



SITE INFORMATION

Closure Report
West Gama Ridge 8-5 Fed 2H (05.14.19)
Incident ID: NAB1915746595
Lea County, New Mexico
Unit N Sec 08 T22S R34E
32.3997392°, -103.4941176°

Point of Release:
Cap on H-pump failed resulting in spill from tank
Release Date: 05.14.2019
Volume Released: 260 Barrels of Produced Water
Volume Recovered: 60 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Cimarex Energy Co.
600 N. Marienfeld Street
Suite 300N
Midland, Texas 79701

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

TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT ACTIVITIES

5.0 CONCLUSION

FIGURES

FIGURE 1 OVERVIEW FIGURE 2 TOPOGRAPHIC

FIGURE 3 SAMPLE LOCATION

APPENDICES

APPENDIX A TABLES

APPENDIX B PHOTOS

APPENDIX C NMOCD CORRESPONDENCE

APPENDIX D SITE CHARACTERIZATION AND GROUNDWATER

APPENDIX E LABORATORY REPORTS

February 20, 2024

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

Re: Closure Report
West Gama Ridge 8-5 Fed 2H (05.14.19)
Cimarex Energy Co.
Site Location: Unit N, S08 T22S, R34E
(Lat 32.3997392°, Long -103.4941176°)
Lea County, New Mexico

To whom it may concern:

On behalf of Cimarex Energy Co. (Cimarex), Carmona Resources, LLC has prepared this letter to document site activities for the West Gama Ridge 8-5 Fed 2H (05.14.19). The site is located at 32.3997392°, -103.4941176° within Unit N, S08, T22S, R34E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the spill was discovered on May 14, 2019, caused by the cap on the fillers for the H-pump failed and cracked resulting in water to spill from the tank. It resulted in approximately two-hundred sixty (260) barrels of produced water being released, and sixty (60) barrels of produced water were recovered. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest groundwater determination bore is located approximately 0.64 miles Southwest of the site in S18, T22S, R34E and was drilled in 2023. The well has a reported depth to groundwater of 487 feet below ground surface (ft bgs).

On February 8, 2024, Carmona Resources, LLC requested a groundwater variance to utilize the above-referenced water well for closure criteria purposes. The variance request was approved on February 20, 2024. A copy of the correspondence 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: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 20,000 mg/kg.

4.0 Site Assessment Activities

On February 7, 2024, Carmona Resources performed site assessment activities to evaluate soil impacts. To assess the vertical and horizontal extent, seven (7) sample points (BH-1 through BH-7) and six (6) horizontal sample points (BH-8 through BH-13) were advanced to depths ranging from the surface to 20' bgs inside the area of concern. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 1. See Figure 3 for the sample locations.

5.0 Conclusion

Based on the assessment results and the analytical data, no further actions are required at the site. Cimarex formally requests the closure of this release. 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



