	S-6 (0-0.5')	Total/NA	Solid	5035	
880-13158-7	S-7 (0-0.5')	Total/NA	Solid	5035	
880-13158-8	H-1 (0-0.5')	Total/NA	Solid	5035	
880-13158-9	H-2 (0-0.5')	Total/NA	Solid	5035	
880-13158-10	H-3 (0-0.5')	Total/NA	Solid	5035	
880-13158-11	H-4 (0-0.5')	Total/NA	Solid	5035	
880-13158-12	H-5 (0-0.5')	Total/NA	Solid	5035	
MB 880-22761/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-22761/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-22761/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-13116-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-13116-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 22774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13158-1	S-1 (0-0.5')	Total/NA	Solid	8021B	22761
880-13158-2	S-2 (0-0.5')	Total/NA	Solid	8021B	22761
880-13158-3	S-3 (0-0.5')	Total/NA	Solid	8021B	22761
880-13158-4	S-4 (0-0.5')	Total/NA	Solid	8021B	22761
880-13158-5	S-5 (0-0.5')	Total/NA	Solid	8021B	22761
880-13158-6	S-6 (0-0.5')	Total/NA	Solid	8021B	22761
880-13158-7	S-7 (0-0.5')	Total/NA	Solid	8021B	22761
880-13158-8	H-1 (0-0.5')	Total/NA	Solid	8021B	22761
880-13158-9	H-2 (0-0.5')	Total/NA	Solid	8021B	22761
880-13158-10	H-3 (0-0.5')	Total/NA	Solid	8021B	22761
880-13158-11	H-4 (0-0.5')	Total/NA	Solid	8021B	22761
880-13158-12	H-5 (0-0.5')	Total/NA	Solid	8021B	22761
MB 880-22456/5-A	Method Blank	Total/NA	Solid	8021B	22456
MB 880-22761/5-A	Method Blank	Total/NA	Solid	8021B	22761
LCS 880-22761/1-A	Lab Control Sample	Total/NA	Solid	8021B	22761
LCSD 880-22761/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	22761
880-13116-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	22761
880-13116-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	22761

## Analysis Batch: 22941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13158-1	S-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-13158-2	S-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-13158-3	S-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-13158-4	S-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-13158-5	S-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-13158-6	S-6 (0-0.5')	Total/NA	Solid	Total BTEX	

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## QC Association Summary

Client: Carmona Resources  
 Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
 SDG: Eddy Co, NM

## GC VOA (Continued)

## Analysis Batch: 22941 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13158-7	S-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-13158-8	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-13158-9	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-13158-10	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-13158-11	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-13158-12	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Analysis Batch: 22762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13158-1	S-1 (0-0.5')	Total/NA	Solid	8015B NM	22768
880-13158-2	S-2 (0-0.5')	Total/NA	Solid	8015B NM	22768
880-13158-3	S-3 (0-0.5')	Total/NA	Solid	8015B NM	22768
880-13158-4	S-4 (0-0.5')	Total/NA	Solid	8015B NM	22768
880-13158-5	S-5 (0-0.5')	Total/NA	Solid	8015B NM	22768
880-13158-6	S-6 (0-0.5')	Total/NA	Solid	8015B NM	22768
880-13158-7	S-7 (0-0.5')	Total/NA	Solid	8015B NM	22768
880-13158-8	H-1 (0-0.5')	Total/NA	Solid	8015B NM	22768
MB 880-22768/1-A	Method Blank	Total/NA	Solid	8015B NM	22768
LCS 880-22768/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	22768
LCSD 880-22768/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	22768
880-13158-1 MS	S-1 (0-0.5')	Total/NA	Solid	8015B NM	22768
880-13158-1 MSD	S-1 (0-0.5')	Total/NA	Solid	8015B NM	22768

## Analysis Batch: 22764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13158-9	H-2 (0-0.5')	Total/NA	Solid	8015B NM	22769
880-13158-10	H-3 (0-0.5')	Total/NA	Solid	8015B NM	22769
880-13158-11	H-4 (0-0.5')	Total/NA	Solid	8015B NM	22769
880-13158-12	H-5 (0-0.5')	Total/NA	Solid	8015B NM	22769
MB 880-22769/1-A	Method Blank	Total/NA	Solid	8015B NM	22769
LCS 880-22769/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	22769
LCSD 880-22769/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	22769
880-13158-9 MS	H-2 (0-0.5')	Total/NA	Solid	8015B NM	22769
880-13158-9 MSD	H-2 (0-0.5')	Total/NA	Solid	8015B NM	22769

