



SITE INFORMATION

Closure Report
Red Hill Unit #102
Incident ID: NAPP2509152420
Lea County, New Mexico
Unit P Sec 01 T25S R30E
32.153677°, -103.519733°

Produced Water Release
Point of Release: Equipment Failure (Separator)
Release Date: 08/19/2024
Volume Released: 10 Barrels of Produced Water
Volume Recovered: 1 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
EOG Resources
5509 Champions Drive
Midland, TX 79706

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

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April 18, 2025

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

**Re: Closure Report
Red Hill Unit #102
EOG Resources, Inc
Incident # NAPP2509152420
Site Location: Unit P Sec 01 T25S R30E
(Lat 32.153677°, Long -103.519733°)
Lea County, New Mexico**

To whom it may concern:

On behalf of EOG Resources, Inc. (EOG), Carmona Resources, LLC has prepared this letter to document site activities for the Red Hill Unit 102. The site is located at 32.153677°, -103.519733° within Unit P Sec 01 T25S R30E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on August 19, 2024, caused by an equipment failure on the separator. It resulted in the release of ten (10) barrels of produced water, with one (1) barrel of produced water recovered. Refer to Figure 3. The Notice of Release form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. The nearest identified well is located approximately 1.29 miles Southwest of the site in S13, T25S, R33E, and was drilled in 1993. The well has a reported depth to groundwater of 185' 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.

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432.813.1992



4.0 Site Assessment Activities

Initial Assessment

On August 26, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of eight (8) sample points (S-1 through S-8) and six (6) horizontals (H-1 through H-8) were advanced to depths ranging from the surface to 2' bgs inside and surrounding the release area to assess the vertical and horizontal extent of the contamination. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix D.

5.0 Remediation Activities

Carmona Resources personnel were on site to guide the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via the NMOCD Portal on April 3, 2025 per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of nineteen (19) floor confirmation samples were collected (CS-1 through CS-19), and fourteen (14) sidewall samples (SW-1 through SW-14) 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. The sidewalls of the excavation was extended to remove the impacted material of the horizontal samples.

All final confirmation samples met the regulatory requirements for TPH, BTEX, and chloride. Refer to Table 2. Approximately 340 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment results and the final analytical data, no further actions are required at the site. EOG formally requests the closure of this incident. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