Gilbert Priego Jr.
Project Manager



Ashton Thielke
Sr. Project Manager

FIGURES

CARMONA RESOURCES

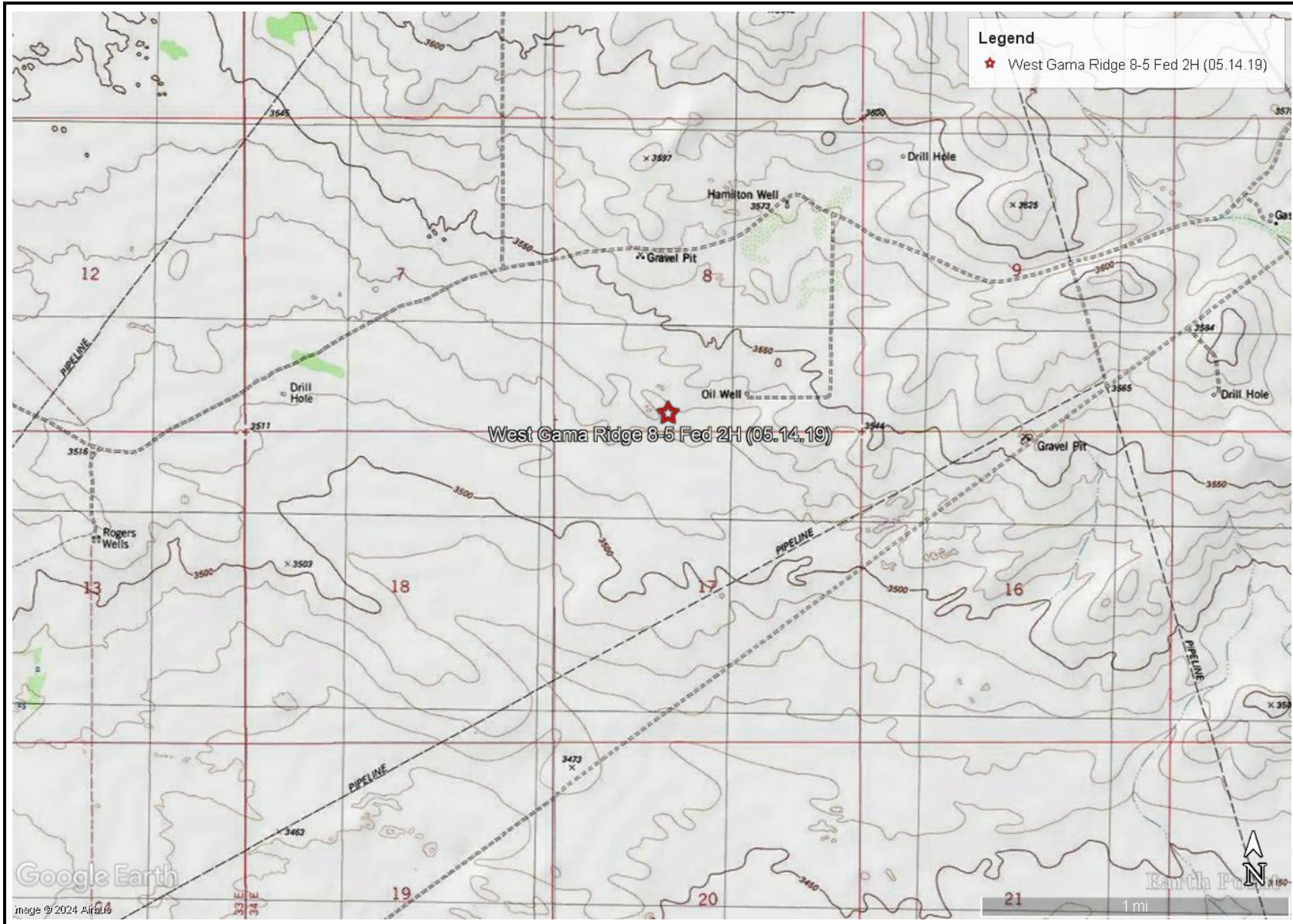




OVERVIEW MAP
CIMAREX ENERGY CO.
WEST GAMA RIDGE 8-5 FED 2H (05.14.19)
LEA COUNTY, NEW MEXICO
32.3997392°, -103.4941176°



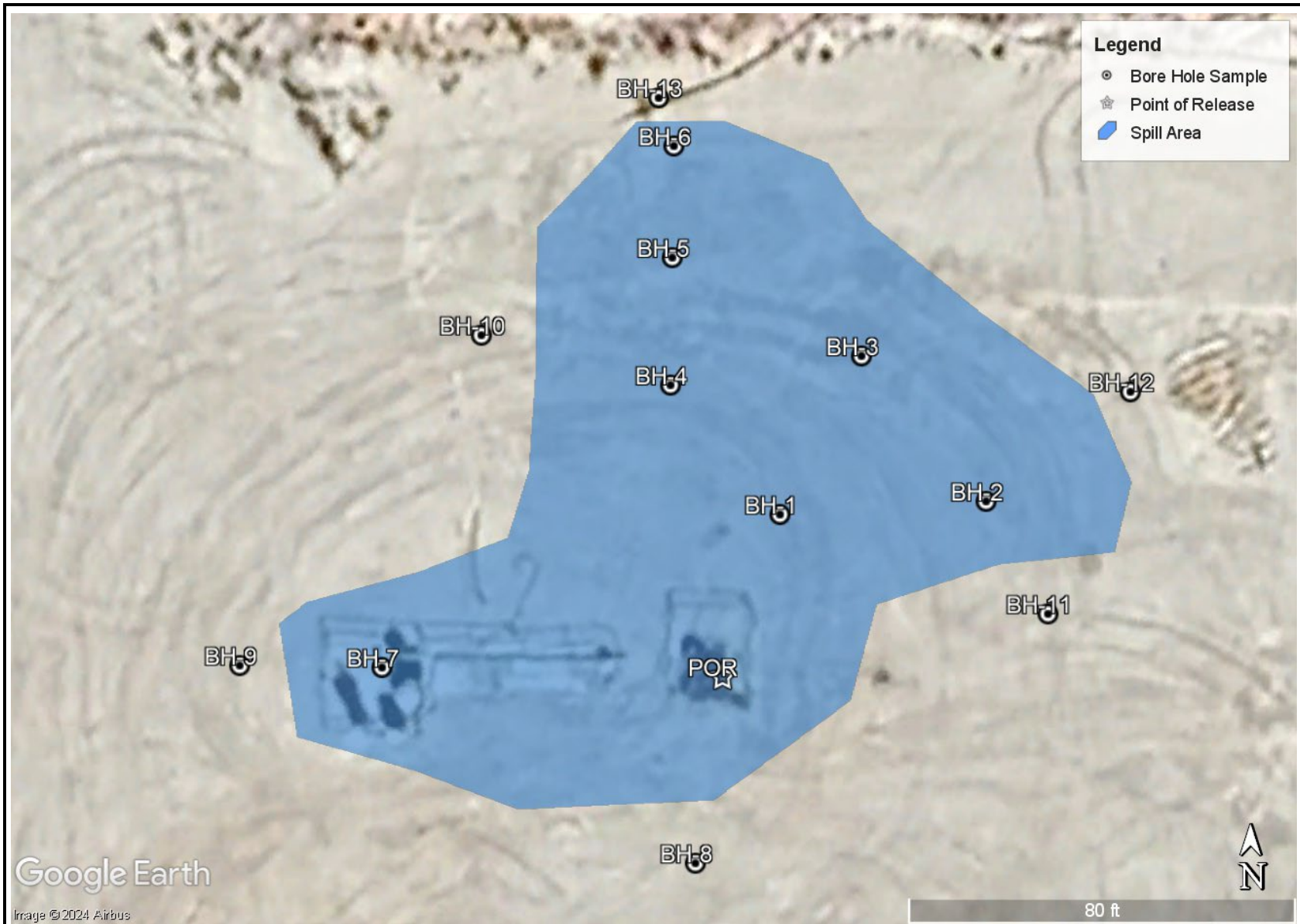
FIGURE 1



TOPOGRAPHIC MAP
CIMAREX ENERGY CO.
WEST GAMA RIDGE 8-5 FED 2H (05.14.19)
LEA COUNTY, NEW MEXICO
32.3997392°, -103.4941176°



FIGURE 2



SAMPLE LOCATION MAP
CIMAREX ENERGY CO.
WEST GAMA RIDGE 8-5 FED 2H (05.14.19)
LEA COUNTY, NEW MEXICO
32.3997392°, -103.4941176°



FIGURE 3

APPENDIX A

CARMONA RESOURCES



Table 1
Cimarex Energy Co.
West Grama Ridge 8-5 Federal #002H (05.14.2019)
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						
BH-1	2/7/2024	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	544
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	464
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	512
	"	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,410
	"	6	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	928
	"	7	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	832
	"	8	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	512
	"	9	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
	"	10	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
BH-2	2/7/2024	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	736
	"	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
	"	6	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
	"	7	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	"	8	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
BH-3	2/7/2024	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
	"	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	592
	"	6	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,120
	"	7	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	864
	"	8	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	496
BH-4	2/7/2024	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,340
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	720
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
	"	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
BH-5	2/7/2024	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
	"	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	832
	"	6	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,360
	"	7	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,760
	"	8	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,920
	"	9	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,120
	"	10	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,880
	"	11	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,320
	"	12	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,840
	"	13	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,640
	"	14	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,560
	"	15	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,880
	"	16	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,040
	"	17	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	832
	"	18	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	736
	"	19	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
	"	20	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed
^A - Table 1 - 19.15.29 NMAC
 mg/kg - milligram per kilogram
 TPH - Total Petroleum Hydrocarbons
 ft - feet
 (BH) - Bore Hole

Table 1
Cimarex Energy Co.
West Grama Ridge 8-5 Federal #002H (05.14.2019)
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						
BH-6	2/7/2024	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	576
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	656
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	528
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	672
	"	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
	"	6	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
	"	7	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
		8	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
BH-7	2/7/2024	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560
	"	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,140
	"	6	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	800
	"	7	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	624
	"	8	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
	"	9	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
	"	10	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
Horizontal Sample Points												
BH-8	2/7/2024	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
BH-9	2/7/2024	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
BH-10	2/7/2024	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
BH-11	2/7/2024	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
BH-12	2/7/2024	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
BH-13	2/7/2024	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Regulatory Criteria^A			1,000 mg/kg		2,500 mg/kg		10 mg/kg				50 mg/kg 20,000 mg/kg	

(-) Not Analyzed
^A - Table 1 - 19.15.29 NMAC
 mg/kg - milligram per kilogram
 TPH - Total Petroleum Hydrocarbons
 ft - feet
 (BH) - Bore Hole

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

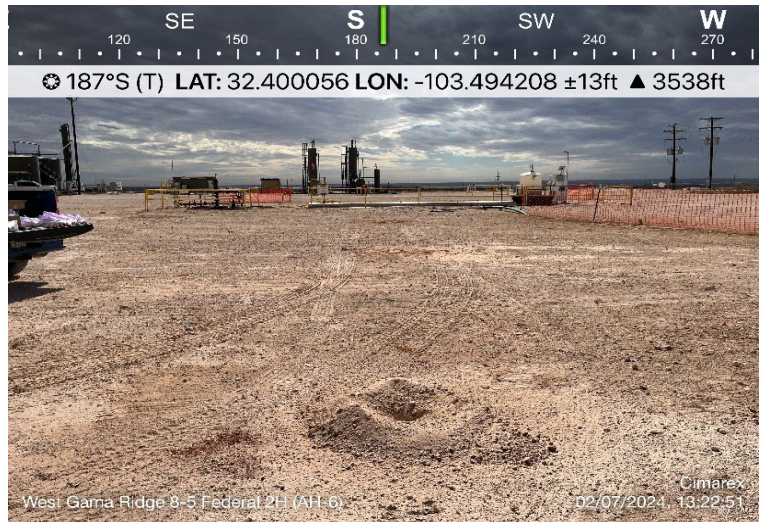
Cimarex Energy Co.

Photograph No. 1

Facility: West Gama Ridge 8-5 Fed 2H
(05.14.19)

County: Lea County, New Mexico

Description:
View South, area of BH-1 and BH-4 through BH-6.



Photograph No. 2

Facility: West Gama Ridge 8-5 Fed 2H
(05.14.19)

County: Lea County, New Mexico

Description:
View East, area of BH-2 through BH-3 and BH-11 through BH-12.

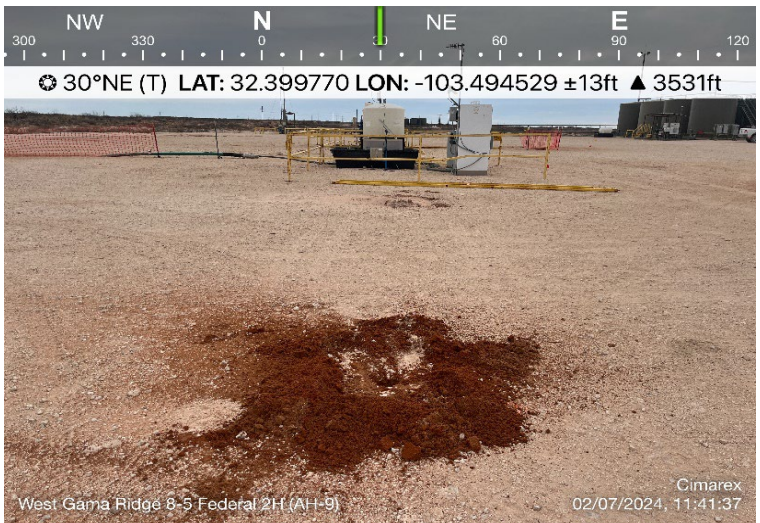


Photograph No. 3

Facility: West Gama Ridge 8-5 Fed 2H
(05.14.19)

County: Lea County, New Mexico

Description:
View Northeast, area of BH-7 and BH-9.