## Prep Batch: 22768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13158-1	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-13158-2	S-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-13158-3	S-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-13158-4	S-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-13158-5	S-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-13158-6	S-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-13158-7	S-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-13158-8	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-22768/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-22768/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-22768/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-13158-1 MS	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
 Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
 SDG: Eddy Co, NM

## GC Semi VOA (Continued)

## Prep Batch: 22768 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13158-1 MSD	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

## Prep Batch: 22769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13158-9	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-13158-10	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-13158-11	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-13158-12	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-22769/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-22769/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-22769/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-13158-9 MS	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-13158-9 MSD	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 22844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13158-1	S-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-13158-2	S-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-13158-3	S-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-13158-4	S-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-13158-5	S-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-13158-6	S-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-13158-7	S-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-13158-8	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-13158-9	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-13158-10	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-13158-11	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-13158-12	H-5 (0-0.5')	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 23148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13158-1	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-13158-2	S-2 (0-0.5')	Soluble	Solid	DI Leach	
880-13158-3	S-3 (0-0.5')	Soluble	Solid	DI Leach	
880-13158-4	S-4 (0-0.5')	Soluble	Solid	DI Leach	
880-13158-5	S-5 (0-0.5')	Soluble	Solid	DI Leach	
880-13158-6	S-6 (0-0.5')	Soluble	Solid	DI Leach	
880-13158-7	S-7 (0-0.5')	Soluble	Solid	DI Leach	
880-13158-8	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-13158-9	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-13158-10	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-13158-11	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-13158-12	H-5 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-23148/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-23148/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-23148/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-13158-1 MS	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-13158-1 MSD	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-13158-11 MS	H-4 (0-0.5')	Soluble	Solid	DI Leach	

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
 Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
 SDG: Eddy Co, NM

## HPLC/IC (Continued)

## Leach Batch: 23148 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13158-11 MSD	H-4 (0-0.5')	Soluble	Solid	DI Leach	

## Analysis Batch: 23316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13158-1	S-1 (0-0.5')	Soluble	Solid	300.0	23148
880-13158-2	S-2 (0-0.5')	Soluble	Solid	300.0	23148
880-13158-3	S-3 (0-0.5')	Soluble	Solid	300.0	23148
880-13158-4	S-4 (0-0.5')	Soluble	Solid	300.0	23148
880-13158-5	S-5 (0-0.5')	Soluble	Solid	300.0	23148
880-13158-6	S-6 (0-0.5')	Soluble	Solid	300.0	23148
880-13158-7	S-7 (0-0.5')	Soluble	Solid	300.0	23148
880-13158-8	H-1 (0-0.5')	Soluble	Solid	300.0	23148
880-13158-9	H-2 (0-0.5')	Soluble	Solid	300.0	23148
880-13158-10	H-3 (0-0.5')	Soluble	Solid	300.0	23148
880-13158-11	H-4 (0-0.5')	Soluble	Solid	300.0	23148
880-13158-12	H-5 (0-0.5')	Soluble	Solid	300.0	23148
MB 880-23148/1-A	Method Blank	Soluble	Solid	300.0	23148
LCS 880-23148/2-A	Lab Control Sample	Soluble	Solid	300.0	23148
LCSD 880-23148/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	23148
880-13158-1 MS	S-1 (0-0.5')	Soluble	Solid	300.0	23148
880-13158-1 MSD	S-1 (0-0.5')	Soluble	Solid	300.0	23148
880-13158-11 MS	H-4 (0-0.5')	Soluble	Solid	300.0	23148
880-13158-11 MSD	H-4 (0-0.5')	Soluble	Solid	300.0	23148

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

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

Lab Sample ID: 880-13158-1

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	22761	04/01/22 08:25	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22774	04/02/22 18:35	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22941	04/04/22 12:24	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22844	04/01/22 17:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	22768	04/01/22 08:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22762	04/01/22 11:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	23148	04/07/22 12:41	SC	XEN MID
Soluble	Analysis	300.0		5			23316	04/13/22 09:22	SC	XEN MID

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

Lab Sample ID: 880-13158-2

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	22761	04/01/22 08:25	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22774	04/02/22 18:55	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22941	04/04/22 12:24	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22844	04/01/22 17:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	22768	04/01/22 08:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22762	04/01/22 12:27	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	23148	04/07/22 12:41	SC	XEN MID
Soluble	Analysis	300.0		5			23316	04/13/22 09:48	SC	XEN MID