Mike Carmona
Environmental Manager

Ivan Ramos
Project Manager

FIGURES

CARMONA RESOURCES

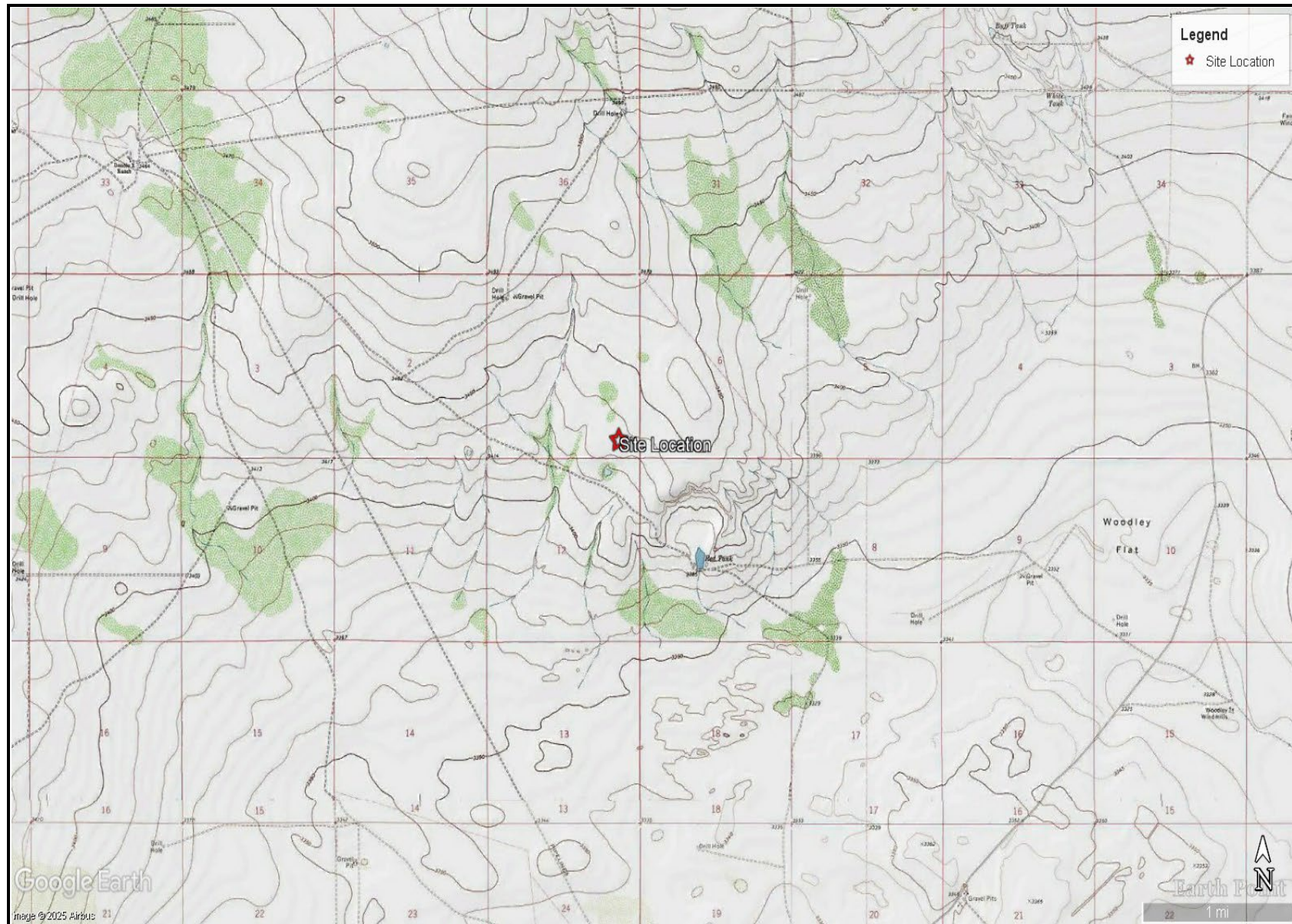




OVERVIEW MAP
EOG RESOURCES
RED HILLS UNIT #102
LEA COUNTY, NEW MEXICO
32.153677°, -103.519733°



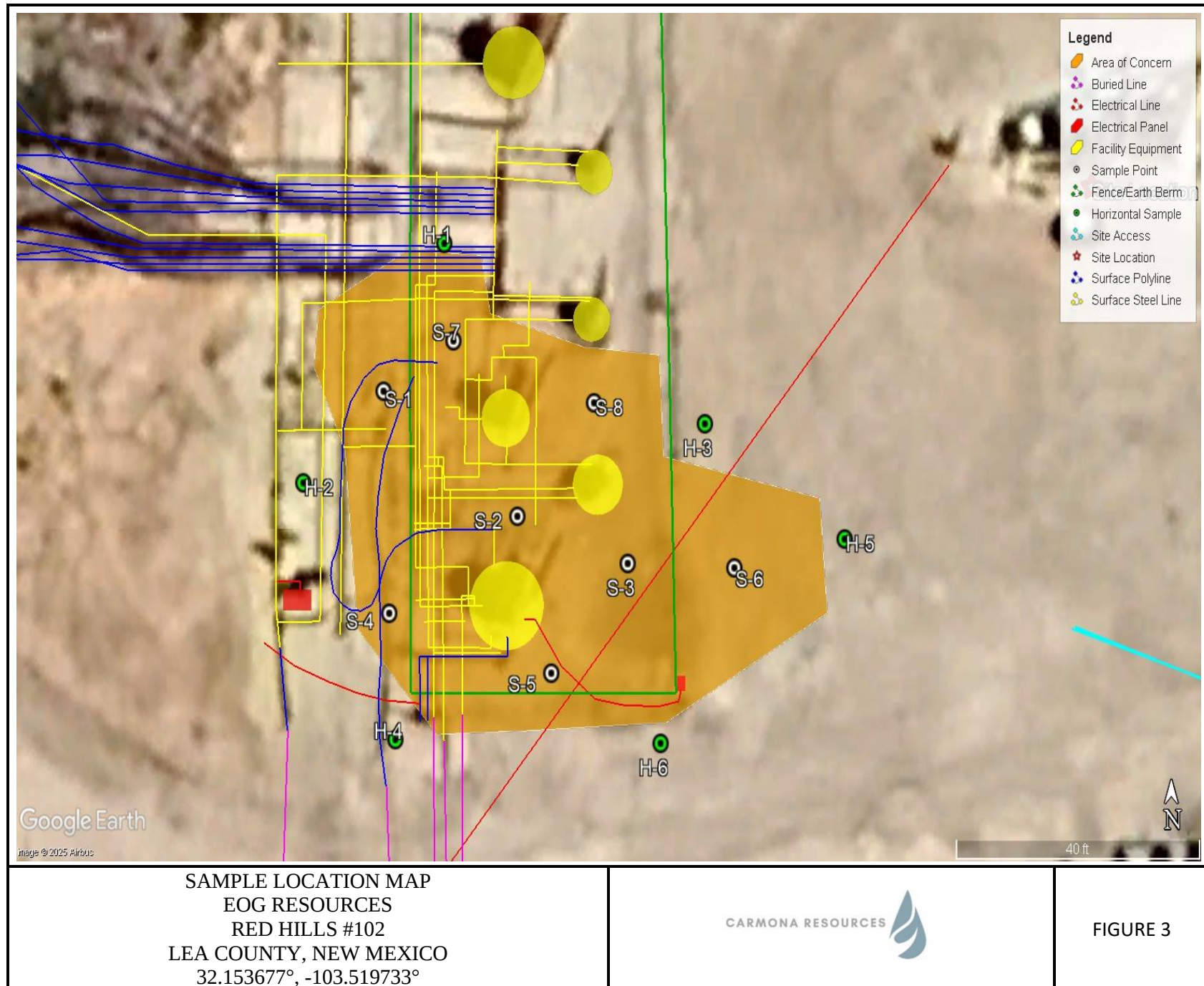
FIGURE 1

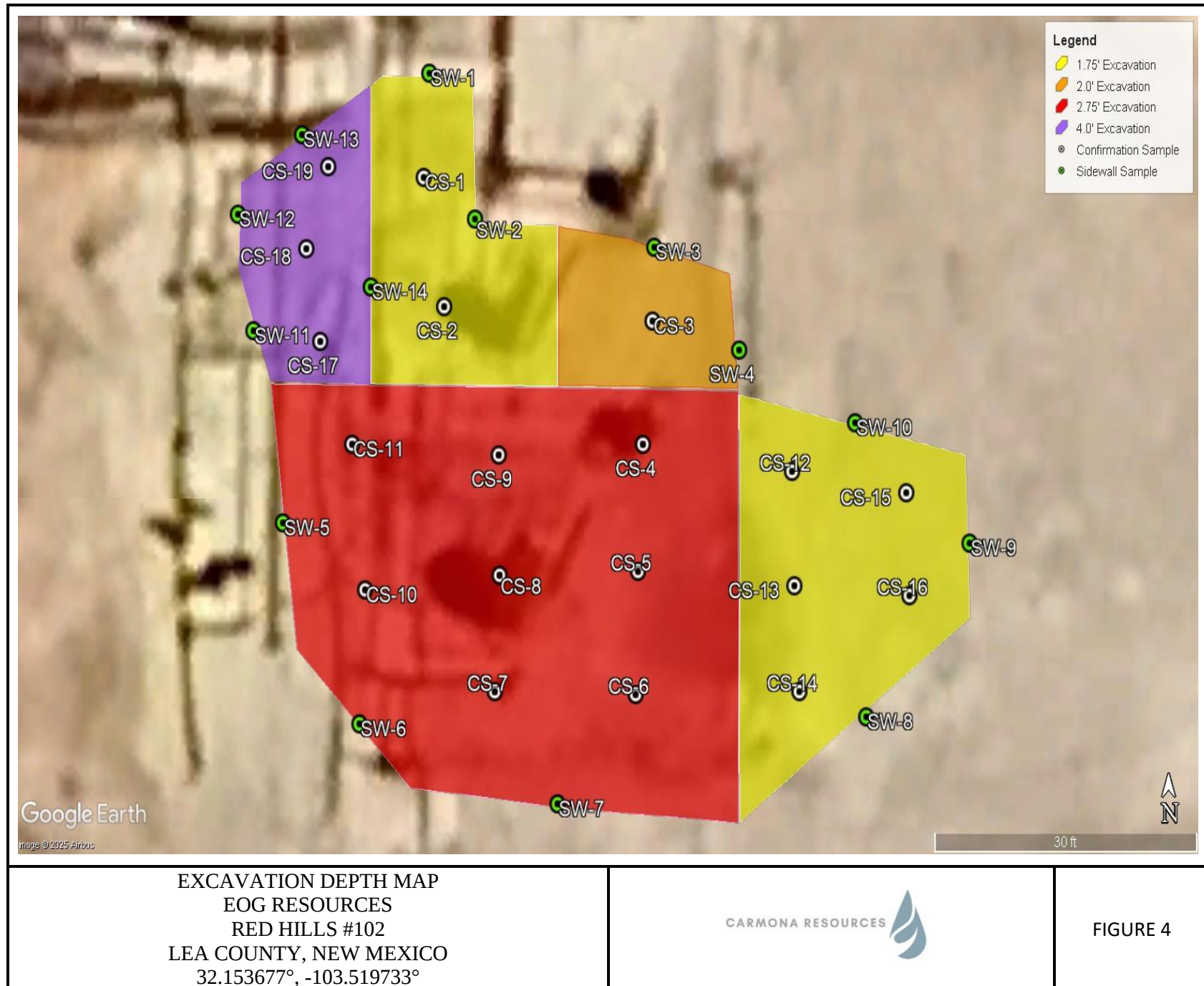


TOPOGRAPHIC MAP
EOG RESOURCES
RED HILLS #102
LEA COUNTY, NEW MEXICO
32.153677°, -103.519733°



FIGURE 2





APPENDIX A

CARMONA RESOURCES



Table 1
EOG Resources
Red Hills North Unit #102
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	8/26/2024	0.1'	2,140	7,450	1,450	11,040	9.55	41.1	14.6	82.1	147	48.0
	"	1.5'	5,490	9,100	1,350	15,940	50.6	128	39.3	224	442	16.0
	"	2.0'	7,990	12,100	1,760	21,850	52.1	97.8	35.5	200	385	16.0
S-2	8/26/2024	0.1'	5,770	16,500	2,870	25,140	16.2	73.6	27.4	178	296	<16.0
	"	1.5'	3,420	6,330	938	339	26.7	85.6	33.3	198	339	<16.0
S-3	8/26/2024	0.1'	4,470	12,800	1510	18,780	6.21	46.3	18.7	140	211	<16.0
	"	1.5'	165	771	91.4	1,027.4	0.625	3.50	1.85	13.0	19.0	<16.0
S-4	8/26/2024	0.1'	5,890	11,000	1,560	18,450	27.5	75.1	27.1	172	301	224
S-5	8/26/2024	0.1'	5,900	20,000	2,800	28,700	6.23	51.4	28.6	184	270	<16.0
S-6	8/26/2024	0.1'	<10.0	88.1	52.3	140.4	<0.050	0.092	0.053	0.304	0.449	80.0
S-7	8/26/2024	0.1'	25.0	299	132	456	0.052	0.125	0.237	0.919	1.33	<16.0
	"	1.5'	<10.0	<10.0	23.9	23.9	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
S-8	8/26/2024	0.1'	<10.0	759	323	1,082	0.259	0.264	0.052	0.279	0.854	48.0
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

Removed

Table 1
EOG Resources
Red Hills North Unit #102
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	8/26/2024	0-0.5'	<10.0	354	264	618	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-2	8/26/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-3	8/26/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
H-4	8/26/2024	0-0.5'	<10.0	62.8	35.9	99	0.090	1.05	0.240	1.56	2.94	32.0
H-5	8/26/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
H-6	8/26/2024	0-0.5'	<10.0	2,470	856	3,326	<0.050	0.071	<0.050	<0.150	<0.300	400
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) Horizontal Sample

Removed

Table 2
EOG Resources
Red Hills North Unit #102
Lea 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	4/4/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-2	4/4/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-3	4/4/2025	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-4	4/4/2025	2.5'	<10.0	195	73.3	268.3	<0.050	<0.050	<0.050	<0.150	<0.300	160
	4/7/2025	2.75'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-5	4/4/2025	2.5'	<10.0	146	59.7	205.7	<0.050	<0.050	<0.050	<0.150	<0.300	192
	4/7/2025	2.75'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-6	4/4/2025	2.5'	<10.0	191	75.0	266	<0.050	<0.050	<0.050	<0.150	<0.300	176
	4/7/2025	2.75'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-7	4/4/2025	2.5'	<10.0	463	151	614	<0.050	<0.050	<0.050	<0.150	<0.300	208
	4/7/2025	2.75'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-8	4/4/2025	2.5'	<10.0	203	81.8	284.8	<0.050	<0.050	<0.050	<0.150	<0.300	176
	4/7/2025	2.75'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-9	4/4/2025	2.5'	<10.0	185	80.3	265.3	<0.050	<0.050	<0.050	<0.150	<0.300	192
	4/7/2025	2.75'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-10	4/4/2025	2.5'	<10.0	146	63.2	209.2	<0.050	<0.050	<0.050	<0.150	<0.300	160
	4/7/2025	2.75'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-11	4/4/2025	2.5'	<10.0	192	77.4	269.4	<0.050	<0.050	<0.050	<0.150	<0.300	208
	4/7/2025	2.75'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-12	4/4/2025	1.5'	<10.0	119	36.5	155.5	<0.050	<0.050	<0.050	<0.150	<0.300	192
	4/7/2025	1.75'	<10.0	44.1	39.2	83.3	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-13	4/4/2025	1.5'	<10.0	148	45.4	193.4	<0.050	<0.050	<0.050	<0.150	<0.300	176
	4/7/2025	1.75'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-14	4/4/2025	1.5'	<10.0	114	53.4	167.4	<0.050	<0.050	<0.050	<0.150	<0.300	112
	4/7/2025	1.75'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-15	4/4/2025	1.5'	<10.0	126	66.6	192.6	<0.050	<0.050	<0.050	<0.150	<0.300	128
	4/7/2025	1.75'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-16	4/4/2025	1.5'	<10.0	127	60.2	187.2	<0.050	<0.050	<0.050	<0.150	<0.300	112
	4/7/2025	1.75'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-17	4/7/2025	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-18	4/7/2025	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-19	4/7/2025	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Regulatory Criteria ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

 Removed

Table 2
EOG Resources
Red Hills North Unit #102
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	4/4/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-2	4/4/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-3	4/4/2025	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-4	4/4/2025	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-5	4/4/2025	2.5'	<10.0	111	55.9	166.9	<0.050	<0.050	<0.050	<0.150	<0.300	112
	4/7/2025	2.75'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-6	4/4/2025	2.5'	<10.0	108	49.4	157.4	<0.00199	<0.050	<0.050	<0.150	<0.300	128
	4/7/2025	2.75'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-7	4/4/2025	2.5'	<10.0	105	49.2	154.2	<0.00202	<0.050	<0.050	<0.150	<0.300	128
	4/7/2025	2.75'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-8	4/4/2025	1.5'	<10.0	97.3	36.6	133.9	<0.00200	<0.050	<0.050	<0.150	<0.300	128
	4/7/2025	1.75'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-9	4/4/2025	1.5'	<10.0	155	46.6	201.6	<0.00200	<0.050	<0.050	<0.150	<0.300	176
	4/7/2025	1.75'	<10.0	14.6	<10.0	14.6	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-10	4/4/2025	1.5'	<10.0	113	27.6	140.6	<0.00199	<0.050	<0.050	<0.150	<0.300	144
	4/7/2025	1.75'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-11	4/7/2025	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-12	4/7/2025	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-13	4/7/2025	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-14	4/7/2025	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Hyrdosource Pit - Backfill	4/7/2025	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

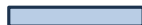
mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) Sidewall Sample

Removed



APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

EOG Resources, Inc

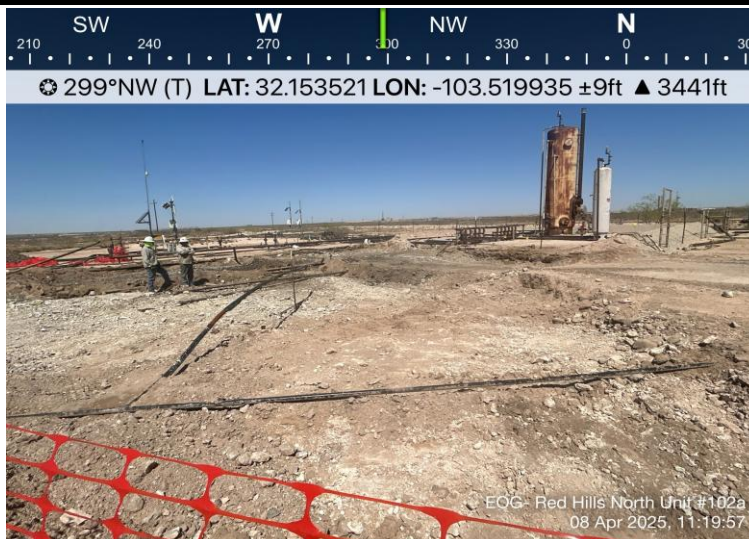
Photograph No. 1

Facility: Red Hills Unit #102

County: Lea County, New Mexico

Description:

View Northwest, area of Confirmation Samples (1-16).



Photograph No. 2

Facility: Red Hills Unit #102

County: Lea County, New Mexico

Description:

View North area of Confirmation Samples (17-19).



Photograph No. 3

Facility: Red Hills Unit #102

County: Lea County, New Mexico

Description:

View North of the backfilled excavation.



APPENDIX C

CARMONA RESOURCES



***** LIQUID SPILLS - VOLUME CALCULATIONS *****

Location of spill: Red Hills North Unit #102

Date of Spill: 8/19/2024

If the leak/spill is associated with production equipment, i.e. - wellhead, stuffing box,
flowline, tank battery, production vessel, transfer pump, or storage tank place an "X" here: ☒

Input Data:

If spill volumes from measurement, i.e. metering, tank volumes, etc. are known enter the volumes here: OIL: 0.0000 BBL WATER: 0.0000 BBL

If "known" spill volumes are given, input data for the following "Area Calculations" is optional. The above will override the calculated volumes.

Total Area Calculations					Standing Liquid Calculations				
Total Surface Area	width	length	wet soil depth	oil (%)	Standing Liquid Area	width	length	liquid depth	oil (%)
Rectangle Area #1	52 ft X	65 ft X	2.00 in	0%	Rectangle Area #1	0 ft X	0 ft X	0 in	0%
Rectangle Area #2	26 ft X	39 ft X	1.50 in	0%	Rectangle Area #2	0 ft X	0 ft X	0 in	0%
Rectangle Area #3	0 ft X	0 ft X	0.00 in	0%	Rectangle Area #3	0 ft X	0 ft X	0 in	0%
Rectangle Area #4	0 ft X	0 ft X	0.00 in	0%	Rectangle Area #4	0 ft X	0 ft X	0 in	0%
Rectangle Area #5	0 ft X	0 ft X	0.00 in	0%	Rectangle Area #5	0 ft X	0 ft X	0 in	0%
Rectangle Area #6	0 ft X	0 ft X	0.00 in	0%	Rectangle Area #6	0 ft X	0 ft X	0 in	0%
Rectangle Area #7	0 ft X	0 ft X	0.00 in	0%	Rectangle Area #7	0 ft X	0 ft X	0 in	0%
Rectangle Area #8	0 ft X	0 ft X	0.00 in	0%	Rectangle Area #8	0 ft X	0 ft X	0 in	0%

okay

production system leak - DAILY PRODUCTION DATA REQUIRED

Average Daily Production: Oil BBL Water 0 BBL

Did leak occur before the separator?: ☐ YES ☒ N/A (place an "X")

Amount of Free Liquid Recovered: 0 BBL okay

Percentage of Oil in Free Liquid Recovered: 0% (percentage)

Liquid holding factor *: 0.08 gal per gal

Use the following when the spill wets the grains of the soil:

* sand = .08 gallon liquid per gallon volume of soil.

* gravelly (caliche) loam = .14 gallon liquid per gallon volume of soil.

* sandy clay loam soil = .14 gallon liquid per gallon volume of soil.