PHOTOGRAPHIC LOG

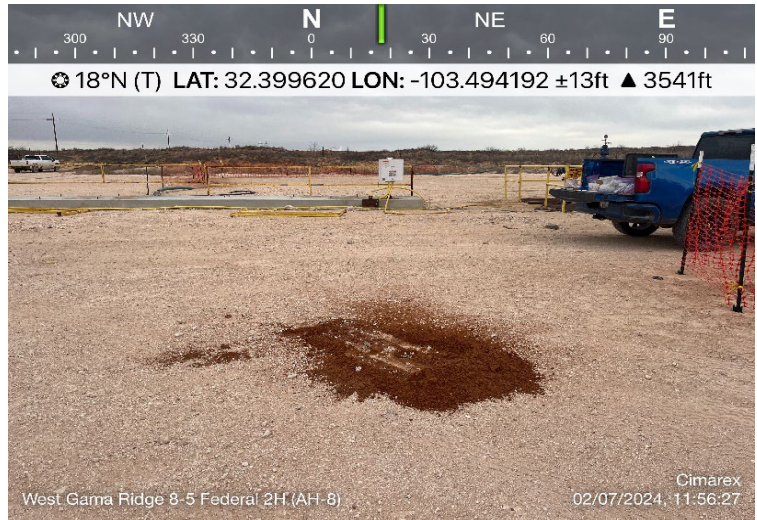
Cimarex Energy Co.

Photograph No. 4

Facility: West Gama Ridge 8-5 Fed 2H
(05.14.19)

County: Lea County, New Mexico

Description:
View North, area of BH-8.



APPENDIX C

CARMONA RESOURCES



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

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

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

Incident ID	NAB1915746595
District RP	1RP-5532
Facility ID	
Application ID	pAB1915746326

Release Notification

Responsible Party

Responsible Party Cimarex Energy	OGRID 215099
Contact Name Christine Alderman	Contact Telephone 432-853-7059
Contact email calderman@cimarex.com	Incident # (assigned by OCD) NAB1915746595
Contact mailing address 600 N Marienfeld Ste 60, Midland, TX 79701	

Location of Release Source

Latitude 32.3997392 _____ Longitude -103.4941176 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name West Grama Ridge 8-5 Fed 2H	Site Type production battery
Date Release Discovered 5/14/2019	API# (if applicable) 30-025-43554

Unit Letter	Section	Township	Range	County
N	08	22S	34E	Lea

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 260	Volume Recovered (bbls) 60
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

The cap on the filters for the H-pump failed and cracked, causing water to spill from tank.

State of New Mexico
Oil Conservation Division

Incident ID	NAB1915746595
District RP	1RP-5532
Facility ID	
Application ID	pAB1915746326

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The release was >25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes Christine Alderman Jim Griswold, NM district 1 general email. 5/15/2019	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Christine Alderman</u> Title: <u>ESH Supervisor</u> Signature: <u><i>Christine Alderman</i></u> Date: <u>5/14/2019</u> email: <u>calderman@cimarex.com</u> Telephone: <u>432-853-7059</u>
OCD Only Received by: <u>Amalia Bustamante</u> Date: <u>6/6/2019</u>

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

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

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

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

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

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

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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

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

QUESTIONS

Action 314961

QUESTIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 314961
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1915746595
Incident Name	NAB1915746595 WEST GRAMA RIDGE 8 5 FEDERAL #002H @ 30-025-43554
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-43554] WEST GRAMA RIDGE 8 5 FEDERAL #002H

Location of Release Source	
Site Name	WEST GRAMA RIDGE 8 5 FEDERAL #002H
Date Release Discovered	05/14/2019
Surface Owner	State

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	18,000
What is the estimated number of samples that will be gathered	13
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/07/2024
Time sampling will commence	11:00 AM
 <i>Warning: Notification can not be less than two business days prior to conducting final sampling.</i>	
Please provide any information necessary for observers to contact samplers	Gilbert Priego - 432-813-7389 Site assessment sampling with drilling rig, sample results turned out to be less than regulatory clean up standard for medium/deep groundwater. No remediation required until reclamation
Please provide any information necessary for navigation to sampling site	32.3997392,-103.4941176

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State of New Mexico
Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

CONDITIONS

Action 314961

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 314961
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
lluig	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.	2/15/2024

Ashton Thielke

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Tuesday, February 20, 2024 10:43 AM
To: Ashton Thielke
Cc: DL_Permian Environmental
Subject: Re: [EXTERNAL] NAB1915746595 - West Grama Ridge 8-5 Fed #002H - NMAC 19.15.29.11.A.4 - Groundwater Variance

WARNING: This email originated from outside of Coterra Energy. Do not click links or open attachments unless you recognize the sender, are expecting the content and know it is safe.

Good morning Ashton,

Thank you for the solicitation. My apology for the delay in response. Your variance request to 19.15.29.11A (4) NMAC is approved.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>



From: Ashton Thielke <Ashton.Thielke@coterra.com>
Sent: Thursday, February 8, 2024 10:16 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: DL_Permian Environmental <DL_PermianEnvironmental@coterra.com>
Subject: [EXTERNAL] NAB1915746595 - West Grama Ridge 8-5 Fed #002H - NMAC 19.15.29.11.A.4 - Groundwater Variance

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

Good afternoon Mr. Velez

We are requesting a variance to NMAC 19.15.29.11.A.4 for the above mentioned NMOCD incident #.

The above mentioned site recently had a release on May 14, 2019 and has since been mapped out and is being assessed.

The closest groundwater data we have for this site is approximately ~0.64 miles Southwest of the site at a depth of 487'

(See attachment for documentation/well log).

Additional water wells found during a desktop review to suggest that groundwater is > 400'.

The release was fully contained on pad and did not spread to any pasture or roadway and has no impacts to surface/ground water.

The site is **NOT** located in a high karst environment and the nearest water feature, river, playa, etc are all greater than 1 mile away.

The site is believed to be no risk to the environment and with NMOCD approval of this variance, Cimarex will proceed with closure of this site using the closure criteria found on Table 1 of NMAC 19.15.29, to reflect groundwater > 100 feet.

Delineation samples were collected yesterday 02.07.2024 for this historical spill incident.

Please let me know if you have any questions.

Thanks!