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

Lab Sample ID: 880-13158-3

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	22761	04/01/22 08:25	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22774	04/02/22 20:46	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22941	04/04/22 12:24	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22844	04/01/22 17:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	22768	04/01/22 08:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22762	04/01/22 14:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	23148	04/07/22 12:41	SC	XEN MID
Soluble	Analysis	300.0		5			23316	04/13/22 09:57	SC	XEN MID

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

Lab Sample ID: 880-13158-4

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	22761	04/01/22 08:25	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22774	04/02/22 21:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22941	04/04/22 12:24	AJ	XEN MID

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

## Client Sample ID: S-4 (0-0.5')

## Lab Sample ID: 880-13158-4

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			22844	04/01/22 17:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	22768	04/01/22 08:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22762	04/01/22 14:36	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	23148	04/07/22 12:41	SC	XEN MID
Soluble	Analysis	300.0		5			23316	04/13/22 10:06	SC	XEN MID

## Client Sample ID: S-5 (0-0.5')

## Lab Sample ID: 880-13158-5

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	22761	04/01/22 08:25	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22774	04/02/22 21:27	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22941	04/04/22 12:24	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22844	04/01/22 17:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	22768	04/01/22 08:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22762	04/01/22 14:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	23148	04/07/22 12:41	SC	XEN MID
Soluble	Analysis	300.0		5			23316	04/13/22 10:15	SC	XEN MID

## Client Sample ID: S-6 (0-0.5')

## Lab Sample ID: 880-13158-6

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	22761	04/01/22 08:25	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22774	04/02/22 21:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22941	04/04/22 12:24	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22844	04/01/22 17:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	22768	04/01/22 08:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22762	04/01/22 15:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	23148	04/07/22 12:41	SC	XEN MID
Soluble	Analysis	300.0		5			23316	04/13/22 10:41	SC	XEN MID

## Client Sample ID: S-7 (0-0.5')

## Lab Sample ID: 880-13158-7

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	22761	04/01/22 08:25	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22774	04/02/22 22:08	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22941	04/04/22 12:24	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22844	04/01/22 17:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	22768	04/01/22 08:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22762	04/01/22 16:02	AJ	XEN MID

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

## Client Sample ID: S-7 (0-0.5')

## Lab Sample ID: 880-13158-7

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	23148	04/07/22 12:41	SC	XEN MID
Soluble	Analysis	300.0		1			23316	04/13/22 10:50	SC	XEN MID

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

## Lab Sample ID: 880-13158-8

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	22761	04/01/22 08:25	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22774	04/02/22 22:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22941	04/04/22 12:24	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22844	04/01/22 17:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	22768	04/01/22 08:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22762	04/01/22 16:24	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	23148	04/07/22 12:41	SC	XEN MID
Soluble	Analysis	300.0		5			23316	04/13/22 10:59	SC	XEN MID

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

## Lab Sample ID: 880-13158-9

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	22761	04/01/22 08:25	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22774	04/02/22 22:49	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22941	04/04/22 12:24	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22844	04/01/22 17:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	22769	04/01/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22764	04/01/22 11:23	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	23148	04/07/22 12:41	SC	XEN MID
Soluble	Analysis	300.0		5			23316	04/13/22 11:08	SC	XEN MID

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

## Lab Sample ID: 880-13158-10

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	22761	04/01/22 08:25	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22774	04/02/22 23:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22941	04/04/22 12:24	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22844	04/01/22 17:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	22769	04/01/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22764	04/01/22 17:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	23148	04/07/22 12:41	SC	XEN MID
Soluble	Analysis	300.0		5			23316	04/13/22 11:17	SC	XEN MID

Eurofins Midland



## Lab Chronicle

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

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

Lab Sample ID: 880-13158-11

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	22761	04/01/22 08:25	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22774	04/02/22 23:30	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22941	04/04/22 12:24	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22844	04/01/22 17:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	22769	04/01/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22764	04/01/22 17:50	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	23148	04/07/22 12:41	SC	XEN MID
Soluble	Analysis	300.0		5			23316	04/13/22 11:26	SC	XEN MID

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

Lab Sample ID: 880-13158-12

Date Collected: 03/24/22 00:00

Matrix: Solid

Date Received: 03/31/22 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	22761	04/01/22 08:25	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22774	04/02/22 23:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22941	04/04/22 12:24	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22844	04/01/22 17:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	22769	04/01/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22764	04/01/22 18:12	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	23148	04/07/22 12:41	SC	XEN MID
Soluble	Analysis	300.0		1			23316	04/13/22 11:52	SC	XEN MID