* clay loam = .16 gallon liquid per gallon volume of soil.

Use the following when the liquid completely fills the pore space of the soil:

Occurs when the spill soaked soil is contained by barriers, natural (or not).

* gravelly (caliche) loam = .25 gallon liquid per gallon volume of soil.

* sandy loam = .5 gallon liquid per gallon volume of soil.

Saturated Soil Volume Calculations:

Total Solid/Liquid Volume: 4,394 sq. ft. H2O 690 cu. ft. OIL cu. ft.

Estimated Volumes Spilled

Liquid in Soil: 9.8 BBL 0.0 BBL
Free Liquid: 0.0 BBL 0.0 BBL
Totals: 9.832 BBL 0.000 BBL

Total Liquid Spill Liquid: 9.832 BBL 0.000 BBL

Recovered Volumes

Estimated oil recovered: 0.0 BBL check - okay
Estimated water recovered: 0.0 BBL check - okay

Free Liquid Volume Calculations:

Total Free Liquid Volume: sq. ft. H2O .000 cu. ft. OIL .000 cu. ft.

Estimated Production Volumes Lost

Estimated Production Spilled: 0.000000 BBL 0.000000 BBL

Estimated Surface Damage

Surface Area: 4,394 sq. ft.

Surface Area: .1009 acre

Estimated Weights, and Volumes

Saturated Soil = 77,289 lbs 690 cu. ft. 26 cu. yds.
Total Liquid = 10 BBL 412.95 gallon 3,436 lbs

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 447773

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 447773
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	Red Hills North Unit #102
Date Release Discovered	08/19/2024
Surface Owner	Federal

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

Nature and Volume of Release <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Separator Produced Water Released: 10 BBL Recovered: 1 BBL Lost: 9 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Initially the release was reported as less than 5 bbls. During the course of the soil assessment activities it was discovered that the release was greater than 5 bbls.

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QUESTIONS, Page 2

Action 447773

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 447773
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

Initial Response

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

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

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

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ACKNOWLEDGMENTS

Action 447773

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 447773
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
☒	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
☒	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
☒	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.
☒	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
☒	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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

CONDITIONS

Action 447773

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 447773
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
todd wells	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	4/1/2025

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

QUESTIONS

Action 447800

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 447800
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2509152420
Incident Name	NAPP2509152420 RED HILLS NORTH UNIT #102 @ 30-025-32748
Incident Type	Produced Water Release
Incident Status	Notification Accepted
Incident Well	[30-025-32748] RED HILLS NORTH UNIT #102

Location of Release Source	
Site Name	Red Hills North Unit #102
Date Release Discovered	08/19/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	2,000
What is the estimated number of samples that will be gathered	38
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/04/2025
Time sampling will commence	10:00 AM
Please provide any information necessary for observers to contact samplers	Sampler Information: Carmona Resources – 432-813-6823
Please provide any information necessary for navigation to sampling site	Driving Directions – 32.153677, -103.519733 Carmona Resources will be onsite to conduct confirmation sampling

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

General Information
Phone: (505) 629-6116

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

CONDITIONS

Action 447800

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 447800
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
todd wells	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/1/2025

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

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

QUESTIONS

Action 448513

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 448513
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2509152420
Incident Name	NAPP2509152420 RED HILLS NORTH UNIT #102 @ 30-025-32748
Incident Type	Produced Water Release
Incident Status	Notification Accepted
Incident Well	[30-025-32748] RED HILLS NORTH UNIT #102

Location of Release Source	
Site Name	Red Hills North Unit #102
Date Release Discovered	08/19/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	300
What is the estimated number of samples that will be gathered	5
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/08/2025
Time sampling will commence	10:00 AM
Please provide any information necessary for observers to contact samplers	Sampler Information: Carmona Resources – 432-813-6823
Please provide any information necessary for navigation to sampling site	Driving Directions – 32.153677, -103.519733 Carmona Resources will be onsite to conduct confirmation sampling

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

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

CONDITIONS

Action 448513

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 448513
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
todd wells	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/3/2025

APPENDIX D

CARMONA RESOURCES



Legend

- 0.50 Mile Radius
- 1.29 Miles - SW - NMSEO - 185' - Drilled in 1993 - Sec 13
- 1.35 Miles - SW - NMSEO - 185' - Drilled 1993 - Sec 13
- 185' - Drilled 1993
- Red Hills North Unit #102



Red Hills North Unit #102

185' - Drilled 1993

185' - Drilled 1993



Legend

 Low

 Red Hills North Unit #102

 Red Hills North Unit #102





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 02373 S		CUB	LE	NW	NE	NW	13	25S	33E	638721.0	3556549.0 *		2072	625	185	440
C 02373 CLW317846	O	CUB	LE	NE	NW	NW	13	25S	33E	638518.0	3556544.0 *		2170	625	185	440
C 03603 POD4		CUB	LE	SW	NE	SE	35	24S	33E	637789.1	3560461.3		2716			
C 03601 POD4		CUB	LE	SW	SW	SW	24	24S	33E	638161.8	3561375.0		3274			
C 03603 POD1		CUB	LE	SW	NE	NE	35	24S	33E	637804.9	3561225.4		3318			
C 02373		CUB	LE		SE	NW	32	24S	34E	641979.0	3560916.0 *		3446	600		
C 03603 POD6		CUB	LE	SW	NW	SW	35	24S	33E	636749.3	3560447.2		3486			
C 03603 POD2		CUB	LE	SW	NW	NE	35	24S	33E	637384.0	3561167.3		3517			
C 03603 POD5		CUB	LE	SW	SW	NE	35	24S	33E	636745.0	3560767.5		3684			
C 03603 POD3		CUB	LE	SE	NW	NW	35	24S	33E	636889.9	3561092.9		3794			
C 03600 POD2		CUB	LE	SE	SE	NW	25	24S	33E	638824.5	3562329.6		3974			
C 03602 POD2		CUB	LE	SE	SE	NW	25	24S	33E	638824.5	3562329.6		3974			
C 03600 POD5		CUB	LE	SW	NE	SE	26	24S	33E	637857.0	3562020.7		3988			

Average Depth to Water: 185 feet

Minimum Depth: 185 feet

Maximum Depth: 185 feet

Record Count: 13

UTM Filters (in meters):

Easting: 639592.21

Northing: 3558429.63

Radius: 4000

* UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	TwS	Rng	X	Y	Map
	C 02373 S	NW	NE	NW	13	25S	33E	638721.0	3556549.0 *	

* UTM location was derived from PLSS - see Help

Driller License:	421	Driller Company:	GLENN'S WATER WELL SERVICE		
Driller Name:					
Drill Start Date:	1993-09-08	Drill Finish Date:	1993-09-08	Plug Date:	
Log File Date:		PCW Rcv Date:	1996-02-09	Source:	Shallow
Pump Type:	SUBMER	Pipe Discharge Size:	2	Estimated Yield:	60
Casing Size:	6.63	Depth Well:	625	Depth Water:	185

Meter Information

Meter Number:	581	Meter Make:	WATERSPECIAL
Meter Serial Number:	9549683	Meter Multiplier:	100.0000
Number of Dials:	6	Meter Type:	Diversion
Unit of Measure:	Gallons	Reading Frequency:	Monthly (No Reading Expected)

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
1999-03-31	1999	2206.000	A	ms		0.000	
1999-06-30	1999	2350.000	A	ms		0.186	
1999-09-30	1999	4567.000	A	ms		2.858	
2000-01-06	1999	6110.000	A	ms		1.989	
2000-05-01	2000	9350.000	A	mb		0.000	
2000-06-30	2000	10252.000	A	mb		0.277	
2000-10-13	2000	16915.000	A	RPT		2.045	
2001-01-17	2000	33917.000	A	RPT		5.218	
2001-05-17	2001	39208.000	A	RPT		1.624	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2001-06-30	2001	39212.000	A	RPT		0.001	
2001-09-30	2001	48868.000	A	RPT		2.963	
2002-01-03	2002	56680.000	A	RPT		2.397	
2002-06-30	2002	70870.000	A	RPT		4.355	
2002-12-31	2002	112683.000	A	RPT		12.832	
2003-03-31	2003	134871.000	A	RPT		6.809	
2003-06-30	2003	135029.000	A	RPT		0.048	
2003-09-30	2003	139662.000	A	ab		1.422	
2003-12-31	2003	145345.000	A	ab		1.744	
2004-04-05	2004	162284.000	A	RPT		5.198	
2004-10-07	2004	172774.000	A	tw		3.219	
2005-01-01	2004	180237.000	A	RPT		2.290	
2005-04-01	2005	183300.000	A	RPT		0.940	
2005-07-01	2005	183613.000	A	RPT		0.096	
2005-10-10	2005	185173.000	A	RPT		0.479	
2006-01-01	2005	185386.000	A	RPT		0.065	
2006-03-31	2006	186880.000	A	RPT		0.458	
2006-06-30	2006	196667.000	A	tw		3.004	
2006-12-31	2006	205842.000	A	tw		2.816	
2007-04-03	2007	211071.000	A	RPT		1.605	
2007-07-01	2007	211071.000	A	RPT		0.000	
2007-10-01	2007	211071.000	A	RPT		0.000	
2007-12-03	2007	211071.000	A	RPT		0.000	
2008-03-30	2008	211071.000	A	RPT		0.000	
2008-06-30	2008	211071.000	A	RPT		0.000	
2008-09-30	2008	211071.000	A	RPT		0.000	
2008-12-30	2008	211071.000	A	RPT		0.000	
2010-03-31	2010	109594.000	R	RPT	Meter Rollover	275.747	
2010-06-30	2010	156195.000	A	tw		14.301	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2010-09-30	2010	199335.000	A	RPT		13.239	
2010-12-31	2010	231813.000	A	RPT		9.967	
2011-04-01	2011	263630.000	A	RPT		9.764	

YTD Meter Amounts:

Year	Amount
1999	5.033
2000	7.540
2001	4.588
2002	19.584
2003	10.023
2004	10.707
2005	1.580
2006	6.278
2007	1.605
2008	0.000
2010	313.254
2011	9.764

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Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 02373 CLW317846	NE	NW	NW	13	25S	33E	638518.0	3556544.0 *	

* UTM location was derived from PLSS - see Help

Driller License:

421

Driller Company:

GLENN'S WATER WELL SERVICE

Driller Name:

Drill Start Date:

1993-09-08

Drill Finish Date:

1993-09-08

Plug Date:

Log File Date:

PCW Rcv Date:

1996-02-09

Source:

Shallow

Pump Type:

SUBMER

Pipe Discharge Size:

2

Estimated Yield:

60

Casing Size:

6.63

Depth Well:

625

Depth Water:

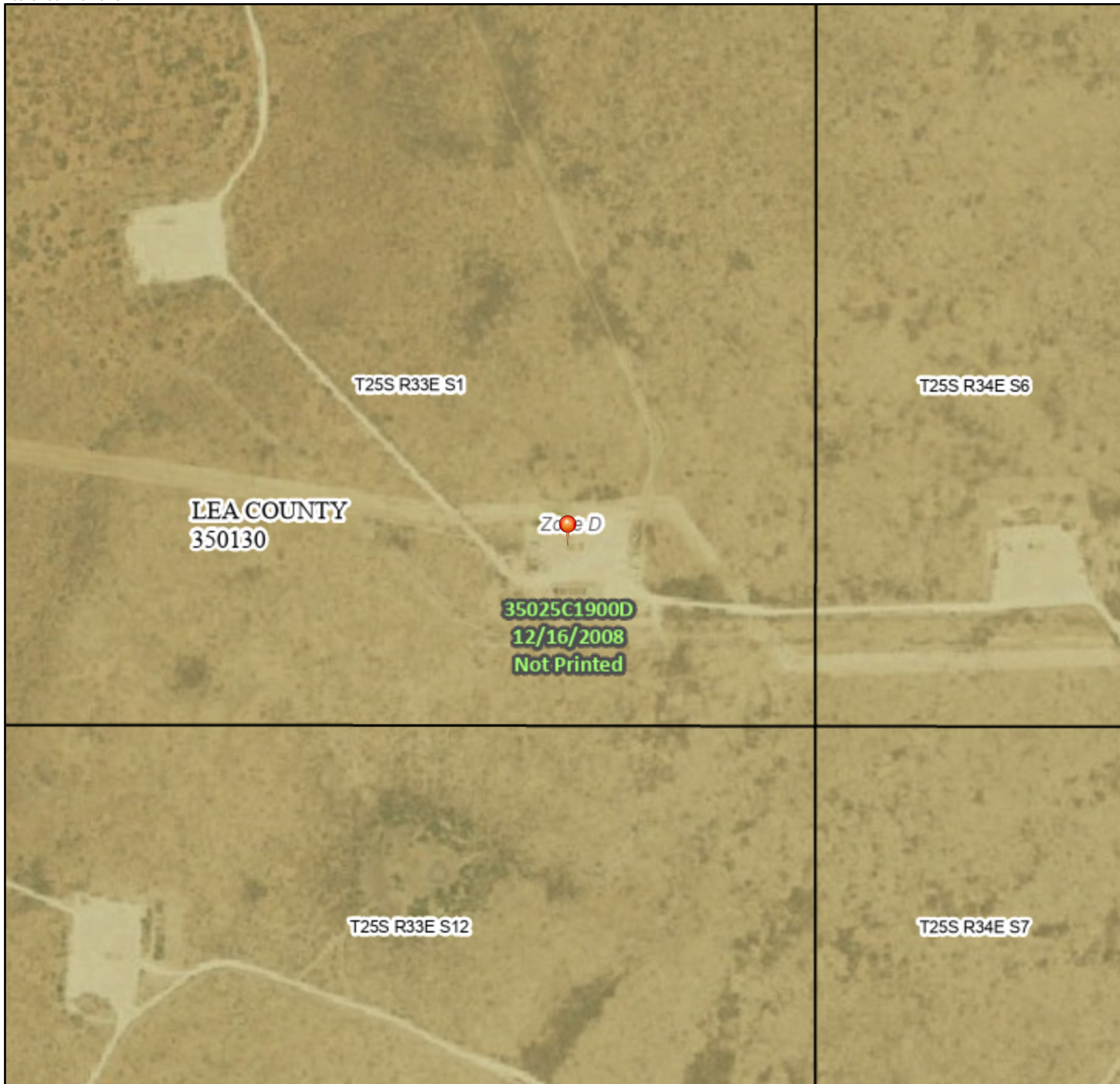
185

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National Flood Hazard Layer FIRMette



103°31'30"W 32°9'29"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°30'52"W 32°8'58"N

Released to Imaging: 7/7/2026 1:10:31 PM

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/3/2024 at 12:42 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

APPENDIX E

CARMONA RESOURCES





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

August 30, 2024

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: RED HILLS UNIT #102

Enclosed are the results of analyses for samples received by the laboratory on 08/28/24 8:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 08/28/2024
 Reported: 08/30/2024
 Project Name: RED HILLS UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: S - 1 (0-1') (H245233-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	9.55	1.00	08/30/2024	ND	1.97	98.4	2.00	4.90	
Toluene*	41.1	1.00	08/30/2024	ND	1.91	95.5	2.00	5.09	
Ethylbenzene*	14.6	1.00	08/30/2024	ND	1.92	95.9	2.00	5.27	
Total Xylenes*	82.1	3.00	08/30/2024	ND	5.71	95.2	6.00	5.07	
Total BTX	147	6.00	08/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 132 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/30/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	2140	50.0	08/29/2024	ND	221	111	200	7.44		
DRO >C10-C28*	7450	50.0	08/29/2024	ND	219	110	200	9.86		
EXT DRO >C28-C36	1450	50.0	08/29/2024	ND						

Surrogate: 1-Chlorooctane 170 % 48.2-134

Surrogate: 1-Chlorooctadecane 220 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 08/28/2024
 Reported: 08/30/2024
 Project Name: RED HILLS UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: S - 1 (1.5') (H245233-02)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	50.6	1.00	08/30/2024	ND	1.97	98.4	2.00	4.90	
Toluene*	128	1.00	08/30/2024	ND	1.91	95.5	2.00	5.09	
Ethylbenzene*	39.3	1.00	08/30/2024	ND	1.92	95.9	2.00	5.27	
Total Xylenes*	224	3.00	08/30/2024	ND	5.71	95.2	6.00	5.07	
Total BTEX	442	6.00	08/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 143 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/30/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	5490	10.0	08/28/2024	ND	221	111	200	7.44	
DRO >C10-C28*	9100	10.0	08/28/2024	ND	219	110	200	9.86	
EXT DRO >C28-C36	1350	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 186 % 48.2-134

Surrogate: 1-Chlorooctadecane 222 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 08/28/2024
 Reported: 08/30/2024
 Project Name: RED HILLS UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: S - 1 (2.0') (H245233-03)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	52.1	1.00	08/30/2024	ND	1.97	98.4	2.00	4.90	
Toluene*	97.8	1.00	08/30/2024	ND	1.91	95.5	2.00	5.09	
Ethylbenzene*	35.5	1.00	08/30/2024	ND	1.92	95.9	2.00	5.27	
Total Xylenes*	200	3.00	08/30/2024	ND	5.71	95.2	6.00	5.07	
Total BTEX	385	6.00	08/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 150 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/30/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	7990	50.0	08/29/2024	ND	221	111	200	7.44	
DRO >C10-C28*	12100	50.0	08/29/2024	ND	219	110	200	9.86	
EXT DRO >C28-C36	1760	50.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 201 % 48.2-134

Surrogate: 1-Chlorooctadecane 248 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 08/28/2024
 Reported: 08/30/2024
 Project Name: RED HILLS UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: S - 2 (0-1') (H245233-04)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	16.2	1.00	08/30/2024	ND	1.97	98.4	2.00	4.90	
Toluene*	73.6	1.00	08/30/2024	ND	1.91	95.5	2.00	5.09	
Ethylbenzene*	27.4	1.00	08/30/2024	ND	1.92	95.9	2.00	5.27	
Total Xylenes*	178	3.00	08/30/2024	ND	5.71	95.2	6.00	5.07	
Total BTEX	296	6.00	08/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 151 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/30/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	5770	50.0	08/29/2024	ND	221	111	200	7.44	
DRO >C10-C28*	16500	50.0	08/29/2024	ND	219	110	200	9.86	
EXT DRO >C28-C36	2870	50.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 220 % 48.2-134

Surrogate: 1-Chlorooctadecane 293 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 08/28/2024
 Reported: 08/30/2024
 Project Name: RED HILLS UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: S - 2 (1.5') (H245233-05)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	26.7	1.00	08/30/2024	ND	1.97	98.4	2.00	4.90	
Toluene*	85.6	1.00	08/30/2024	ND	1.91	95.5	2.00	5.09	
Ethylbenzene*	33.3	1.00	08/30/2024	ND	1.92	95.9	2.00	5.27	
Total Xylenes*	193	3.00	08/30/2024	ND	5.71	95.2	6.00	5.07	
Total BTEx	339	6.00	08/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 151 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/30/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	3420	10.0	08/29/2024	ND	221	111	200	7.44	
DRO >C10-C28*	6330	10.0	08/29/2024	ND	219	110	200	9.86	
EXT DRO >C28-C36	938	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 167 % 48.2-134

Surrogate: 1-Chlorooctadecane 195 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 08/28/2024
 Reported: 08/30/2024
 Project Name: RED HILLS UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: S - 3 (0-1') (H245233-06)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	6.21	1.00	08/30/2024	ND	1.97	98.4	2.00	4.90	
Toluene*	46.3	1.00	08/30/2024	ND	1.91	95.5	2.00	5.09	
Ethylbenzene*	18.7	1.00	08/30/2024	ND	1.92	95.9	2.00	5.27	
Total Xylenes*	140	3.00	08/30/2024	ND	5.71	95.2	6.00	5.07	
Total BTEX	211	6.00	08/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 155 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/30/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	4470	50.0	08/29/2024	ND	217	108	200	1.10	
DRO >C10-C28*	12800	50.0	08/29/2024	ND	219	110	200	3.68	
EXT DRO >C28-C36	1510	50.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 450 % 48.2-134

Surrogate: 1-Chlorooctadecane 195 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 08/28/2024
 Reported: 08/30/2024
 Project Name: RED HILLS UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: S - 3 (1.5') (H245233-07)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.625	0.050	08/30/2024	ND	1.97	98.4	2.00	4.90	
Toluene*	3.50	0.050	08/30/2024	ND	1.91	95.5	2.00	5.09	
Ethylbenzene*	1.85	0.050	08/30/2024	ND	1.92	95.9	2.00	5.27	
Total Xylenes*	13.0	0.150	08/30/2024	ND	5.71	95.2	6.00	5.07	
Total BTEx	19.0	0.300	08/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 247 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/30/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	165	10.0	08/28/2024	ND	217	108	200	1.10	
DRO >C10-C28*	771	10.0	08/28/2024	ND	219	110	200	3.68	
EXT DRO >C28-C36	91.4	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 08/28/2024
 Reported: 08/30/2024
 Project Name: RED HILLS UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: S - 4 (0-1') (H245233-08)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	27.5	1.00	08/30/2024	ND	1.97	98.4	2.00	4.90	
Toluene*	75.1	1.00	08/30/2024	ND	1.91	95.5	2.00	5.09	
Ethylbenzene*	27.1	1.00	08/30/2024	ND	1.92	95.9	2.00	5.27	
Total Xylenes*	172	3.00	08/30/2024	ND	5.71	95.2	6.00	5.07	
Total BTEX	301	6.00	08/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 141 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/30/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	5890	50.0	08/29/2024	ND	217	108	200	1.10	
DRO >C10-C28*	11000	50.0	08/29/2024	ND	219	110	200	3.68	
EXT DRO >C28-C36	1560	50.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 374 % 48.2-134

Surrogate: 1-Chlorooctadecane 171 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 08/28/2024
 Reported: 08/30/2024
 Project Name: RED HILLS UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: S - 5 (0-1') (H245233-09)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	6.23	1.00	08/30/2024	ND	1.97	98.4	2.00	4.90	
Toluene*	51.4	1.00	08/30/2024	ND	1.91	95.5	2.00	5.09	
Ethylbenzene*	28.6	1.00	08/30/2024	ND	1.92	95.9	2.00	5.27	
Total Xylenes*	184	3.00	08/30/2024	ND	5.71	95.2	6.00	5.07	
Total BTEX	270	6.00	08/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 176 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/30/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg	Analyzed By: ms					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	5900	50.0	08/29/2024	ND	217	108	200	1.10	
DRO >C10-C28*	20000	50.0	08/29/2024	ND	219	110	200	3.68	
EXT DRO >C28-C36	2800	50.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 678 % 48.2-134

Surrogate: 1-Chlorooctadecane 298 % 49.1-148

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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 500
 MIDLAND TX, 79701
 Fax To:

Received: 08/28/2024
 Reported: 08/30/2024
 Project Name: RED HILLS UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: S - 6 (0-1') (H245233-10)

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	08/30/2024	ND	1.97	98.4	2.00	4.90	
Toluene*	0.092	0.050	08/30/2024	ND	1.91	95.5	2.00	5.09	
Ethylbenzene*	0.053	0.050	08/30/2024	ND	1.92	95.9	2.00	5.27	
Total Xylenes*	0.304	0.150	08/30/2024	ND	5.71	95.2	6.00	5.07	
Total BTEX	0.449	0.300	08/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/30/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	217	108	200	1.10	
DRO >C10-C28*	88.1	10.0	08/28/2024	ND	219	110	200	3.68	
EXT DRO >C28-C36	52.3	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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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 500
 MIDLAND TX, 79701
 Fax To:

Received: 08/28/2024
 Reported: 08/30/2024
 Project Name: RED HILLS UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: S - 7 (0-1') (H245233-11)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.052	0.050	08/30/2024	ND	1.97	98.4	2.00	4.90	
Toluene*	0.125	0.050	08/30/2024	ND	1.91	95.5	2.00	5.09	
Ethylbenzene*	0.237	0.050	08/30/2024	ND	1.92	95.9	2.00	5.27	
Total Xylenes*	0.919	0.150	08/30/2024	ND	5.71	95.2	6.00	5.07	
Total BTEX	1.33	0.300	08/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/30/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	25.0	10.0	08/28/2024	ND	217	108	200	1.10	
DRO >C10-C28*	299	10.0	08/28/2024	ND	219	110	200	3.68	
EXT DRO >C28-C36	132	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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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 500
 MIDLAND TX, 79701
 Fax To:

Received: 08/28/2024
 Reported: 08/30/2024
 Project Name: RED HILLS UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: S - 7 (1.5') (H245233-12)