Ashton Thielke | PBU - Environmental Consultant

T: 432.813.8988 | M: 281.753.5659 | Ashton.Thielke@coterra.com | www.coterra.com

Coterra Energy Inc. | 6001 Deauville Blvd., Suite 300N | Midland, TX 79706

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

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APPENDIX D

CARMONA RESOURCES

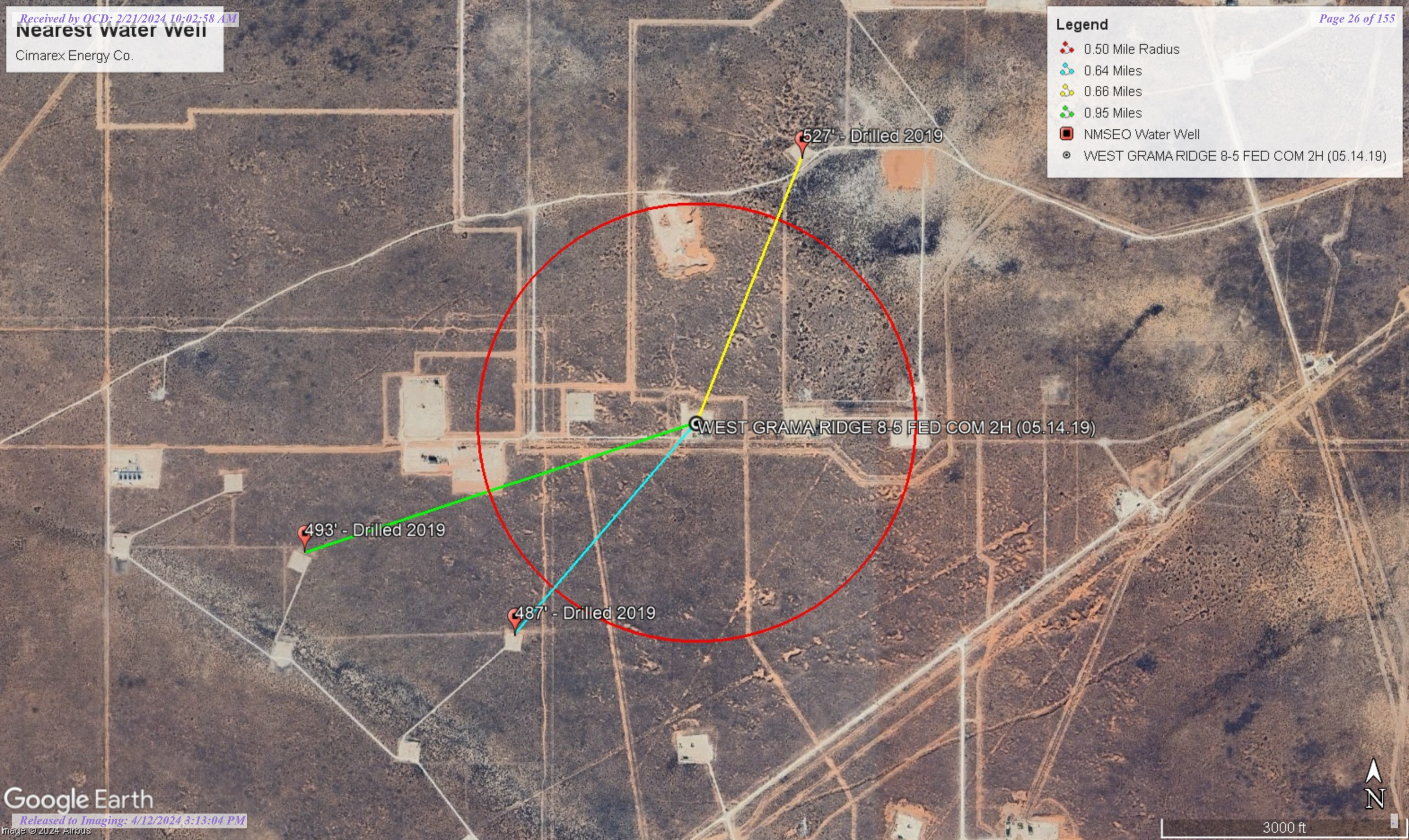


Nearest water well

Cimarex Energy Co.

Legend

- 0.50 Mile Radius
- 0.64 Miles
- 0.66 Miles
- 0.95 Miles
- NMSEO Water Well
- WEST GRAMA RIDGE 8-5 FED COM 2H (05.14.19)



Low Karst

Cimarex Energy Co.

Legend

-  Low
-  WEST GRAMA RIDGE 8-5 FED COM 2H (05.14.19)

WEST GRAMA RIDGE 8-5 FED COM 2H (05.14.19)



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

2019 APR 26 PM 7:01

I. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) CP-1722 NGS E		WELL TAG ID NO.		OSE FILE NO(S).		
	WELL OWNER NAME(S) Merchant Livestock Company/Glenn's Water Well Service, Inc.				PHONE (OPTIONAL) 575-398-2424		
	WELL OWNER MAILING ADDRESS PO Box 692				CITY Tatum	STATE NM	ZIP 88267
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 23	SECONDS 33.63	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LONGITUDE -103	30	4.56	W	* DATUM REQUIRED: WGS 84	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE1/4 SE1/4 NE1/4 Section 18, Township 22 South, Range 34 East on Merchant Livestock Company Land							

2. DRILLING & CASING INFORMATION	LICENSE NO. WD 421	NAME OF LICENSED DRILLER Corky Glenn			NAME OF WELL DRILLING COMPANY Glenn's Water Well Service, Inc.			
	DRILLING STARTED 03/23/19	DRILLING ENDED 03/29/19	DEPTH OF COMPLETED WELL (FT) 1,122'	BORE HOLE DEPTH (FT) 1,122'	DEPTH WATER FIRST ENCOUNTERED (FT) 785'			
	COMPLETED WELL IS: <input checked="" type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 487'			
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	40	20"	ASTM A53 Sch 40 Steel 16" OD	None	15.5	.25	---
	0	765	14.75"	API Steel Grade J-55/K-55 10.75" OD	Thread & Collar	10.05	.35	---
	728	1,122	9.875"	Steel Casing 8 5/8" / 8.625" OD	Plain End	8.125	.25	1/8"
			(394' Total) Bottom 350' Perforated					

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	0	40'	20"	Cemented	2 yards	Top Pour
	0	765'	14.75"	Float and Shoe Cemented to Surface 14 Barrels	325 Sacks Pumped	Circulated

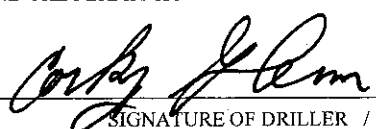
FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. CP-1722	POD NO. 1	TRN NO. 628321
LOCATION 22S. 34E. 18. 2. 4. 4	EXPL	WELL TAG ID NO. N/A
		PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			Y	N	
	0	3	3	Sand	Y	✓ N	
	3	35	32	Caliche	Y	✓ N	
	35	80	45	Sand	Y	✓ N	
	80	355	275	Red Clay	Y	✓ N	
	355	482	127	Red Shale	Y	✓ N	
	482	567	85	Brown Shale	Y	✓ N	
	567	765	198	Brown & Red Shale	Y	✓ N	
	765	785	20	Blue & Red Shale	Y	✓ N	
	785	797	12	Red Sand Rock	✓ Y	N	
	797	815	18	Blue Shale	Y	✓ N	
	815	837	22	Red Sand Rock	✓ Y	N	
	837	1091	254	Sand	✓ Y	N	150.00
	1091	1122	31	Red Clay & Red Shale	Y	✓ N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):		
<input checked="" type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					150.00		

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:	0' to 765' drilled with mud. 765' to 1,122' drilled with air and foam.
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Corky Glenn _____ DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO. CP-1722	POD NO. 1	TRN NO. 628321
LOCATION 225.34E.18.2.44	EXPL	WELL TAG ID NO. N/A



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER


www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) CP-1720-POD1 Hamilton		WELL TAG ID NO.		OSE FILE NO(S).		
	WELL OWNER NAME(S) Merchant Livestock Company/Glenn's Water Well Service, Inc.				PHONE (OPTIONAL) 575-398-2424		
	WELL OWNER MAILING ADDRESS PO Box 692				CITY Tatum	STATE NM	ZIP 88267
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 24	SECONDS 30.72	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LONGITUDE	-103	29	23.82	W	* DATUM REQUIRED: WGS 84
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW1/4 SW1/4 NE1/4 Section 08, Township 22 South, Range 34 East on Merchant Livestock Company Land							

2. DRILLING & CASING INFORMATION	LICENSE NO. WD 421	NAME OF LICENSED DRILLER Corky Glenn			NAME OF WELL DRILLING COMPANY Glenn's Water Well Service, Inc.			
	DRILLING STARTED 05/02/19	DRILLING ENDED 05/07/19	DEPTH OF COMPLETED WELL (FT) 1,190	BORE HOLE DEPTH (FT) 1,190	DEPTH WATER FIRST ENCOUNTERED (FT) 824'			
	COMPLETED WELL IS: <input checked="" type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 527'			
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	40	20"	ASTM A53 Sch 40 Steel 16" OD	None	15.5	.25	---
	0	800	14.75"	API Steel Grade J-55/K-55 10.75" OD	Thread & Collar	10.05	.35	---
	728	1,190	9.875"	Steel Casing 8 5/8" / 8.625" OD (462' Total) Bottom 420 Perforated	Plain End	8.125	.25	1/8"

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	0	40'	20"	Cemented	2 yards	Top Pour
	0	800'	14.75"	Float and Shoe Cemented to Surface 30 Barrels	345 Sacks Pumped	Circulated

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/30/17)			
FILE NO.	CP-1720	POD NO.	1	TRN NO.	628249
LOCATION	22S.34E.8.2.3.1	WELL TAG ID NO.	EXPL	N/A	PAGE 1 OF 2

DEPTH (feet bgl)	THICKNESS (feet)		COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			
0	5	5	Sand	Y ✓ N	
5	20	15	Caliche & Clay	Y ✓ N	
20	110	90	Sand & Red Clay	Y ✓ N	
110	600	490	Red Clay & Shale	Y ✓ N	
600	760	160	Red & Brown Shale	Y ✓ N	
760	800	40	Red Shale	Y ✓ N	
800	824	24	Red Shale & Clay	Y ✓ N	
824	1,109	285	Sand	✓ Y N	100.00
1,109	1,140	31	Sand with Stringers of Brown Shale	✓ Y N	
1,140	1,171	31	Sand	✓ Y N	
1,171	1,190	19	Red Shale	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:				TOTAL ESTIMATED WELL YIELD (gpm): 100.00	
<input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.			
	MISCELLANEOUS INFORMATION: 0' to 800' drilled with mud. 800' to 1,190' drilled with air and foam.				
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:					
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:				
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME			Corky Glenn DATE: 5/28/19	