## Laboratory References:

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

**Accreditation/Certification Summary**

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

**Laboratory: Eurofins Midland**

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

## Method Summary

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

**Protocol References:**

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

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

## Sample Summary

Client: Carmona Resources  
Project/Site: Jameson 26 Fed #4 (3.14.22)

Job ID: 880-13158-1  
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-13158-1	S-1 (0-0.5')	Solid	03/24/22 00:00	03/31/22 16:14
880-13158-2	S-2 (0-0.5')	Solid	03/24/22 00:00	03/31/22 16:14
880-13158-3	S-3 (0-0.5')	Solid	03/24/22 00:00	03/31/22 16:14
880-13158-4	S-4 (0-0.5')	Solid	03/24/22 00:00	03/31/22 16:14
880-13158-5	S-5 (0-0.5')	Solid	03/24/22 00:00	03/31/22 16:14
880-13158-6	S-6 (0-0.5')	Solid	03/24/22 00:00	03/31/22 16:14
880-13158-7	S-7 (0-0.5')	Solid	03/24/22 00:00	03/31/22 16:14
880-13158-8	H-1 (0-0.5')	Solid	03/24/22 00:00	03/31/22 16:14
880-13158-9	H-2 (0-0.5')	Solid	03/24/22 00:00	03/31/22 16:14
880-13158-10	H-3 (0-0.5')	Solid	03/24/22 00:00	03/31/22 16:14
880-13158-11	H-4 (0-0.5')	Solid	03/24/22 00:00	03/31/22 16:14
880-13158-12	H-5 (0-0.5')	Solid	03/24/22 00:00	03/31/22 16:14

Project Manager	Conner Moehring	Bill to (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 W Wall St Ste 415	Address	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving, NM 88256
Phone	432-813-6823	Email	<a href="mailto:jacquiharris@conocophillips.com">jacquiharris@conocophillips.com</a>



Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> brownfields <input type="checkbox"/> RRC <input type="checkbox"/> superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____	

Project Name		Jameson 26 Fed #4 (3 14 22)		Turn Around													
Project Number		1032		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush													
Project Location		Eddy Co. NM		Due Date													
Sampler's Name		CRM		TAT starts the day received by the lab if received by 4:30pm													
PO #:																	
<b>SAMPLE RECEIPT</b>		Temp Blank.		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Wet Ice		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>									
Received Inact.		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID				1129									
Cooler Custody Seals		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Correction Factor				-1.1									
Sample Custody Seals		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Temperature Reading				2.4									
Total Containers.				Corrected Temperature.				2.5									
<b>Parameters</b>												Pres. Code					
BTEX 8021B																	
H 8015M ( GRO + DRO + MRO)																	
Chloride 300 0																	
<b>HOLD</b>																	
None														NO		DI Water- H <sub>2</sub> O	
Cool														Cool		MeOH Me	
HCL														HC		HNO <sub>3</sub> HN	
H <sub>2</sub> SO <sub>4</sub>														H <sub>2</sub>		NaOH Na	
H <sub>3</sub> PO <sub>4</sub>														HP			
NaHSO <sub>4</sub>														NABIS			
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>														NaSO <sub>3</sub>			
Zn Acetate+NaOH														Zn			
NaOH+Ascorbic Acid														SAPC			

[illegible]

**Additoinal Comments:**

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$6 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 	Veronica Rodriguez	3/31/22	2		
3 		10/14	4		
5			6		

Revised Date 05012020 Rev 2020.



880-13158 Chain of Custody

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Loc: 880  
13158  
Work Order No.:

Page 2 of 2

Project Manager	Conner Moehring	Bill to (if different)	Jacqu Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 W Wall St Ste 415	Address	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving, NM 88256
Phone	432-813-6823	Email	jacquharris@comconphillips.com

Project Name		Jameson 26 Fed #4 (3 14 22)
Project Number	1032	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Location	Eddy Co. NM	Due Date
Sampler's Name	CRM	TAT starts the day received by the lab, if received by 4:30pm
PO #		

SAMPLE RECEIPT	
Received Intact	Temp Blank Yes (No) No
Cooler Custody Seals	Yes No (N/A)
Sample Custody Seals	Yes No (N/A)
Total Containers	Corrected Temperature 2.3

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont
H-4 (0-0 5')	3/24/2022		X		G	1
H-5 (0-0 5')	3/24/2022		X		G	1