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	08/30/2024	ND	1.97	98.4	2.00	4.90		
Toluene*	<0.050	0.050	08/30/2024	ND	1.91	95.5	2.00	5.09		
Ethylbenzene*	<0.050	0.050	08/30/2024	ND	1.92	95.9	2.00	5.27		
Total Xylenes*	<0.150	0.150	08/30/2024	ND	5.71	95.2	6.00	5.07		
Total BTEX	<0.300	0.300	08/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	217	108	200	1.10	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	219	110	200	3.68	
EXT DRO >C28-C36	23.9	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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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 500
 MIDLAND TX, 79701
 Fax To:

Received: 08/28/2024
 Reported: 08/30/2024
 Project Name: RED HILLS UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: S - 8 (0-1') (H245233-13)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.259	0.050	08/30/2024	ND	1.97	98.4	2.00	4.90	
Toluene*	0.264	0.050	08/30/2024	ND	1.91	95.5	2.00	5.09	
Ethylbenzene*	0.052	0.050	08/30/2024	ND	1.92	95.9	2.00	5.27	
Total Xylenes*	0.279	0.150	08/30/2024	ND	5.71	95.2	6.00	5.07	
Total BTEX	0.854	0.300	08/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/30/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	217	108	200	1.10	
DRO >C10-C28*	759	10.0	08/29/2024	ND	219	110	200	3.68	
EXT DRO >C28-C36	323	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 1245233

Page 1 of 2

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-6823	Email:	James.Kennedy@eogresources.com

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

Project Name:	Red Hills North Unit #102	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2510	☐ Routine	☒ Rush														None: NO	DI Water: H ₂ O	
Project Location:	Lea County, NM	Due Date:	72 HR														Cool: Cool	MeOH: Me	
Sampler's Name:	GPJ																HCL: HC	HNO ₃ : HN	
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Thermometer ID:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐	Parameters										H ₃ PO ₄ : HP		
Received Intact:	Yes ☒ No ☐	N/A	Correction Factor:	N/A													NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes ☒ No ☐	N/A	Temperature Reading:	-2.9°C													Na ₂ S ₂ O ₅ : NaSO ₃		
Sample Custody Seals:	Yes ☒ No ☐	N/A	Corrected Temperature:	-3.5°C													Zn Acetate+NaOH: Zn		
Total Containers:																	NaOH+Ascorbic Acid: SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
S-1 (0-1')	8/26/2024		X		Grab	1	X	X	X										
S-1 (1.5')	8/26/2024		X		Grab	1	X	X	X										
S-1 (2.0')	8/26/2024		X		Grab	1	X	X	X										
S-2 (0-1')	8/26/2024		X		Grab	1	X	X	X										
S-2 (1.5')	8/26/2024		X		Grab	1	X	X	X										
S-3 (0-1')	8/26/2024		X		Grab	1	X	X	X										
S-3 (1.5')	8/26/2024		X		Grab	1	X	X	X										
S-4 (0-1')	8/26/2024		X		Grab	1	X	X	X										
S-5 (0-1')	8/26/2024		X		Grab	1	X	X	X										
S-6 (0-1')	8/26/2024		X		Grab	1	X	X	X										

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time
					8/17/2024

Chain of Custody

Work Order No: H245233

Page 2 of 2

Page 17 of 17

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	James_Kennedy@eogresources.com

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

Project Name:	Red Hills North Unit #102	Turn Around	☐ Routine ☒ Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:	2510																None: NO	DI Water: H ₂ O
Project Location:	Lea County, NM	Due Date:	72 HR														Cool: Cool	MeOH: Me
Sampler's Name:	GPJ																HCL: HC	HNO ₃ : HN
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐	Parameters												H ₃ PO ₄ : HP	
Received Intact:	Yes ☒ No ☐	Thermometer ID:			BTEX 8021B												NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes ☒ No ☐ N/A	Correction Factor:			TPH 8015M (GRO + DRO + MRO)												Na ₂ S ₂ O ₅ : NaSO ₃	
Sample Custody Seals:	Yes ☒ No ☐ N/A	Temperature Reading:			Chloride 4500												Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:															NaOH+Ascorbic Acid: SACP	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
S-7 (0-1')	8/26/2024		X		Grab	1	X	X	X									
S-7 (1.5')	8/26/2024		X		Grab	1	X	X	X									
S-8 (0-1')	8/26/2024		X		Grab	1	X	X	X									

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>Paul</u>		<u>APRUE</u>	8/17/2024



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

August 30, 2024

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: RED HILLS UNIT #102

Enclosed are the results of analyses for samples received by the laboratory on 08/28/24 8:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 08/28/2024
 Reported: 08/30/2024
 Project Name: RED HILLS UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: H - 1 (0-0.5') (H245232-01)

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	08/29/2024	ND	1.97	98.4	2.00	4.90	
Toluene*	<0.050	0.050	08/29/2024	ND	1.91	95.5	2.00	5.09	
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	1.92	95.9	2.00	5.27	
Total Xylenes*	<0.150	0.150	08/29/2024	ND	5.71	95.2	6.00	5.07	QR-03
Total BTEX	<0.300	0.300	08/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/30/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	221	111	200	7.44	
DRO >C10-C28*	354	10.0	08/28/2024	ND	219	110	200	9.86	
EXT DRO >C28-C36	264	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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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 500
 MIDLAND TX, 79701
 Fax To:

Received: 08/28/2024
 Reported: 08/30/2024
 Project Name: RED HILLS UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: H - 2 (0-0.5') (H245232-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/30/2024	ND	1.97	98.4	2.00	4.90		
Toluene*	<0.050	0.050	08/30/2024	ND	1.91	95.5	2.00	5.09		
Ethylbenzene*	<0.050	0.050	08/30/2024	ND	1.92	95.9	2.00	5.27		
Total Xylenes*	<0.150	0.150	08/30/2024	ND	5.71	95.2	6.00	5.07		
Total BTEX	<0.300	0.300	08/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	221	111	200	7.44	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	219	110	200	9.86	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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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 500
 MIDLAND TX, 79701
 Fax To:

Received: 08/28/2024
 Reported: 08/30/2024
 Project Name: RED HILLS UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: H - 3 (0-0.5') (H245232-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/30/2024	ND	1.97	98.4	2.00	4.90		
Toluene*	<0.050	0.050	08/30/2024	ND	1.91	95.5	2.00	5.09		
Ethylbenzene*	<0.050	0.050	08/30/2024	ND	1.92	95.9	2.00	5.27		
Total Xylenes*	<0.150	0.150	08/30/2024	ND	5.71	95.2	6.00	5.07		
Total BTEX	<0.300	0.300	08/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	221	111	200	7.44	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	219	110	200	9.86	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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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 500
 MIDLAND TX, 79701
 Fax To:

Received: 08/28/2024
 Reported: 08/30/2024
 Project Name: RED HILLS UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: H - 4 (0-0.5') (H245232-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.090	0.050	08/30/2024	ND	1.97	98.4	2.00	4.90	GC-NC1
Toluene*	1.05	0.050	08/30/2024	ND	1.91	95.5	2.00	5.09	
Ethylbenzene*	0.240	0.050	08/30/2024	ND	1.92	95.9	2.00	5.27	
Total Xylenes*	1.56	0.150	08/30/2024	ND	5.71	95.2	6.00	5.07	
Total BTEX	2.94	0.300	08/30/2024	ND					GC-NC1

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/30/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	221	111	200	7.44	
DRO >C10-C28*	62.8	10.0	08/28/2024	ND	219	110	200	9.86	
EXT DRO >C28-C36	35.9	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 08/28/2024
 Reported: 08/30/2024
 Project Name: RED HILLS UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: H - 5 (0-0.5') (H245232-05)

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	08/30/2024	ND	1.97	98.4	2.00	4.90		
Toluene*	<0.050	0.050	08/30/2024	ND	1.91	95.5	2.00	5.09		
Ethylbenzene*	<0.050	0.050	08/30/2024	ND	1.92	95.9	2.00	5.27		
Total Xylenes*	<0.150	0.150	08/30/2024	ND	5.71	95.2	6.00	5.07		
Total BTEX	<0.300	0.300	08/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	08/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	221	111	200	7.44	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	219	110	200	9.86	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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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 500
 MIDLAND TX, 79701
 Fax To:

Received: 08/28/2024
 Reported: 08/30/2024
 Project Name: RED HILLS UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: H - 6 (0-0.5') (H245232-06)

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	08/30/2024	ND	1.97	98.4	2.00	4.90		
Toluene*	0.071	0.050	08/30/2024	ND	1.91	95.5	2.00	5.09		
Ethylbenzene*	<0.050	0.050	08/30/2024	ND	1.92	95.9	2.00	5.27		
Total Xylenes*	<0.150	0.150	08/30/2024	ND	5.71	95.2	6.00	5.07		
Total BTEX	<0.300	0.300	08/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	08/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	221	111	200	7.44	
DRO >C10-C28*	2470	10.0	08/28/2024	ND	219	110	200	9.86	
EXT DRO >C28-C36	856	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 185 % 49.1-148

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H245232

Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	James.Kennedy@eogresources.com

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

Project Name:	Red Hills North Unit #102	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	2510	☐ Routine	☒ Rush														None: NO	DI Water: H2O		
Project Location:	Lea County, NM	Due Date:	72 HR														Cool: Cool	MeOH: Me		
Sampler's Name:	GPJ																HCL: HC	HNO3: HN		
PO #:																	H2SO4: H2	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	Yes No													H3PO4: HP		
Received Intact:	Yes No	Thermometer ID:																NaHSO4: NABIS		
Cooler Custody Seals:	Yes No	Correction Factor:																Na2S2O5: NaSO3		
Sample Custody Seals:	Yes No	Temperature Reading:																Zn Acetate+NaOH: Zn		
Total Containers:		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC		
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
H-1 (0-0.5')		8/26/2024		X		Grab	1	X	X	X										
H-2 (0-0.5')		8/26/2024		X		Grab	1	X	X	X										
H-3 (0-0.5')		8/26/2024		X		Grab	1	X	X	X										
H-4 (0-0.5')		8/26/2024		X		Grab	1	X	X	X										
H-5 (0-0.5')		8/26/2024		X		Grab	1	X	X	X										
H-6 (0-0.5')		8/26/2024		X		Grab	1	X	X	X										
													</							

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>Paul</u>		<u>APD</u>	8/7/8.28.24



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April 07, 2025

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: RED HILLS NORTH UNIT #102

Enclosed are the results of analyses for samples received by the laboratory on 04/04/25 14:59.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 1 (1.5') (H252016-01)

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	04/05/2025	ND	1.89	94.7	2.00	6.21	
Toluene*	<0.050	0.050	04/05/2025	ND	1.99	99.7	2.00	3.69	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.98	98.9	2.00	1.66	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.82	97.1	6.00	1.53	
Total BTEX	<0.300	0.300	04/05/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/07/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	215	107	200	1.73	
DRO >C10-C28*	<10.0	10.0	04/04/2025	ND	215	108	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 80.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.8 % 40.6-153

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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 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 2 (1.5') (H252016-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2025	ND	1.89	94.7	2.00	6.21		
Toluene*	<0.050	0.050	04/05/2025	ND	1.99	99.7	2.00	3.69		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.98	98.9	2.00	1.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.82	97.1	6.00	1.53		
Total BTEX	<0.300	0.300	04/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/07/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	215	107	200	1.73	
DRO >C10-C28*	<10.0	10.0	04/04/2025	ND	215	108	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 88.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.3 % 40.6-153

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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 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 3 (2') (H252016-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2025	ND	1.89	94.7	2.00	6.21		
Toluene*	<0.050	0.050	04/05/2025	ND	1.99	99.7	2.00	3.69		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.98	98.9	2.00	1.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.82	97.1	6.00	1.53		
Total BTEX	<0.300	0.300	04/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/07/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	215	107	200	1.73	
DRO >C10-C28*	<10.0	10.0	04/04/2025	ND	215	108	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.3 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 4 (2.5') (H252016-04)