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/30/2017)			
FILE NO.	CP-1720	POD NO.	1	TRN NO.	628249
LOCATION	225.34E.8.2.3.1	WELL TAG ID NO.	EXPL	NIA	PAGE 2 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

2019 MAY 13 AM 10:45

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) CP-1721-POD1 NGS Middle		WELL TAG ID NO.		OSE FILE NO(S).		
	WELL OWNER NAME(S) Merchant Livestock Company/Glenn's Water Well Service, Inc.				PHONE (OPTIONAL) 575-398-2424		
	WELL OWNER MAILING ADDRESS PO Box 692				CITY Tatum	STATE NM	ZIP 88267
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 23	SECONDS 43.56	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LONGITUDE -103	30	34.35	W	* DATUM REQUIRED: WGS 84	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS -- PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE1/4 NE1/4 NW1/4 Section 18, Township 22 South, Range 34 East on Merchant Livestock Company Land							
2. DRILLING & CASING INFORMATION	LICENSE NO. WD 421		NAME OF LICENSED DRILLER Corky Glenn			NAME OF WELL DRILLING COMPANY Glenn's Water Well Service, Inc.	
	DRILLING STARTED 04/07/19	DRILLING ENDED 04/11/19	DEPTH OF COMPLETED WELL (FT) 1,108	BORE HOLE DEPTH (FT) 1,108	DEPTH WATER FIRST ENCOUNTERED (FT) 820'		
	COMPLETED WELL IS: <input checked="" type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 493'	
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD		ADDITIVES - SPECIFY:				
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:						
	DEPTH (feet bgl)	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM TO						
	0 40	20"	ASTM A53 Sch 40 Steel 16" OD	None	15.5	.25	---
	0 756	14.75"	API Steel Grade J-55/K-55 10.75" OD	Thread & Collar	10.05	.35	---
	714 1,108	9.875"	Steel Casing 8 5/8" / 8.625" OD (394' Total) Bottom 350' Perforated	Plain End	8.125	.25	1/8"
3. ANNULAR MATERIAL	DEPTH (feet bgl)	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM TO						
	0 40'	20"	Cemented	2 yards	Top Pour		
	0 756'	14.75"	Float and Shoe Cemented to Surface 40 Barrels	325 Sacks Pumped	Circulated		

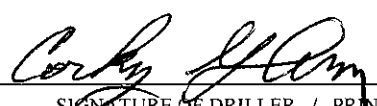
FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. CP-1721	POD NO. 1	TRN NO. 628316
LOCATION 22S.34E.18.12.4	EXPL	WELL TAG ID NO. N/A

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			Y	N	
	0	6	6	Sand	Y	✓ N	
	6	40	34	Caliche	Y	✓ N	
	40	85	45	Sand & Red Clay	Y	✓ N	
	85	420	335	Red Clay	Y	✓ N	
	420	510	90	Red Shale	Y	✓ N	
	510	565	55	Brown Shale	Y	✓ N	
	565	756	191	Brown & Red Shale	Y	✓ N	
	756	792	36	Red Shale	Y	✓ N	
	792	823	31	Red Sand Stone	✓ Y	N	
	823	1,075	252	Sand with Shale Stringers	✓ Y	N	45.00
	1,075	1,108	33	Red Shale	Y	✓ N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):		
<input checked="" type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					45.00		

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: 0' to 756' drilled with mud. 756' to 1,108' drilled with air and foam.	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:		

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Corky Glenn DATE: 5/9/19

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/30/2017)	
FILE NO.	CP-1721	POD NO.	1
LOCATION	225.34E.18.1.2.4	TRN NO.	628316
	EXPL	WELL TAG ID NO.	NVA
			PAGE 2 OF 2

FEMA National Flood Hazard Layer (NFHL)

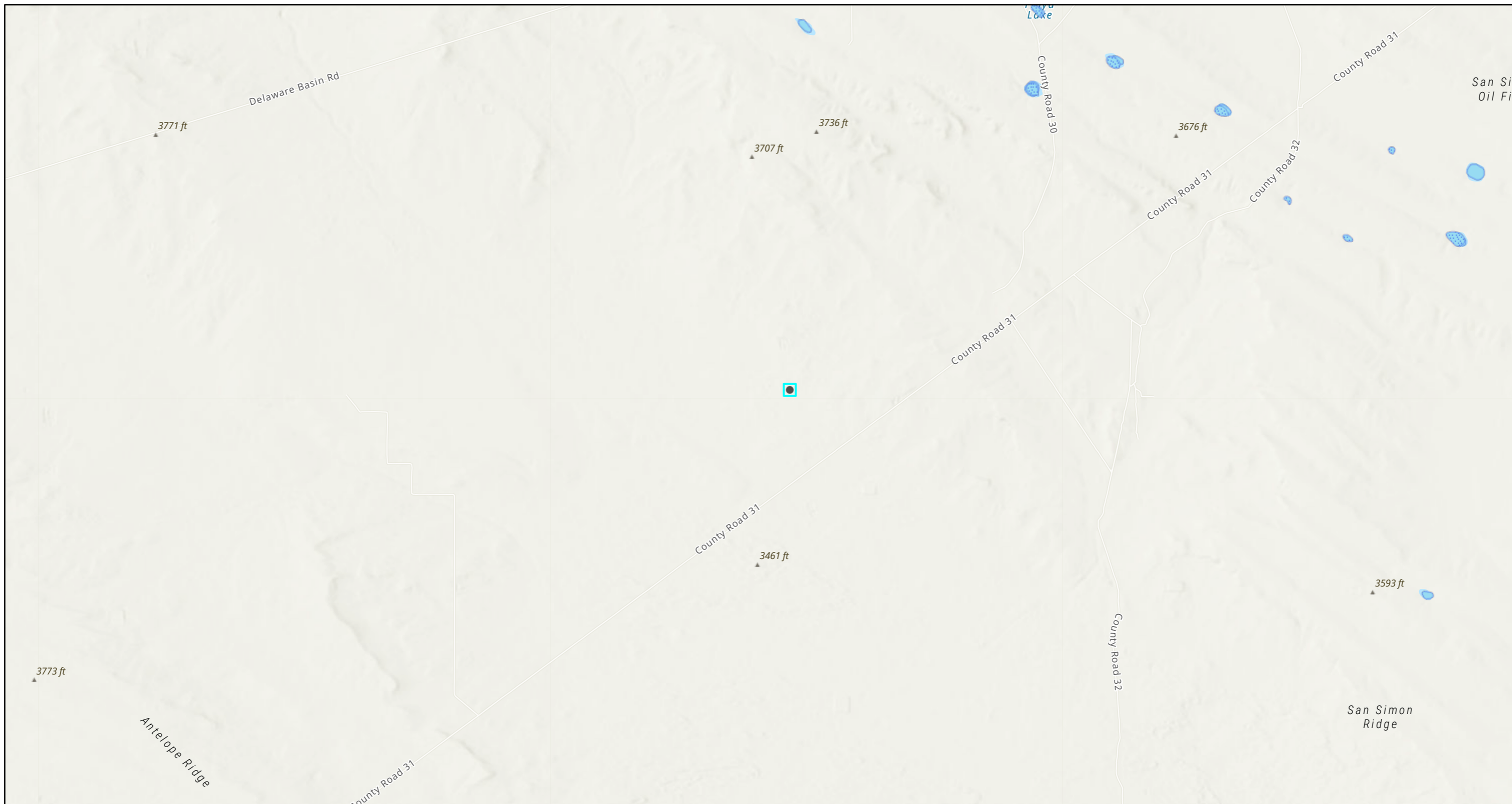


FEMA flood layer

0.3mi

Maxar | Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

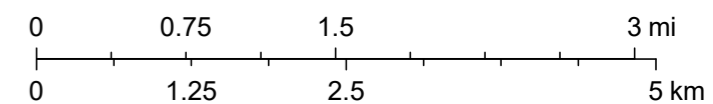
West Grama Ridge 8-5 Federal #002H (05.14.2019)



2/8/2024, 10:38:16 AM

- OSW Water Bodys
- OSE Probable Playas

1:72,224



Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS, Esri, NASA, NGA, USGS, FEMA, NM OSE

APPENDIX E

CARMONA RESOURCES





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

February 09, 2024

ASHTON THIELKE
CARMONA RESOURCES
310 W WALL ST SUITE 415
MIDLAND, TX 79701

RE: WEST GAME RIDGE 8-5 FED COM CTB

Enclosed are the results of analyses for samples received by the laboratory on 02/07/24 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 1 (0-1') (H240594-01)