ANALYSIS REQUEST

Preservative Codes

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

Sample Comments

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		3/31/22			
		16:14			



## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-13158-1

SDG Number: Eddy Co, NM

Login Number: 13158

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



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

June 03, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: JAMESON 26 FED #4

Enclosed are the results of analyses for samples received by the laboratory on 06/02/22 14:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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: 06/02/2022  
 Reported: 06/03/2022  
 Project Name: JAMESON 26 FED #4  
 Project Number: 1032 ( 03.14.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 06/02/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: CS - 1 ( 0.5' ) (H222338-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/02/2022	ND	2.18	109	2.00	10.9		
Toluene*	<0.050	0.050	06/02/2022	ND	2.16	108	2.00	10.6		
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	2.09	105	2.00	11.1		
Total Xylenes*	<0.150	0.150	06/02/2022	ND	6.44	107	6.00	10.5		
Total BTEX	<0.300	0.300	06/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 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	32.0	16.0	06/03/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/02/2022	ND	207	104	200	6.66	
DRO >C10-C28*	<10.0	10.0	06/02/2022	ND	195	97.3	200	7.55	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/02/2022  
 Reported: 06/03/2022  
 Project Name: JAMESON 26 FED #4  
 Project Number: 1032 ( 03.14.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 06/02/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: CS - 2 ( 0.5' ) (H222338-02)**

BTX 8021B		mg/ kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/02/2022	ND	2.18	109	2.00	10.9		
Toluene*	<0.050	0.050	06/02/2022	ND	2.16	108	2.00	10.6		
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	2.09	105	2.00	11.1		
Total Xylenes*	<0.150	0.150	06/02/2022	ND	6.44	107	6.00	10.5		
Total BTX	<0.300	0.300	06/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	16.0	16.0	06/03/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/02/2022	ND	207	104	200	6.66	
DRO >C10-C28*	<10.0	10.0	06/02/2022	ND	195	97.3	200	7.55	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 90.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/02/2022  
 Reported: 06/03/2022  
 Project Name: JAMESON 26 FED #4  
 Project Number: 1032 ( 03.14.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 06/02/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: CS - 3 ( 0.5' ) (H222338-03)**

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	06/02/2022	ND	2.18	109	2.00	10.9	
Toluene*	<0.050	0.050	06/02/2022	ND	2.16	108	2.00	10.6	
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	2.09	105	2.00	11.1	
Total Xylenes*	<0.150	0.150	06/02/2022	ND	6.44	107	6.00	10.5	
Total BTX	<0.300	0.300	06/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	06/03/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/02/2022	ND	207	104	200	6.66	
<b>DRO &gt;C10-C28*</b>	<b>11.8</b>	10.0	06/02/2022	ND	195	97.3	200	7.55	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/02/2022  
 Reported: 06/03/2022  
 Project Name: JAMESON 26 FED #4  
 Project Number: 1032 ( 03.14.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 06/02/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: CS - 4 ( 0.5' ) (H222338-04)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/02/2022	ND	2.18	109	2.00	10.9		
Toluene*	<0.050	0.050	06/02/2022	ND	2.16	108	2.00	10.6		
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	2.09	105	2.00	11.1		
Total Xylenes*	<0.150	0.150	06/02/2022	ND	6.44	107	6.00	10.5		
Total BTEx	<0.300	0.300	06/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	06/03/2022	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	06/02/2022	ND	207	104	200	6.66	
DRO >C10-C28*	<10.0	10.0	06/02/2022	ND	195	97.3	200	7.55	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 06/02/2022  
 Reported: 06/03/2022  
 Project Name: JAMESON 26 FED #4  
 Project Number: 1032 ( 03.14.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 06/02/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: CS - 5 ( 0.5' ) (H222338-05)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/02/2022	ND	2.18	109	2.00	10.9		
Toluene*	<0.050	0.050	06/02/2022	ND	2.16	108	2.00	10.6		
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	2.09	105	2.00	11.1		
Total Xylenes*	<0.150	0.150	06/02/2022	ND	6.44	107	6.00	10.5		
Total BTEX	<0.300	0.300	06/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	06/03/2022	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	06/02/2022	ND	207	104	200	6.66	
DRO >C10-C28*	<10.0	10.0	06/02/2022	ND	195	97.3	200	7.55	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/02/2022  
 Reported: 06/03/2022  
 Project Name: JAMESON 26 FED #4  
 Project Number: 1032 ( 03.14.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 06/02/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: CS - 6 ( 0.5' ) (H222338-06)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/02/2022	ND	2.18	109	2.00	10.9		
Toluene*	<0.050	0.050	06/02/2022	ND	2.16	108	2.00	10.6		
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	2.09	105	2.00	11.1		
Total Xylenes*	<0.150	0.150	06/02/2022	ND	6.44	107	6.00	10.5		
Total BTEx	<0.300	0.300	06/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	06/03/2022	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	06/02/2022	ND	207	104	200	6.66	
DRO >C10-C28*	<10.0	10.0	06/02/2022	ND	195	97.3	200	7.55	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/02/2022  
 Reported: 06/03/2022  
 Project Name: JAMESON 26 FED #4  
 Project Number: 1032 ( 03.14.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 06/02/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: CS - 7 ( 0.5' ) (H222338-07)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2022	ND	2.18	109	2.00	10.9	
Toluene*	<0.050	0.050	06/02/2022	ND	2.16	108	2.00	10.6	
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	2.09	105	2.00	11.1	
Total Xylenes*	<0.150	0.150	06/02/2022	ND	6.44	107	6.00	10.5	
Total BTX	<0.300	0.300	06/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	16.0	16.0	06/03/2022	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	06/02/2022	ND	207	104	200	6.66	
DRO >C10-C28*	10.6	10.0	06/02/2022	ND	195	97.3	200	7.55	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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**Analytical Results For:**