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	04/05/2025	ND	1.89	94.7	2.00	6.21		
Toluene*	<0.050	0.050	04/05/2025	ND	1.99	99.7	2.00	3.69		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.98	98.9	2.00	1.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.82	97.1	6.00	1.53		
Total BTEX	<0.300	0.300	04/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/07/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	215	107	200	1.73	
DRO >C10-C28*	195	10.0	04/04/2025	ND	215	108	200	2.18	
EXT DRO >C28-C36	73.3	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 88.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.3 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 5 (2.5') (H252016-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2025	ND	1.89	94.7	2.00	6.21		
Toluene*	<0.050	0.050	04/05/2025	ND	1.99	99.7	2.00	3.69		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.98	98.9	2.00	1.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.82	97.1	6.00	1.53		
Total BTX	<0.300	0.300	04/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/07/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	215	107	200	1.73	
DRO >C10-C28*	146	10.0	04/04/2025	ND	215	108	200	2.18	
EXT DRO >C28-C36	59.7	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 81.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.1 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 6 (2.5') (H252016-06)

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	04/05/2025	ND	1.89	94.7	2.00	6.21		
Toluene*	<0.050	0.050	04/05/2025	ND	1.99	99.7	2.00	3.69		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.98	98.9	2.00	1.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.82	97.1	6.00	1.53		
Total BTEX	<0.300	0.300	04/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	04/07/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	215	107	200	1.73	
DRO >C10-C28*	191	10.0	04/04/2025	ND	215	108	200	2.18	
EXT DRO >C28-C36	75.0	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 79.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.1 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 7 (2.5') (H252016-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2025	ND	1.89	94.7	2.00	6.21		
Toluene*	<0.050	0.050	04/05/2025	ND	1.99	99.7	2.00	3.69		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.98	98.9	2.00	1.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.82	97.1	6.00	1.53		
Total BTEX	<0.300	0.300	04/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	04/07/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	215	107	200	1.73	
DRO >C10-C28*	463	10.0	04/04/2025	ND	215	108	200	2.18	
EXT DRO >C28-C36	151	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 83.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.8 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 8 (2.5') (H252016-08)

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	04/05/2025	ND	1.89	94.7	2.00	6.21		
Toluene*	<0.050	0.050	04/05/2025	ND	1.99	99.7	2.00	3.69		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.98	98.9	2.00	1.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.82	97.1	6.00	1.53		
Total BTX	<0.300	0.300	04/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	04/07/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	215	107	200	1.73	
DRO >C10-C28*	203	10.0	04/04/2025	ND	215	108	200	2.18	
EXT DRO >C28-C36	81.8	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 76.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.4 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 9 (2.5') (H252016-09)

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	04/05/2025	ND	1.89	94.7	2.00	6.21	
Toluene*	<0.050	0.050	04/05/2025	ND	1.99	99.7	2.00	3.69	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.98	98.9	2.00	1.66	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.82	97.1	6.00	1.53	
Total BTEX	<0.300	0.300	04/05/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/07/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	215	107	200	1.73	
DRO >C10-C28*	185	10.0	04/04/2025	ND	215	108	200	2.18	
EXT DRO >C28-C36	80.3	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 85.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.8 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 10 (2.5') (H252016-10)

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	04/05/2025	ND	1.89	94.7	2.00	6.21		
Toluene*	<0.050	0.050	04/05/2025	ND	1.99	99.7	2.00	3.69		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.98	98.9	2.00	1.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.82	97.1	6.00	1.53		
Total BTEx	<0.300	0.300	04/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/07/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	215	107	200	1.73	
DRO >C10-C28*	146	10.0	04/04/2025	ND	215	108	200	2.18	
EXT DRO >C28-C36	63.2	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 79.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.8 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 11 (2.5') (H252016-11)

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	04/05/2025	ND	1.89	94.7	2.00	6.21		
Toluene*	<0.050	0.050	04/05/2025	ND	1.99	99.7	2.00	3.69		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.98	98.9	2.00	1.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.82	97.1	6.00	1.53		
Total BTEX	<0.300	0.300	04/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	04/07/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	215	107	200	1.73	
DRO >C10-C28*	192	10.0	04/04/2025	ND	215	108	200	2.18	
EXT DRO >C28-C36	77.4	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 83.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 12 (1.5') (H252016-12)

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	04/05/2025	ND	1.89	94.7	2.00	6.21		
Toluene*	<0.050	0.050	04/05/2025	ND	1.99	99.7	2.00	3.69		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.98	98.9	2.00	1.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.82	97.1	6.00	1.53		
Total BTEx	<0.300	0.300	04/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/07/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	201	100	200	0.394	
DRO >C10-C28*	119	10.0	04/04/2025	ND	197	98.3	200	0.161	
EXT DRO >C28-C36	36.5	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 73.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.7 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 13 (1.5') (H252016-13)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2025	ND	1.89	94.7	2.00	6.21		
Toluene*	<0.050	0.050	04/05/2025	ND	1.99	99.7	2.00	3.69		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.98	98.9	2.00	1.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.82	97.1	6.00	1.53		
Total BTX	<0.300	0.300	04/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	04/07/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	201	100	200	0.394	
DRO >C10-C28*	148	10.0	04/04/2025	ND	197	98.3	200	0.161	
EXT DRO >C28-C36	45.4	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 76.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.5 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 14 (1.5') (H252016-14)

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	04/05/2025	ND	1.89	94.7	2.00	6.21		
Toluene*	<0.050	0.050	04/05/2025	ND	1.99	99.7	2.00	3.69		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.98	98.9	2.00	1.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.82	97.1	6.00	1.53		
Total BTEX	<0.300	0.300	04/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/07/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	201	100	200	0.394	
DRO >C10-C28*	114	10.0	04/04/2025	ND	197	98.3	200	0.161	
EXT DRO >C28-C36	53.4	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 67.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.1 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 15 (1.5') (H252016-15)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2025	ND	1.89	94.7	2.00	6.21		
Toluene*	<0.050	0.050	04/05/2025	ND	1.99	99.7	2.00	3.69		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.98	98.9	2.00	1.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.82	97.1	6.00	1.53		
Total BTX	<0.300	0.300	04/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/07/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	201	100	200	0.394	
DRO >C10-C28*	126	10.0	04/04/2025	ND	197	98.3	200	0.161	
EXT DRO >C28-C36	66.6	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 78.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.9 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 16 (1.5') (H252016-16)

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	04/05/2025	ND	1.89	94.7	2.00	6.21		
Toluene*	<0.050	0.050	04/05/2025	ND	1.99	99.7	2.00	3.69		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.98	98.9	2.00	1.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.82	97.1	6.00	1.53		
Total BTEx	<0.300	0.300	04/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/07/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	201	100	200	0.394	
DRO >C10-C28*	127	10.0	04/04/2025	ND	197	98.3	200	0.161	
EXT DRO >C28-C36	60.2	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 76.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.3 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1 (1.5') (H252016-17)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2025	ND	1.89	94.7	2.00	6.21		
Toluene*	<0.050	0.050	04/05/2025	ND	1.99	99.7	2.00	3.69		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.98	98.9	2.00	1.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.82	97.1	6.00	1.53		
Total BTX	<0.300	0.300	04/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	201	100	200	0.394	
DRO >C10-C28*	<10.0	10.0	04/04/2025	ND	197	98.3	200	0.161	
EXT DRO >C28-C36	<10.0	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 66.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.5 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 2 (1.5') (H252016-18)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2025	ND	1.89	94.7	2.00	6.21	
Toluene*	<0.050	0.050	04/05/2025	ND	1.99	99.7	2.00	3.69	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.98	98.9	2.00	1.66	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.82	97.1	6.00	1.53	
Total BTX	<0.300	0.300	04/05/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	201	100	200	0.394	
DRO >C10-C28*	<10.0	10.0	04/04/2025	ND	197	98.3	200	0.161	
EXT DRO >C28-C36	<10.0	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 74.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.4 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 3 (2') (H252016-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2025	ND	1.89	94.7	2.00	6.21		
Toluene*	<0.050	0.050	04/05/2025	ND	1.99	99.7	2.00	3.69		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.98	98.9	2.00	1.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.82	97.1	6.00	1.53		
Total BTEX	<0.300	0.300	04/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	201	100	200	0.394	
DRO >C10-C28*	<10.0	10.0	04/04/2025	ND	197	98.3	200	0.161	
EXT DRO >C28-C36	<10.0	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 76.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.6 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 4 (2') (H252016-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2025	ND	1.89	94.7	2.00	6.21		
Toluene*	<0.050	0.050	04/05/2025	ND	1.99	99.7	2.00	3.69		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.98	98.9	2.00	1.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.82	97.1	6.00	1.53		
Total BTEX	<0.300	0.300	04/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	201	100	200	0.394	
DRO >C10-C28*	<10.0	10.0	04/04/2025	ND	197	98.3	200	0.161	
EXT DRO >C28-C36	<10.0	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 65.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.6 % 40.6-153

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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 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 5 (2.5') (H252016-21)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2025	ND	1.77	88.6	2.00	4.01	
Toluene*	<0.050	0.050	04/05/2025	ND	1.85	92.6	2.00	3.51	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.84	92.0	2.00	3.71	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.27	105	6.00	3.66	
Total BTEX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2025	ND	201	100	200	0.394	
DRO >C10-C28*	111	10.0	04/05/2025	ND	197	98.3	200	0.161	
EXT DRO >C28-C36	55.9	10.0	04/05/2025	ND					

Surrogate: 1-Chlorooctane 86.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 6 (2.5') (H252016-22)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2025	ND	1.77	88.6	2.00	4.01	
Toluene*	<0.050	0.050	04/05/2025	ND	1.85	92.6	2.00	3.51	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.84	92.0	2.00	3.71	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.27	105	6.00	3.66	
Total BTEX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2025	ND	201	100	200	0.394	
DRO >C10-C28*	108	10.0	04/05/2025	ND	197	98.3	200	0.161	
EXT DRO >C28-C36	49.4	10.0	04/05/2025	ND					

Surrogate: 1-Chlorooctane 74.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 7 (2.5') (H252016-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2025	ND	1.77	88.6	2.00	4.01		
Toluene*	<0.050	0.050	04/05/2025	ND	1.85	92.6	2.00	3.51		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.84	92.0	2.00	3.71		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.27	105	6.00	3.66		
Total BTEX	<0.300	0.300	04/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2025	ND	201	100	200	0.394	
DRO >C10-C28*	105	10.0	04/05/2025	ND	197	98.3	200	0.161	
EXT DRO >C28-C36	49.2	10.0	04/05/2025	ND					

Surrogate: 1-Chlorooctane 66.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.0 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 8 (1.5') (H252016-24)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2025	ND	1.77	88.6	2.00	4.01	
Toluene*	<0.050	0.050	04/05/2025	ND	1.85	92.6	2.00	3.51	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.84	92.0	2.00	3.71	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.27	105	6.00	3.66	
Total BTEX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	208	104	200	0.371	
DRO >C10-C28*	97.3	10.0	04/04/2025	ND	205	103	200	1.31	
EXT DRO >C28-C36	36.6	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 80.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.6 % 40.6-153

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 MIDLAND TX, 79701
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Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 9 (1.5') (H252016-25)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2025	ND	1.77	88.6	2.00	4.01	
Toluene*	<0.050	0.050	04/05/2025	ND	1.85	92.6	2.00	3.51	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.84	92.0	2.00	3.71	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.27	105	6.00	3.66	
Total BTEX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	208	104	200	0.371	
DRO >C10-C28*	155	10.0	04/04/2025	ND	205	103	200	1.31	
EXT DRO >C28-C36	46.6	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 80.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.4 % 40.6-153

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 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 10 (1.5') (H252016-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2025	ND	1.77	88.6	2.00	4.01		
Toluene*	<0.050	0.050	04/05/2025	ND	1.85	92.6	2.00	3.51		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.84	92.0	2.00	3.71		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.27	105	6.00	3.66		
Total BTEX	<0.300	0.300	04/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	208	104	200	0.371	
DRO >C10-C28*	113	10.0	04/04/2025	ND	205	103	200	1.31	
EXT DRO >C28-C36	27.6	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 72.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.9 % 40.6-153

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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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:

1452014

Page 1 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	James_Kennedy@eogresources.com