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	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	544	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	201	101	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 1 (2') (H240594-02)

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	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	464	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	201	101	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 1 (3') (H240594-03)

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	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	400	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	201	101	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 1 (4') (H240594-04)

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	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 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	512	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	201	101	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 1 (5') (H240594-05)

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	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 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	1410	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	201	101	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 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
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 1 (6') (H240594-06)

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	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 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	928	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	201	101	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 1 (7') (H240594-07)

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	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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	832	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 1 (8') (H240594-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	512	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 1 (9') (H240594-09)

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	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	224	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 1 (10') (H240594-10)

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	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 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	176	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 2 (0-1') (H240594-11)

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	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 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	304	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 2 (2') (H240594-12)

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	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	240	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 2 (3') (H240594-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 2 (4') (H240594-14)

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	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 2 (5') (H240594-15)

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	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 2 (6') (H240594-16)

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	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 2 (7') (H240594-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 2 (8') (H240594-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 3 (0-1') (H240594-19)

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	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 3 (2') (H240594-20)

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	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 3 (3') (H240594-21)

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	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 3 (4') (H240594-22)

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	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 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
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 3 (5') (H240594-23)

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	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 3 (6') (H240594-24)

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	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 3 (7') (H240594-25)

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	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 3 (8') (H240594-26)

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	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 4 (0-1') (H240594-27)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 67.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.7 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 4 (2') (H240594-28)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 61.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 55.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 4 (3') (H240594-29)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 4 (4') (H240594-30)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 4 (5') (H240594-31)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.7 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 5 (0-1') (H240594-32)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.0 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 5 (2') (H240594-33)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	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	64.0	16.0	02/08/2024	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	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.1 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 5 (3') (H240594-34)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	128	16.0	02/08/2024	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	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 5 (4') (H240594-35)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	304	16.0	02/08/2024	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	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.2 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 5 (5') (H240594-36)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	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	832	16.0	02/08/2024	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	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 5 (6') (H240594-37)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	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	2360	16.0	02/08/2024	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	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 69.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 5 (7') (H240594-38)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	2760	16.0	02/08/2024	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	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.4 % 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
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 5 (8') (H240594-39)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	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	1920	16.0	02/08/2024	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	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 79.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 5 (9') (H240594-40)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	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	3120	16.0	02/08/2024	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	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 5 (10') (H240594-41)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	1880	16.0	02/08/2024	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	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 5 (11') (H240594-42)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	2320	16.0	02/08/2024	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	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.0 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 5 (12') (H240594-43)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	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	2840	16.0	02/08/2024	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	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 5 (13') (H240594-44)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	3640	16.0	02/08/2024	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	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.5 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 5 (14') (H240594-45)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	4560	16.0	02/08/2024	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	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 5 (15') (H240594-46)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41		
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96		
Total BTEX	<0.300	0.300	02/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	3880	16.0	02/08/2024	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	02/08/2024	ND	183	91.6	200	6.42		
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73		
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND						

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 5 (16') (H240594-47)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	2040	16.0	02/08/2024	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	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 5 (17') (H240594-48)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	832	16.0	02/08/2024	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	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 5 (18') (H240594-49)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	736	16.0	02/08/2024	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	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 5 (19') (H240594-50)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	384	16.0	02/08/2024	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	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 5 (20') (H240594-51)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	144	16.0	02/08/2024	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	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 6 (0-1') (H240594-52)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	576	16.0	02/08/2024	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	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 6 (2') (H240594-53)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	02/08/2024	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	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 6 (3') (H240594-54)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	02/08/2024	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	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 6 (4') (H240594-55)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	02/08/2024	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	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 103 % 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
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 6 (5') (H240594-56)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	02/08/2024	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	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 6 (6') (H240594-57)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/08/2024	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	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 6 (7') (H240594-58)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/08/2024	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	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 6 (8') (H240594-59)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/08/2024	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	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 7 (0-1') (H240594-60)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41		
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96		
Total BTEX	<0.300	0.300	02/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	02/08/2024	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	02/08/2024	ND	196	97.8	200	0.813		
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57		
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND						

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 7 (2') (H240594-61)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/08/2024	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	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 7 (3') (H240594-62)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/08/2024	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	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 7 (4') (H240594-63)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	02/08/2024	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	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 7 (5') (H240594-64)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	02/08/2024	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	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 7 (6') (H240594-65)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	02/08/2024	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	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 7 (7') (H240594-66)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	02/08/2024	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	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 7 (8') (H240594-67)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/08/2024	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	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 7 (9') (H240594-68)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/08/2024	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	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 7 (10') (H240594-69)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/08/2024	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	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 8 (0-1') (H240594-70)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/08/2024	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	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 8 (2') (H240594-71)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/08/2024	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	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 8 (3') (H240594-72)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	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	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 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
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 8 (4') (H240594-73)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	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	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 8 (5') (H240594-74)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	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	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 9 (0-1') (H240594-75)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19		
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02		
Total BTEX	<0.300	0.300	02/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	02/08/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735		
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79		
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND						

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 9 (2') (H240594-76)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	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	32.0	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 9 (3') (H240594-77)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 9 (4') (H240594-78)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 9 (5') (H240594-79)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	176	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 10 (0-1') (H240594-80)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 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
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 10 (2') (H240594-81)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	QR-03
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	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	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 10 (3') (H240594-82)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 10 (4') (H240594-83)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	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	32.0	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 10 (5') (H240594-84)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 11 (0-1') (H240594-85)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 11 (2') (H240594-86)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21		
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29		
Total BTEX	<0.300	0.300	02/08/2024	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	32.0	16.0	02/08/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735		
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79		
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND						

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 11 (3') (H240594-87)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	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	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 11 (4') (H240594-88)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	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	64.0	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 11 (5') (H240594-89)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	176	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 12 (0-1') (H240594-90)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	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	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 12 (2') (H240594-91)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	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	32.0	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 12 (3') (H240594-92)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 12 (4') (H240594-93)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/08/2024	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	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 12 (5') (H240594-94)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	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	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 13 (0-1') (H240594-95)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	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	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 13 (2') (H240594-96)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	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	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 13 (3') (H240594-97)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	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	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 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
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 13 (4') (H240594-98)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	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	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 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
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: BH - 13 (5') (H240594-99)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/08/2024	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	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: HA240594

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Lujig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.lujig@colerra.com ashton.thielke@colerra.com

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

Project Name:	West Gamma Ridge 8-5 Fed Com CTB	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Due Date:	48 hr.
Project Number:	2252	Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500		
Project Location:	Lea County, New Mexico	Pres. Code			
Sampler's Name:	GPJ	Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
PC #:		Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Thermometer ID:	1740
SAMPLE RECEIPT		Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Correction Factor:	
		Total Containers:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Temperature Reading:	33.2
			Corrected Temperature:		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST	Preservative Codes
AH-1 (0-1)	2/7/2024		X		G	1	X	None: NO DI Water: H ₂ O
AH-1 (2)	2/7/2024		X		G	1	X	Cool: Cool MeOH: Me
AH-1 (3)	2/7/2024		X		G	1	X	HCL: HC HNO ₃ : HN
AH-1 (4)	2/7/2024		X		G	1	X	H ₂ SO ₄ : H ₂ NaOH: Na
AH-1 (5)	2/7/2024		X		G	1	X	H ₃ PO ₄ : HP
AH-1 (6)	2/7/2024		X		G	1	X	NaHSO ₄ : NABIS
AH-1 (7)	2/7/2024		X		G	1	X	Na ₂ S ₂ O ₃ : NaSO ₃
AH-1 (8)	2/7/2024		X		G	1	X	Zn Acetate+NaOH: Zn
AH-1 (9)	2/7/2024		X		G	1	X	NaOH+Ascorbic Acid: S-APC
AH-1 (10)	2/7/2024		X		G	1	X	

Comments: * Customer requested Sample ID changes. 490. 2/8/24

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2-7-24 1645		

Chain of Custody

Work Order No: H240594

Page 2 of 10

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.luig@colerra.com ashton.thielke@colerra.com