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

Received: 06/02/2022  
 Reported: 06/03/2022  
 Project Name: JAMESON 26 FED #4  
 Project Number: 1032 ( 03.14.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 06/02/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: CS - 8 ( 0.5' ) (H222338-08)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2022	ND	2.18	109	2.00	10.9	
Toluene*	<0.050	0.050	06/02/2022	ND	2.16	108	2.00	10.6	
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	2.09	105	2.00	11.1	
Total Xylenes*	<0.150	0.150	06/02/2022	ND	6.44	107	6.00	10.5	
Total BTX	<0.300	0.300	06/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	16.0	16.0	06/03/2022	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	06/02/2022	ND	207	104	200	6.66	
DRO >C10-C28*	<10.0	10.0	06/02/2022	ND	195	97.3	200	7.55	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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**Analytical Results For:**

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

Received: 06/02/2022  
 Reported: 06/03/2022  
 Project Name: JAMESON 26 FED #4  
 Project Number: 1032 ( 03.14.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 06/02/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: CS - 9 ( 0.5' ) (H222338-09)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2022	ND	2.18	109	2.00	10.9	
Toluene*	<0.050	0.050	06/02/2022	ND	2.16	108	2.00	10.6	
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	2.09	105	2.00	11.1	
Total Xylenes*	<0.150	0.150	06/02/2022	ND	6.44	107	6.00	10.5	
Total BTEX	<0.300	0.300	06/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	32.0	16.0	06/03/2022	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	06/02/2022	ND	207	104	200	6.66	
DRO >C10-C28*	<10.0	10.0	06/02/2022	ND	195	97.3	200	7.55	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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**Analytical Results For:**

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

Received: 06/02/2022  
 Reported: 06/03/2022  
 Project Name: JAMESON 26 FED #4  
 Project Number: 1032 ( 03.14.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 06/02/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: CS - 10 ( 0.5' ) (H222338-10)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2022	ND	2.18	109	2.00	10.9	
Toluene*	<0.050	0.050	06/02/2022	ND	2.16	108	2.00	10.6	
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	2.09	105	2.00	11.1	
Total Xylenes*	<0.150	0.150	06/02/2022	ND	6.44	107	6.00	10.5	
Total BTEx	<0.300	0.300	06/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	06/03/2022	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	06/02/2022	ND	207	104	200	6.66	
DRO >C10-C28*	<10.0	10.0	06/02/2022	ND	195	97.3	200	7.55	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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**Analytical Results For:**

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

Received: 06/02/2022  
 Reported: 06/03/2022  
 Project Name: JAMESON 26 FED #4  
 Project Number: 1032 ( 03.14.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 06/02/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: CS - 11 ( 0.5' ) (H222338-11)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2022	ND	2.18	109	2.00	10.9	
Toluene*	<0.050	0.050	06/02/2022	ND	2.16	108	2.00	10.6	
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	2.09	105	2.00	11.1	
Total Xylenes*	<0.150	0.150	06/02/2022	ND	6.44	107	6.00	10.5	
Total BTEx	<0.300	0.300	06/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	16.0	16.0	06/03/2022	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	06/02/2022	ND	207	104	200	6.66	
DRO >C10-C28*	<10.0	10.0	06/02/2022	ND	195	97.3	200	7.55	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 97.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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**Analytical Results For:**