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

Project Name:	Red Hills North Unit #102	Turn Around	☐ Routine ☒ Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes	
Project Number:	2510	Due Date:	24 HR															None: NO	DI Water: H ₂ O
Project Location:	Lea County, NM																	Cool: Cool	MeOH: Me
Sampler's Name:	JM																	HCL: HC	HNO ₃ : HN
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐														H ₃ PO ₄ : HP	
Received Intact:	Yes ☒ No ☐	Thermometer ID:																NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:																Na ₂ S ₂ O ₅ : NaSO ₃	
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:																Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TP													Sample Comments
CS-1 (1.5')	4/4/2025		X		Comp	1	X	X	X											
CS-2 (1.5')	4/4/2025		X		Comp	1	X	X	X											
CS-3 (2')	4/4/2025		X		Comp	1	X	X	X											
CS-4 (2.5')	4/4/2025		X		Comp	1	X	X	X											
CS-5 (2.5')	4/4/2025		X		Comp	1	X	X	X											
CS-6 (2.5')	4/4/2025		X		Comp	1	X	X	X											
CS-7 (2.5')	4/4/2025		X		Comp	1	X	X	X											
CS-8 (2.5')	4/4/2025		X		Comp	1	X	X	X											
CS-9 (2.5')	4/4/2025		X		Comp	1	X	X	X											
CS-10 (2.5')	4/4/2025		X		Comp	1	X	X	X											

Comments: Email to Mike Carmona / Mccarmona@carmonarresources.com and Conner Moehring / Cmoehring@carmonarresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	4-4-25		4-4-25 / 1459

Chain of Custody

Work Order No:

1452016

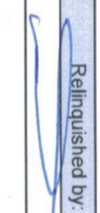
Page 2 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	James_Kennedy@eogresources.com

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

Project Name:	Red Hills North Unit #102	Turn Around	☐ Routine ☒ Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number:	2510	Due Date:	24 HR													None: NO	DI Water: H ₂ O
Project Location:	Lea County, NM															Cool: Cool	MeOH: Me
Sampler's Name:	JM															HCL: HC	HNO ₃ : HN
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes	No	Wet Ice:	Yes	No	Parameters										H ₂ PO ₄ : HP
Received Intact:	Yes	No	Thermometer ID:											NAHSO ₄ : NABIS			
Cooler Custody Seals:	Yes	No	Correction Factor:											Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:	Yes	No	Temperature Reading:											Zn Acetate+NaOH: Zn			
Total Containers:	Yes	No	Corrected Temperature:											NaOH+Ascorbic Acid: SAPC			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments
CS-11 (2.5')	4/4/2025		X		Comp	1	X	X	X								
CS-12 (1.5')	4/4/2025		X		Comp	1	X	X	X								
CS-13 (1.5')	4/4/2025		X		Comp	1	X	X	X								
CS-14 (1.5')	4/4/2025		X		Comp	1	X	X	X								
CS-15 (1.5')	4/4/2025		X		Comp	1	X	X	X								
CS-16 (1.5')	4/4/2025		X		Comp	1	X	X	X								
SW-1 (1.5')	4/4/2025		X		Comp	1	X	X	X								
SW-2 (1.5')	4/4/2025		X		Comp	1	X	X	X								
SW-3 (2)	4/4/2025		X		Comp	1	X	X	X								
SW-4 (2)	4/4/2025		X		Comp	1	X	X	X								

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	4-4-25		4-4-25/1459

Chain of Custody

Work Order No:

HA252014

Page 3 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	James_Kennedy@eogresources.com

Work Order Comments	
Program: UST/PT	☐ PRP ☐ Brownfields ☐ RC ☐ Deepfund
State of Project:	Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables:	EDD ☐ ADAPT ☐ Other:

Project Name:	Red Hills North Unit #102	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:	2510	☐ Routine	☒ Rush														None: NO	DI Water: H ₂ O			
Project Location:	Lea County, NM	Due Date:	24 HR														Cool: Cool	MeOH: Me			
Sampler's Name:	JM													HCL: HC	HNO ₃ : HN						
PO #:														H ₂ SO ₄ : H ₂	NaOH: Na						
SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐													H ₃ PO ₄ : HP			
Received Intact:	Yes ☒ No ☐	Thermometer ID:	#148													NaHSO ₄ : NABIS					
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:	+0.3°C													Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:	3.1°C													Zn Acetate+NaOH: Zn					
Total Containers:		Corrected Temperature:	3.4°C													NaOH+Ascorbic Acid: SAPC					
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
SW-5 (2.5')		4/4/2025		X		Comp	1	X	X	X											
SW-6 (2.5')		4/4/2025		X		Comp	1	X	X	X											
SW-7 (2.5')		4/4/2025		X		Comp	1	X	X	X											
SW-8 (1.5')		4/4/2025		X		Comp	1	X	X	X											
SW-9 (1.5')		4/4/2025		X		Comp	1	X	X	X											
SW-10 (1.5')		4/4/2025		X		Comp	1	X	X	X											

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	4-4-25		4-4-25/1459



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

April 09, 2025

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: RED HILLS NORTH UNIT #102

Enclosed are the results of analyses for samples received by the laboratory on 04/08/25 14:13.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-4 (2.75') (H252091-01)

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	04/08/2025	ND	1.95	97.4	2.00	4.76		
Toluene*	<0.050	0.050	04/08/2025	ND	1.84	92.1	2.00	3.74		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.84	92.1	2.00	0.903		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.54	92.3	6.00	0.121		
Total BTEX	<0.300	0.300	04/08/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/09/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/08/2025	ND	202	101	200	4.45		
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	189	94.7	200	5.10		
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND						

Surrogate: 1-Chlorooctane 95.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.8 % 40.6-153

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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 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-5 (2.75') (H252091-02)

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	04/08/2025	ND	1.93	96.5	2.00	2.56	
Toluene*	<0.050	0.050	04/08/2025	ND	2.01	101	2.00	8.81	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.22	111	2.00	11.3	QM-07
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.74	112	6.00	11.4	
Total BTX	<0.300	0.300	04/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/09/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2025	ND	202	101	200	4.45	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	189	94.7	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 88.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-6 (2.75') (H252091-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2025	ND	1.93	96.5	2.00	2.56		
Toluene*	<0.050	0.050	04/08/2025	ND	2.01	101	2.00	8.81		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.22	111	2.00	11.3		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.74	112	6.00	11.4		
Total BTEx	<0.300	0.300	04/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/09/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2025	ND	202	101	200	4.45	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	189	94.7	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 94.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.9 % 40.6-153

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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 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-7 (2.75') (H252091-04)

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	04/08/2025	ND	1.93	96.5	2.00	2.56		
Toluene*	<0.050	0.050	04/08/2025	ND	2.01	101	2.00	8.81		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.22	111	2.00	11.3		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.74	112	6.00	11.4		
Total BTEX	<0.300	0.300	04/08/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/09/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2025	ND	202	101	200	4.45	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	189	94.7	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 86.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-8 (2.75') (H252091-05)

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	04/08/2025	ND	1.93	96.5	2.00	2.56	
Toluene*	<0.050	0.050	04/08/2025	ND	2.01	101	2.00	8.81	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.22	111	2.00	11.3	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.74	112	6.00	11.4	
Total BTEX	<0.300	0.300	04/08/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/09/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2025	ND	202	101	200	4.45	
DRO >C10-C28*	<10.0	10.0	04/09/2025	ND	189	94.7	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	04/09/2025	ND					

Surrogate: 1-Chlorooctane 91.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.8 % 40.6-153

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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 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-9 (2.75') (H252091-06)

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	04/08/2025	ND	1.93	96.5	2.00	2.56		
Toluene*	<0.050	0.050	04/08/2025	ND	2.01	101	2.00	8.81		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.22	111	2.00	11.3		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.74	112	6.00	11.4		
Total BTEX	<0.300	0.300	04/08/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/09/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2025	ND	202	101	200	4.45	
DRO >C10-C28*	<10.0	10.0	04/09/2025	ND	189	94.7	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	04/09/2025	ND					

Surrogate: 1-Chlorooctane 92.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.9 % 40.6-153

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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 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-10 (2.75') (H252091-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2025	ND	1.93	96.5	2.00	2.56		
Toluene*	<0.050	0.050	04/08/2025	ND	2.01	101	2.00	8.81		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.22	111	2.00	11.3		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.74	112	6.00	11.4		
Total BTEX	<0.300	0.300	04/08/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/09/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2025	ND	202	101	200	4.45	
DRO >C10-C28*	<10.0	10.0	04/09/2025	ND	189	94.7	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	04/09/2025	ND					

Surrogate: 1-Chlorooctane 91.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-11 (2.75') (H252091-08)

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	04/08/2025	ND	1.93	96.5	2.00	2.56		
Toluene*	<0.050	0.050	04/08/2025	ND	2.01	101	2.00	8.81		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.22	111	2.00	11.3		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.74	112	6.00	11.4		
Total BTX	<0.300	0.300	04/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/09/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2025	ND	202	101	200	4.45	
DRO >C10-C28*	<10.0	10.0	04/09/2025	ND	189	94.7	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	04/09/2025	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.2 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-12 (1.75') (H252091-09)

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	04/08/2025	ND	1.93	96.5	2.00	2.56		
Toluene*	<0.050	0.050	04/08/2025	ND	2.01	101	2.00	8.81		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.22	111	2.00	11.3		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.74	112	6.00	11.4		
Total BTEX	<0.300	0.300	04/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/09/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2025	ND	202	101	200	4.45	
DRO >C10-C28*	44.1	10.0	04/09/2025	ND	189	94.7	200	5.10	
EXT DRO >C28-C36	39.2	10.0	04/09/2025	ND					

Surrogate: 1-Chlorooctane 93.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.8 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-13 (1.75') (H252091-10)

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	04/08/2025	ND	1.93	96.5	2.00	2.56		
Toluene*	<0.050	0.050	04/08/2025	ND	2.01	101	2.00	8.81		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.22	111	2.00	11.3		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.74	112	6.00	11.4		
Total BTEx	<0.300	0.300	04/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/09/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2025	ND	202	101	200	4.45	
DRO >C10-C28*	<10.0	10.0	04/09/2025	ND	189	94.7	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	04/09/2025	ND					

Surrogate: 1-Chlorooctane 89.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.5 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-14 (1.75') (H252091-11)

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	04/08/2025	ND	1.93	96.5	2.00	2.56		
Toluene*	<0.050	0.050	04/08/2025	ND	2.01	101	2.00	8.81		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.22	111	2.00	11.3		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.74	112	6.00	11.4		
Total BTEX	<0.300	0.300	04/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/09/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2025	ND	202	101	200	4.45	
DRO >C10-C28*	<10.0	10.0	04/09/2025	ND	189	94.7	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	04/09/2025	ND					

Surrogate: 1-Chlorooctane 93.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.6 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-15 (1.75') (H252091-12)

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	04/08/2025	ND	1.93	96.5	2.00	2.56		
Toluene*	<0.050	0.050	04/08/2025	ND	2.01	101	2.00	8.81		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.22	111	2.00	11.3		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.74	112	6.00	11.4		
Total BTEX	<0.300	0.300	04/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/09/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2025	ND	202	101	200	4.45	
DRO >C10-C28*	<10.0	10.0	04/09/2025	ND	189	94.7	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	04/09/2025	ND					

Surrogate: 1-Chlorooctane 88.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.7 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-16 (1.75') (H252091-13)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2025	ND	1.93	96.5	2.00	2.56	
Toluene*	<0.050	0.050	04/08/2025	ND	2.01	101	2.00	8.81	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.22	111	2.00	11.3	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.74	112	6.00	11.4	
Total BTX	<0.300	0.300	04/08/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/09/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2025	ND	195	97.7	200	0.497	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	190	95.0	200	0.0537	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 90.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.0 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-17 (4') (H252091-14)

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	04/08/2025	ND	1.93	96.5	2.00	2.56		
Toluene*	<0.050	0.050	04/08/2025	ND	2.01	101	2.00	8.81		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.22	111	2.00	11.3		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.74	112	6.00	11.4		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/09/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2025	ND	195	97.7	200	0.497	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	190	95.0	200	0.0537	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 79.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.5 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-18 (4') (H252091-15)

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	04/08/2025	ND	1.93	96.5	2.00	2.56		
Toluene*	<0.050	0.050	04/08/2025	ND	2.01	101	2.00	8.81		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.22	111	2.00	11.3		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.74	112	6.00	11.4		
Total BTEX	<0.300	0.300	04/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/09/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2025	ND	195	97.7	200	0.497	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	190	95.0	200	0.0537	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-19 (4') (H252091-16)