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

Project Name:	Project Number:	Project Location:	Sampler's Name:	PO #:	SAMPLE RECEIPT		Temp Blank:	Thermometer ID:	Wet Ice:	Turn Around	Pres. Code	ANALYSIS REQUEST			Preservative Codes
					Received Intact:	Cooler Custody Seals:						Due Date:	48 hr.	BTEX 8021B	
West Gamma Ridge 8-5 Fed Com CTB	2252	Lea County, New Mexico	GPJ		Yes	No	Yes	No	No	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush					None: NO DI Water: H ₂ O Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: S/PC
* Sample Identification															
AH-2 (0-1)	2/7/2024				X						G	1	X	X	X
AH-2 (2)	2/7/2024				X						G	1	X	X	X
AH-2 (3)	2/7/2024				X						G	1	X	X	X
AH-2 (4)	2/7/2024				X						G	1	X	X	X
AH-2 (5)	2/7/2024				X						G	1	X	X	X
AH-2 (6)	2/7/2024				X						G	1	X	X	X
AH-2 (7)	2/7/2024				X						G	1	X	X	X
AH-2 (8)	2/7/2024				X						G	1	X	X	X
AH-3 (0-1)	2/7/2024				X						G	1	X	X	X
AH-3 (2)	2/7/2024				X						G	1	X	X	X

Comments: * Customer requested sample ID changes. 2/8/24

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2-7-24 1645		

Chain of Custody

Work Order No: H240594

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luing
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.luing@colterra.com ashton.thielke@colterra.com

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

Project Name:	West Gamma Ridge 8-5 Fed Com CTB	Turn Around	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	Due Date:	48 hr.
Project Number:	2252	Parameters	BTEX 8021B			
Project Location:	Lea County, New Mexico	TPH 8015M (GRO + DRO + MRO)				
Sampler's Name:	GPJ	Chloride 4500				
PO #:						

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Pres. Code	ANALYSIS REQUEST	Preservative Codes
AH-3 (3)	2/7/2024		X		G	1	X		None: NO
AH-3 (4)	2/7/2024		X		G	1	X		DI Water: H ₂ O
AH-3 (5)	2/7/2024		X		G	1	X		Cool: Cool
AH-3 (6)	2/7/2024		X		G	1	X		MeOH: Me
AH-3 (7)	2/7/2024		X		G	1	X		HCL: HC
AH-3 (8)	2/7/2024		X		G	1	X		H ₂ SO ₄ : H ₂
AH-4 (0-1')	2/7/2024		X		G	1	X		H ₃ PO ₄ : HP
AH-4 (2)	2/7/2024		X		G	1	X		NaHSO ₄ : NABIS
AH-4 (3)	2/7/2024		X		G	1	X		Na ₂ S ₂ O ₃ : NaSO ₃
AH-4 (4)	2/7/2024		X		G	1	X		Zn Acetate+NaOH: Zn

Comments: * Customer requested sample ID changes.
 21 22 23 24 25 26 27 28 29 30 31
 20 - 2/8/24

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	2-7-24 14:45	<i>[Signature]</i>	

Chain of Custody

Work Order No: H240594

Page 4 of 10

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Lung
Company Name:	Carmona Resources	Company Name:	Cimatex Energy
Address:	310 W Wall St Ste 500	Address:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.lung@colterra.com ashton.thielke@colterra.com

Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Crownfields <input type="checkbox"/> RC <input type="checkbox"/> <input type="checkbox"/> Perfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/>	Level III <input type="checkbox"/>
UST/UST <input type="checkbox"/>	RRP <input type="checkbox"/>
Level IV <input type="checkbox"/>	Other: <input type="checkbox"/>
Deliverables: EDD <input type="checkbox"/>	ADAPT <input type="checkbox"/>

Project Name:	West Gamma Ridge 8-5 Fed Com CTB	Turn Around	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush
Project Number:	2252	Due Date:	48 hr.	
Project Location:	Lea County, New Mexico			
Sampler's Name:	GPJ			
PO #:				

Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/>		
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/>		
Total Containers:			

None: NO	DI Water: H ₂ O
Cool: Cool	MeOH: Me
HCL: HC	HNO ₃ : HN
H ₂ SO ₄ : H ₂	NaOH: Na
H ₃ PO ₄ : HP	
NaHSO ₄ : NABIS	
Na ₂ S ₂ O ₅ : NaSO ₅	
Zn Acetate+NaOH: Zn	
NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont
AH-4 (5)	2/7/2024		X		G	1
AH-5 (0-1)	2/7/2024		X		G	1
AH-5 (2)	2/7/2024		X		G	1
AH-5 (3)	2/7/2024		X		G	1
AH-5 (4)	2/7/2024		X		G	1
AH-5 (5)	2/7/2024		X		G	1
AH-5 (6)	2/7/2024		X		G	1
AH-5 (7)	2/7/2024		X		G	1
AH-5 (8)	2/7/2024		X		G	1
AH-5 (9)	2/7/2024		X		G	1

Comments: * Customer requested Sample ID changes. 2/8/24

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2/21/2024		2/21/2024

Chain of Custody

Work Order No: H2446594

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cinrax Energy
Address:	310 W Wall St Ste 500	Address:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.luig@colerra.com ashton.thielke@colerra.com

Program:	UST/PRP	PRP	Groundfields	RC	perfund
State of Project:	Reporting Level II	Level III	ST/UST	RRP	Level IV
Deliverables:	EDD	ADAPT	Other:		

Project Name:	West Gamma Ridge 8-5 Fed Com CTB	Turn Around	ANALYSIS REQUEST	Preservative Codes
Project Number:	2252	<input type="checkbox"/> Routine		None: NO
Project Location:	Lea County, New Mexico	<input checked="" type="checkbox"/> Rush		Cool: Cool
Sampler's Name:	GPJ	Due Date:		HCL: HC
PC #:				H ₂ SO ₄ : H ₂
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	H ₃ PO ₄ : HP
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:		NaHSO ₄ : NABIS
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	Correction Factor:		Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	Temperature Reading:		Zn Acetate+NaOH: Zn
Total Containers:		Corrected Temperature:		NaOH+Ascorbic Acid: S/PC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes
AH-5 (10)	2/7/2024		X		G	1	BTEX 8021B		
AH-5 (11)	2/7/2024		X		G	1	TPH 8015M (GRO + DRO + MRO)		
AH-5 (12)	2/7/2024		X		G	1	Chloride 4500		
AH-5 (13)	2/7/2024		X		G	1			
AH-5 (14)	2/7/2024		X		G	1			
AH-5 (15)	2/7/2024		X		G	1			
AH-5 (16)	2/7/2024		X		G	1			
AH-5 (17)	2/7/2024		X		G	1			
AH-5 (18)	2/7/2024		X		G	1			
AH-5 (19)	2/7/2024		X		G	1			

Comments: * Customer requested sample ID changes. 2/8/24

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2-7-24 10:45		

Chain of Custody

Work Order No: *1440594*

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.luig@colerra.com ashton.thielke@colerra.com

Work Order Comments

Program: UST/PRP PRP Brownfields RC Deepfund

State of Project: Level II Level III ST/UST RRP Level IV

Reportable Level: Level II Level III ST/UST RRP Level IV

Deliverables: EDD ADAPT Other:

Project Name:	West Gama Ridge 8-5 Fed Com CTR	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes					
Project Number:	2252	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		BTEX 8021B																None: NO	DI Water: H ₂ O
Project Location:	Lea County, New Mexico	Due Date:	48 hr.	TPH 8015M (GRO + DRO + MRO)																Cool: Cool	MeOH: Me
Sampler's Name:	GPJ			Chloride 4500																HCL: HC	HNO ₃ : HN
PO #:																				H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No													H ₃ PO ₄ : HP				
Received Intact:	Yes <input checked="" type="checkbox"/> No	Thermometer ID:	Yes <input checked="" type="checkbox"/> No													NaHSO ₄ : NABIS					
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No	Correction Factor:	Yes <input checked="" type="checkbox"/> No													Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No	Temperature Reading:	Yes <input checked="" type="checkbox"/> No													Zn Acetate+NaOH: Zn					
Total Containers:	Yes <input checked="" type="checkbox"/> No	Corrected Temperature:	Yes <input checked="" type="checkbox"/> No													NaOH+Ascorbic Acid: SAPP					
* Sample Identification			Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
			2/7/2024		X		G	1	X	X	X	X	X	X	X	X	X	X	X		
<i>B</i>			2/7/2024		X		G	1	X	X	X	X	X	X	X	X	X	X	X		
			2/7/2024		X		G	1	X	X	X	X	X	X	X	X	X	X	X		
			2/7/2024		X		G	1	X	X	X	X	X	X	X	X	X	X	X		
			2/7/2024		X		G	1	X	X	X	X	X	X	X	X	X	X	X		
			2/7/2024		X		G	1	X	X	X	X	X	X	X	X	X	X	X		
			2/7/2024		X		G	1	X	X	X	X	X	X	X	X	X	X	X		
			2/7/2024		X		G	1	X	X	X	X	X	X	X	X	X	X	X		
			2/7/2024		X		G	1	X	X	X	X	X	X	X	X	X	X	X		