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

Received: 06/02/2022  
 Reported: 06/03/2022  
 Project Name: JAMESON 26 FED #4  
 Project Number: 1032 ( 03.14.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 06/02/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: CS - 12 ( 0.5' ) (H222338-12)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2022	ND	2.18	109	2.00	10.9	
Toluene*	<0.050	0.050	06/02/2022	ND	2.16	108	2.00	10.6	
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	2.09	105	2.00	11.1	
Total Xylenes*	<0.150	0.150	06/02/2022	ND	6.44	107	6.00	10.5	
Total BTEX	<0.300	0.300	06/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	32.0	16.0	06/03/2022	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	06/02/2022	ND	207	104	200	6.66	
DRO >C10-C28*	<10.0	10.0	06/02/2022	ND	195	97.3	200	7.55	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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**Analytical Results For:**

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

Received: 06/02/2022  
 Reported: 06/03/2022  
 Project Name: JAMESON 26 FED #4  
 Project Number: 1032 ( 03.14.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 06/02/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: CS - 13 ( 0.5' ) (H222338-13)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/02/2022	ND	2.18	109	2.00	10.9		
Toluene*	<0.050	0.050	06/02/2022	ND	2.16	108	2.00	10.6		
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	2.09	105	2.00	11.1		
Total Xylenes*	<0.150	0.150	06/02/2022	ND	6.44	107	6.00	10.5		
Total BTEx	<0.300	0.300	06/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	16.0	16.0	06/03/2022	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	06/02/2022	ND	207	104	200	6.66	
DRO >C10-C28*	<10.0	10.0	06/02/2022	ND	195	97.3	200	7.55	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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**Analytical Results For:**

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

Received: 06/02/2022  
 Reported: 06/03/2022  
 Project Name: JAMESON 26 FED #4  
 Project Number: 1032 ( 03.14.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 06/02/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: CS - 14 ( 0.5' ) (H222338-14)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2022	ND	2.18	109	2.00	10.9	
Toluene*	<0.050	0.050	06/02/2022	ND	2.16	108	2.00	10.6	
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	2.09	105	2.00	11.1	
Total Xylenes*	<0.150	0.150	06/02/2022	ND	6.44	107	6.00	10.5	
Total BTEx	<0.300	0.300	06/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	32.0	16.0	06/03/2022	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	06/02/2022	ND	207	104	200	6.66	
DRO >C10-C28*	<10.0	10.0	06/02/2022	ND	195	97.3	200	7.55	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/02/2022  
 Reported: 06/03/2022  
 Project Name: JAMESON 26 FED #4  
 Project Number: 1032 ( 03.14.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 06/02/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SW - 1 ( 0.5' ) (H222338-15)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2022	ND	2.07	104	2.00	9.62	
Toluene*	<0.050	0.050	06/02/2022	ND	2.04	102	2.00	9.07	
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	1.88	94.2	2.00	8.89	
Total Xylenes*	<0.150	0.150	06/02/2022	ND	5.84	97.3	6.00	8.30	
Total BTEx	<0.300	0.300	06/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	06/03/2022	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	06/02/2022	ND	207	104	200	6.66	
DRO >C10-C28*	12.4	10.0	06/02/2022	ND	195	97.3	200	7.55	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/02/2022  
 Reported: 06/03/2022  
 Project Name: JAMESON 26 FED #4  
 Project Number: 1032 ( 03.14.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 06/02/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SW - 2 ( 0.5' ) (H222338-16)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2022	ND	2.07	104	2.00	9.62	
Toluene*	<0.050	0.050	06/02/2022	ND	2.04	102	2.00	9.07	
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	1.88	94.2	2.00	8.89	
Total Xylenes*	<0.150	0.150	06/02/2022	ND	5.84	97.3	6.00	8.30	
Total BTEX	<0.300	0.300	06/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	06/03/2022	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	06/02/2022	ND	207	104	200	6.66	
DRO >C10-C28*	<10.0	10.0	06/02/2022	ND	195	97.3	200	7.55	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 06/02/2022  
 Reported: 06/03/2022  
 Project Name: JAMESON 26 FED #4  
 Project Number: 1032 ( 03.14.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 06/02/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SW - 3 ( 0.5' ) (H222338-17)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2022	ND	2.07	104	2.00	9.62	
Toluene*	<0.050	0.050	06/02/2022	ND	2.04	102	2.00	9.07	
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	1.88	94.2	2.00	8.89	
Total Xylenes*	<0.150	0.150	06/02/2022	ND	5.84	97.3	6.00	8.30	
Total BTEX	<0.300	0.300	06/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	06/03/2022	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	06/02/2022	ND	207	104	200	6.66	
DRO >C10-C28*	<10.0	10.0	06/02/2022	ND	195	97.3	200	7.55	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/02/2022  
 Reported: 06/03/2022  
 Project Name: JAMESON 26 FED #4  
 Project Number: 1032 ( 03.14.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 06/02/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SW - 4 ( 0.5' ) (H222338-18)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/02/2022	ND	2.07	104	2.00	9.62		
Toluene*	<0.050	0.050	06/02/2022	ND	2.04	102	2.00	9.07		
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	1.88	94.2	2.00	8.89		
Total Xylenes*	<0.150	0.150	06/02/2022	ND	5.84	97.3	6.00	8.30		
Total BTEx	<0.300	0.300	06/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	06/03/2022	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	06/02/2022	ND	207	104	200	6.66	
DRO >C10-C28*	11.1	10.0	06/02/2022	ND	195	97.3	200	7.55	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 96.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.3 % 59.5-142