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	04/08/2025	ND	1.93	96.5	2.00	2.56		
Toluene*	<0.050	0.050	04/08/2025	ND	2.01	101	2.00	8.81		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.22	111	2.00	11.3		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.74	112	6.00	11.4		
Total BTEX	<0.300	0.300	04/08/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/09/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2025	ND	195	97.7	200	0.497	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	190	95.0	200	0.0537	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.0 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW- 5 (2.75') (H252091-17)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2025	ND	1.93	96.5	2.00	2.56		
Toluene*	<0.050	0.050	04/08/2025	ND	2.01	101	2.00	8.81		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.22	111	2.00	11.3		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.74	112	6.00	11.4		
Total BTX	<0.300	0.300	04/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/09/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2025	ND	195	97.7	200	0.497	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	190	95.0	200	0.0537	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 86.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.4 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW- 6 (2.75') (H252091-18)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2025	ND	1.93	96.5	2.00	2.56		
Toluene*	<0.050	0.050	04/08/2025	ND	2.01	101	2.00	8.81		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.22	111	2.00	11.3		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.74	112	6.00	11.4		
Total BTX	<0.300	0.300	04/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/09/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2025	ND	195	97.7	200	0.497	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	190	95.0	200	0.0537	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 78.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.8 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW- 7 (2.75') (H252091-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2025	ND	1.93	96.5	2.00	2.56		
Toluene*	<0.050	0.050	04/08/2025	ND	2.01	101	2.00	8.81		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.22	111	2.00	11.3		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.74	112	6.00	11.4		
Total BTEx	<0.300	0.300	04/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/09/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2025	ND	195	97.7	200	0.497	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	190	95.0	200	0.0537	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 86.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.8 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW- 8 (1.75') (H252091-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2025	ND	1.93	96.5	2.00	2.56		
Toluene*	<0.050	0.050	04/08/2025	ND	2.01	101	2.00	8.81		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.22	111	2.00	11.3		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.74	112	6.00	11.4		
Total BTEX	<0.300	0.300	04/08/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/09/2025	ND	464	116	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	04/08/2025	ND	195	97.7	200	0.497	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	190	95.0	200	0.0537	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 77.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.6 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW- 9 (1.75') (H252091-21)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2025	ND	1.93	96.5	2.00	2.56	
Toluene*	<0.050	0.050	04/08/2025	ND	2.01	101	2.00	8.81	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.22	111	2.00	11.3	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.74	112	6.00	11.4	
Total BTEX	<0.300	0.300	04/08/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/09/2025	ND	464	116	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	04/08/2025	ND	195	97.7	200	0.497	
DRO >C10-C28*	14.6	10.0	04/08/2025	ND	190	95.0	200	0.0537	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.3 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW-10 (1.75') (H252091-22)

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	04/08/2025	ND	2.06	103	2.00	5.41	
Toluene*	<0.050	0.050	04/08/2025	ND	2.12	106	2.00	3.43	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.06	103	2.00	2.47	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.05	101	6.00	2.43	
Total BTX	<0.300	0.300	04/08/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/09/2025	ND	464	116	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	04/08/2025	ND	195	97.7	200	0.497	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	190	95.0	200	0.0537	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 79.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.9 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW-11 (4') (H252091-23)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2025	ND	2.06	103	2.00	5.41	
Toluene*	<0.050	0.050	04/08/2025	ND	2.12	106	2.00	3.43	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.06	103	2.00	2.47	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.05	101	6.00	2.43	
Total BTEX	<0.300	0.300	04/08/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/09/2025	ND	464	116	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	04/08/2025	ND	195	97.7	200	0.497	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	190	95.0	200	0.0537	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 85.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.1 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW-12 (4') (H252091-24)

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	04/08/2025	ND	2.06	103	2.00	5.41	
Toluene*	<0.050	0.050	04/08/2025	ND	2.12	106	2.00	3.43	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.06	103	2.00	2.47	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.05	101	6.00	2.43	
Total BTX	<0.300	0.300	04/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/09/2025	ND	464	116	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	04/08/2025	ND	195	97.7	200	0.497	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	190	95.0	200	0.0537	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 78.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW-13 (4') (H252091-25)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2025	ND	2.06	103	2.00	5.41	
Toluene*	<0.050	0.050	04/08/2025	ND	2.12	106	2.00	3.43	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.06	103	2.00	2.47	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.05	101	6.00	2.43	
Total BTEX	<0.300	0.300	04/08/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/09/2025	ND	464	116	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	04/08/2025	ND	195	97.7	200	0.497	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	190	95.0	200	0.0537	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/08/2025
 Reported: 04/09/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW-14 (4') (H252091-26)

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	04/08/2025	ND	2.06	103	2.00	5.41	
Toluene*	<0.050	0.050	04/08/2025	ND	2.12	106	2.00	3.43	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.06	103	2.00	2.47	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.05	101	6.00	2.43	
Total BTX	<0.300	0.300	04/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/09/2025	ND	464	116	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	04/08/2025	ND	195	97.7	200	0.497	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	190	95.0	200	0.0537	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 78.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 485004

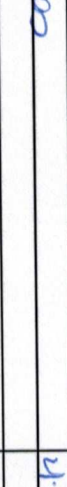
Page 1 of 3

Project Manager:	Commer Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-6823	Email:	James_Kennedy@eogresources.com

Project Name:		Red Hills North Unit #102	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:		2510	☐ Routine ☒ Rush														None: NO	DI Water: H ₂ O	
Project Location:		Lea County, NM	Due Date:	24 HR													Cool: Cool	MeOH: Me	
Sampler's Name:		JM															HCL: HC	HNO ₃ : HN	
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes (No)	Wet Ice:	Yes (No)													H ₃ PO ₄ : HP	
Received Intact:		Yes (No)		Thermometer ID:														NaHSO ₄ : NABIS	
Cooler Custody Seals:		Yes (No)		Correction Factor:														Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:		Yes (No)		Temperature Reading:														Zn Acetate+NaOH: Zn	
Total Containers:				Corrected Temperature:														NaOH+Ascorbic Acid: SAPC	

Program: UST/PST		☐ PRP	☐ Brownfields	☐ IRC	☐ perfund
State of Project:					
Reporting Level II		☐ Level III	☐ ST/UST	☐ RRP	☐ Level IV
Deliverables: EDD		☐ ADAPT	☐ Other:		

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	4-8-25@14:13		4-8-25@14:13

Chain of Custody

Work Order No: H358791

Page 2 of 3

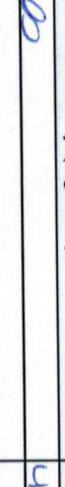
Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	James.Kennedy@eogresources.com

Program: UST/PST ☐ PRP ☐ Ironfields ☐ JRC ☐ Infield ☐	
State of Project: ☐ Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Reporting Level: ☐ Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other: ☐	

Project Name:	Red Hills North Unit #102	Turn Around	☐ Routine ☒ Rush	Due Date:	24 HR	Pres. Code		ANALYSIS REQUEST										Preservative Codes			
Project Number:	2510							None: NO	DI Water: H ₂ O												
Project Location:	Lea County, NM							Cool: Cool	MeOH: Me												
Sample's Name:	JM							HCL: HC	HNO ₃ : HN												
PO #:								H ₂ SO ₄ : H ₂	NaOH: Na												
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐				H ₃ PO ₄ : HP													
Received In tact:	Yes ☒ No ☐	Thermometer ID:						NaHSO ₄ : NABIS													
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:						Na ₂ S ₂ O ₃ : NaSO ₃													
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:						Zn Acetate+NaOH: Zn													
Total Containers:		Corrected Temperature:						NaOH+Ascorbic Acid: SAPC													

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Sample Comments
CS-14 (1.75')	4/7/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X	
CS-15 (1.75')	4/7/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X	
CS-16 (1.75')	4/7/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X	
CS-17 (4')	4/7/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X	
CS-18 (4')	4/7/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X	
CS-19 (4')	4/7/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X	
SW-5 (2.75')	4/7/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X	
SW-6 (2.75')	4/7/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X	
SW-7 (2.75')	4/7/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X	
SW-8 (1.75')	4/7/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X	

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	4-8-25 014130		4-8-25/1413

Chain of Custody

Work Order No: 14352091

Page 3 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-6823	Email:	James_Kennedy@eogresources.com

Project Name:	Red Hills North Unit #102	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	2510	☐ Routine ☒ Rush														None: NO	DI Water: H ₂ O		
Project Location:	Lea County, NM	Due Date:	24 HR													Cool: Cool	MeOH: Me		
Sampler's Name:	JM															HCL: HC	HNO ₃ : HN		
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Thermometer ID:	Wet Ice:	Yes ☒ No ☐													H ₃ PO ₄ : HP	
Received Intact:	Yes ☒ No ☐	Correction Factor:																NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes ☒ No ☐ N/A	Temperature Reading:																Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes ☒ No ☐ N/A	Corrected Temperature:																Zn Acetate+NaOH: Zn	
Total Containers:																		NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments											
SW-9 (1.75')	4/7/2025		X		Comp	1	BTEX 8021B																							
SW-10 (1.75')	4/7/2025		X		Comp	1	TPH 8015M (GRO + DRO + MRO)																							
SW-11 (4')	4/7/2025		X		Comp	1	Chloride 4500																							
SW-12 (4')	4/7/2025		X		Comp	1																								
SW-13 (4')	4/7/2025		X		Comp	1																								
SW-14 (4')	4/7/2025		X		Comp	1																								

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	4-8-25@14:13		4/8/25/1413



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

April 14, 2025

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: RED HILLS NORTH UNIT #102

Enclosed are the results of analyses for samples received by the laboratory on 04/11/25 12:39.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/11/2025
 Reported: 04/14/2025
 Project Name: RED HILLS NORTH UNIT #102
 Project Number: 2510
 Project Location: EOG - LEA CO., NM

Sampling Date: 04/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HYDROSOURCE PIT - BACKFILL (H252166-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2025	ND	2.16	108	2.00	0.742	
Toluene*	<0.050	0.050	04/12/2025	ND	2.20	110	2.00	0.627	
Ethylbenzene*	<0.050	0.050	04/12/2025	ND	2.05	103	2.00	1.94	
Total Xylenes*	<0.150	0.150	04/12/2025	ND	6.11	102	6.00	1.22	
Total BTX	<0.300	0.300	04/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/14/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2025	ND	185	92.4	200	3.43	
DRO >C10-C28*	<10.0	10.0	04/11/2025	ND	183	91.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	04/11/2025	ND					

Surrogate: 1-Chlorooctane 71.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No:

Hassall

Page 1 of 1[illegible]

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 594315

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 594315
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2509152420
Incident Name	NAPP2509152420 RED HILLS NORTH UNIT #102 @ 30-025-32748
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-32748] RED HILLS NORTH UNIT #102

Location of Release Source*Please answer all the questions in this group.*

Site Name	Red Hills North Unit #102
Date Release Discovered	08/19/2024
Surface Owner	Federal

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

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

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

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Separator Produced Water Released: 10 BBL Recovered: 1 BBL Lost: 9 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Initially the release was reported as less than 5 bbls. During the course of the soil assessment activities it was discovered that the release was greater than 5 bbls.

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QUESTIONS, Page 2

Action 594315

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 594315
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Hadlie Stout Title: Environmental Representative II Email: Hadlie_stout@eogresources.com Date: 06/10/2026
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QUESTIONS, Page 3

Action 594315

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID:
	7377
	Action Number:
	594315
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	208
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	28700
GRO+DRO (EPA SW-846 Method 8015M)	25900
BTEX (EPA SW-846 Method 8021B or 8260B)	442
Benzene (EPA SW-846 Method 8021B or 8260B)	52.1

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	04/02/2025
On what date will (or did) the final sampling or liner inspection occur	04/08/2025
On what date will (or was) the remediation complete(d)	04/10/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	2000
What is the estimated volume (in cubic yards) that will be remediated	340

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 594315

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 594315
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112340644 R360 ARTESIA LLC LANDFARM
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Hadlie Stout Title: Environmental Representative II Email: Hadlie_stout@eogresources.com Date: 06/10/2026
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 594315

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
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QUESTIONS

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

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Action 594315

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID:
	7377
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	594315
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	448513
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/08/2025
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	300

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2000
What was the total volume (cubic yards) remediated	340
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	excavation of impacted soil
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Hadlie Stout Title: Environmental Representative II Email: Hadlie_stout@eogresources.com Date: 06/10/2026

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QUESTIONS, Page 7

Action 594315

QUESTIONS (continued)

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QUESTIONS

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

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CONDITIONS

Action 594315

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 594315
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	7/7/2026