Comments: ** Customer requested Sample ID changes.*

NO. 2/8/24

Relinquished by: (Signature) *[Signature]* Date/Time *2-7-24 16:45*

Received by: (Signature) *[Signature]* Date/Time *2-7-24 16:45*

Chain of Custody

Work Order No: H240594

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luing
Company Name:	Carmona Resources	Company Name:	Cinrax Energy
Address:	310 W Wall St Ste 500	Address:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.luing@coterra.com ashton.thielke@coterra.com

Program:	UST/PRP	PRP	Groundfields	RC	Perfund
State of Project:	Reporting Level II	Level III	ST/UST	RRP	Level IV
Deliverables:	EDD	ADAPT	Other:		

Project Name:	West Gama Ridge 8-5 Fed Com CTB	Turn Around	Due Date:	48 hr.	Parameters	ANALYSIS REQUEST	Preservative Codes
Project Number:	2252	<input type="checkbox"/> Routine			BTEX 8021B		None: NO
Project Location:	Lea County, New Mexico	<input checked="" type="checkbox"/> Rush			TPH 8015M (GRO + DRO + MRO)		Cool: Cool
Sampler's Name:	GPJ				Chloride 4500		HCL: HC
PO #:							H ₂ SO ₄ : H ₂
SAMPLE RECEIPT	Temp Blank:	Yes/No	Thermometer ID:	Yes/No			H ₃ PO ₄ : HP
Received Intact:	Yes/No		Correction Factor:				NaHSO ₄ : NABIS
Cooler Custody Seals:	Yes/No		Temperature Reading:	140			Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals:	Yes/No		Corrected Temperature:	3.32			Zn Acetate+NaOH: Zn
Total Containers:				140			NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes
AH-7 (2)	2/7/2024		X		G	1	X		
AH-7 (3)	2/7/2024		X		G	1	X		
AH-7 (4)	2/7/2024		X		G	1	X		
AH-7 (5)	2/7/2024		X		G	1	X		
AH-7 (6)	2/7/2024		X		G	1	X		
AH-7 (7)	2/7/2024		X		G	1	X		
AH-7 (8)	2/7/2024		X		G	1	X		
AH-7 (9)	2/7/2024		X		G	1	X		
AH-7 (10)	2/7/2024		X		G	1	X		
AH-8 (0-1)	2/7/2024		X		G	1	X		

Comments: * Customer requested Sample ID Changes.

NO. 2/8/24

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2/21/2024		2/8/24

Chain of Custody

Work Order No: H240594

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Lujig
Company Name:	Carmona Resources	Company Name:	Cinamax Energy
Address:	310 W Wall St Ste 500	Address:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.lujig@cinamax.com ashton.thielke@cinamax.com

Program:	UST/PRP	PRP	Groundfields	RC	Perfund
State of Project:	Reporting Level II	Level III	ST/UST	RRP	Level IV
Deliverables:	EDD	ADAPT	Other:		

Project Name:	West Gamma Ridge 8-5 Fed Com CTB	Turn Around	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	48 hr.	
Project Number:	2252	Due Date:				
Project Location:	Lea County, New Mexico	GPJ				
Sampler's Name:						
PC #:						
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	140			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	5.32			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:				
Total Containers:						

* Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters						Sample Comments			
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500							
AH-8 (2)	2/7/2024		X		G	1	X	X	X							
AH-8 (3)	2/7/2024		X		G	1	X	X	X							
AH-8 (4)	2/7/2024		X		G	1	X	X	X							
AH-8 (5)	2/7/2024		X		G	1	X	X	X							
AH-9 (0-1')	2/7/2024		X		G	1	X	X	X							
AH-9 (2)	2/7/2024		X		G	1	X	X	X							
AH-9 (3)	2/7/2024		X		G	1	X	X	X							
AH-9 (4)	2/7/2024		X		G	1	X	X	X							
AH-9 (5)	2/7/2024		X		G	1	X	X	X							
AH-10 (0-1')	2/7/2024		X		G	1	X	X	X							

Comments: * Customer requested Sample ID changes. to: 2/8/24

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2-24-24		

Chain of Custody

Work Order No. A840594

Page 111 of 111

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarax Energy
Address:	310 W Wall St Ste 500	Address:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.luig@colerra.com ashton.thielke@colerra.com

Program:	UST/PST	<input type="checkbox"/> PRR	<input type="checkbox"/> Rowfields	<input type="checkbox"/> RC	<input type="checkbox"/> perfund
State of Project:	Reporting Level II	<input type="checkbox"/> Level III	<input type="checkbox"/> ST/UST	<input type="checkbox"/> RRP	<input type="checkbox"/> Level IV
Deliverables:	EDD	<input type="checkbox"/>	ADAPT	<input type="checkbox"/>	Other:

Project Name:	West Gama Ridge 8-5 Fed Com CTB	Turn Around	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	2252	Due Date:	48 hr.			
Project Location:	Lea County, New Mexico					
Sampler's Name:	GPJ					
PO #:						

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters		
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500
AH-12 (2)	2/7/2024		X		G	1	X	X	X
AH-12 (3)	2/7/2024		X		G	1	X	X	X
AH-12 (4)	2/7/2024		X		G	1	X	X	X
AH-12 (5)	2/7/2024		X		G	1	X	X	X
AH-13 (0-1)	2/7/2024		X		G	1	X	X	X
AH-13 (2)	2/7/2024		X		G	1	X	X	X
AH-13 (3)	2/7/2024		X		G	1	X	X	X
AH-13 (4)	2/7/2024		X		G	1	X	X	X
AH-13 (5)	2/7/2024		X		G	1	X	X	X

Received Intact:	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Correction Factor:	140		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Temperature Reading:	332		
Total Containers:		Corrected Temperature:			

Comments: * Customer requested Sample ID changes. 420. 2/8/24

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2-5-24 11:58		

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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 316251

QUESTIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 316251
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1915746595
Incident Name	NAB1915746595 WEST GRAMA RIDGE 8 5 FEDERAL #002H @ 30-025-43554
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-43554] WEST GRAMA RIDGE 8 5 FEDERAL #002H

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	WEST GRAMA RIDGE 8 5 FEDERAL #002H
Date Release Discovered	05/14/2019
Surface Owner	State

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 Fitting Produced Water Released: 260 BBL Recovered: 60 BBL Lost: 200 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 316251

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 316251
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	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: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 02/21/2024
--	---

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

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QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 316251
	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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
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)	4560
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	05/14/2019
On what date will (or did) the final sampling or liner inspection occur	02/07/2024
On what date will (or was) the remediation complete(d)	05/14/2019
What is the estimated surface area (in square feet) that will be reclaimed	18000
What is the estimated volume (in cubic yards) that will be reclaimed	2666
What is the estimated surface area (in square feet) that will be remediated	18000
What is the estimated volume (in cubic yards) that will be remediated	2666

*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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Santa Fe, NM 87505

QUESTIONS, Page 4

Action 316251

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 316251
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

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

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	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)	Yes
Other Non-listed Remedial Process. Please specify	Site will be remediated/reclaimed during P/A activities. Site has been fully delineated and due to deep groundwater (>100') and no immediate risk to human health, the environment, or ground water. See closure report.

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

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

I hereby agree and sign off to the above statement	Name: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 02/21/2024
--	---

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

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QUESTIONS, Page 5

Action 316251

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 316251
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

QUESTIONS, Page 6

Action 316251

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 316251
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	314961
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/07/2024
What was the (estimated) number of samples that were to be gathered	13
What was the sampling surface area in square feet	18000

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	0
What was the total volume (cubic yards) remediated	0
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)	Site will be remediated/reclaimed during P/A activities. Site has been fully delineated and due to deep groundwater (>100') and no immediate risk to human health, the environment, or ground water. See closure report.

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

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

I hereby agree and sign off to the above statement	Name: Laci Luig Title: ES&H Specialist Email: DL_PerminianEnvironmental@coterra.com Date: 02/21/2024
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District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

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

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

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

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

QUESTIONS, Page 7

Action 316251

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 316251
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report

Only answer the questions in this group if all reclamation steps have been completed.

Requesting a reclamation approval with this submission	No
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CONDITIONS

Action 316251

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 316251
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC	4/12/2024