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### Notes and Definitions

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

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

---

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H2224338

Page 1 of 2

Project Manager:	Conner Moehring	Bill to: (if different)	Jacqui Harris
Company Name:	Carmona Resources	Company Name:	COG
Address:	310 W Wall St Ste 415	Address:	15 W London Rd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Loving, NM 88256
Phone:	432-813-6823	Email:	jacquiharris@conocophillips.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/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:	Jameson 26 Fed #4 (3.14.22)	Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes				
Project Number:	1032	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush												None: NO	DI Water: H <sub>2</sub> O			
Project Location:	Eddy Co. NM	Due Date:	24 Hour												Cool: Cool	MeOH: Me			
Sampler's Name:	CCM	TAT starts the day received by the lab, if received by 4:30pm														HCL: HC	HNO <sub>3</sub> : HN		
PO #:																H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters										H <sub>3</sub> PO <sub>4</sub> : HP			
Received 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	
1	CS-1 (0.5')	6/2/2022		X		Comp	1	X	X	X									
2	CS-2 (0.5')	6/2/2022		X		Comp	1	X	X	X									
3	CS-3 (0.5')	6/2/2022		X		Comp	1	X	X	X									
4	CS-4 (0.5')	6/2/2022		X		Comp	1	X	X	X									
5	CS-5 (0.5')	6/2/2022		X		Comp	1	X	X	X									
6	CS-6 (0.5')	6/2/2022		X		Comp	1	X	X	X									
7	CS-7 (0.5')	6/2/2022		X		Comp	1	X	X	X									
8	CS-8 (0.5')	6/2/2022		X		Comp	1	X	X	X									
9	CS-9 (0.5')	6/2/2022		X		Comp	1	X	X	X									
10	CS-10 (0.5')	6/2/2022		X		Comp	1	X	X	X									

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		6/2/22			
		14:10			



Chain of Custody

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

Page 2 of 2

Project Manager:	Conner Moehring	Bill To: (if different)	Jacqui Harris
Company Name:	Carmona Resources	Company Name:	COG
Address:	310 W Wall St Ste 415	Address:	15 W London Rd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Loving NM 88256
Phone:	432-813-6823	Email:	jacquiharris@comocphillips.com

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

Project Name:	Jameson 26 Fed #4 (3.14.22)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes			
Project Number:	1032																	None: NO	DI Water: H <sub>2</sub> O		
Project Location:	Eddy Co. NM	Due Date:	24 Hour															Cool: Cool	MeOH: Me		
Sampler's Name:	CCM	TAT starts the day received by the lab, if received by 4:30pm																HCL: HC	HNO <sub>3</sub> : HN		
PO #:																		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H <sub>3</sub> PO <sub>4</sub> : HP			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:																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	
11	CS-11 (0.5')	6/2/2022		X		Comp	1	X	X	X											
12	CS-12 (0.5')	6/2/2022		X		Comp	1	X	X	X											
13	CS-13 (0.5')	6/2/2022		X		Comp	1	X	X	X											
14	CS-14 (0.5')	6/2/2022		X		Comp	1	X	X	X											
15	SW-1 (0.5')	6/2/2022		X		Comp	1	X	X	X											
16	SW-2 (0.5')	6/2/2022		X		Comp	1	X	X	X											
17	SW-3 (0.5')	6/2/2022		X		Comp	1	X	X	X											
18	SW-4 (0.5')	6/2/2022		X		Comp	1	X	X	X											

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	6/2/22 14:13			
5					

Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_  
Signature: Jaqui Morris Date: 6/17/2022  
email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: Robert Hamlet Date: 7/14/2022

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Robert Hamlet Date: 7/14/2022  
Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced



**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 118326

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 118326
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2209135688 JAMESON 26 FEDERAL COM 004H, thank you. This closure is approved.	7/14/2022