

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

Cause of Release

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

Convert irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	Estimated Pool Area (sq. ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture (%)	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Spilled Liquid other than Oil (bbl.)
Rectangle A	30	20	0.1	600.00	1.16	0.00	1.16		0.00	1.16
Rectangle B	15	10	0.1	150.00	0.22	0.00	0.22		0.00	0.22
Rectangle C	26	6	0.1	156.00	0.14	0.00	0.14		0.00	0.14
Rectangle D	25	15	0.1	375.00	0.72	0.00	0.72		0.00	0.72
Rectangle E	10	10	0.2	100.00	0.30	0.00	0.30		0.00	0.30
Rectangle F	30	10	2.5	300.00	11.13	0.01	11.24		0.00	11.24
Rectangle G	6	6	1.5	36.00	0.80	0.01	0.81		0.00	0.81
Rectangle H	25	15	1.5	375.00	8.34	0.01	8.40		0.00	8.40
Rectangle I				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle J				0.00	0.00	0.00	0.00		0.00	0.00
Total Surface Pool Volume Released, Release to Soil/Caliche:							22.9823		0.0000	22.9823

Received by OCD: 3/26/2024 8:10:05 AM

Released to Imaging: 5/3/2024 12:21:16 PM



SITE INFORMATION

Closure Report
Nocaster 19 Federal 004H (01.14.24)
Lea County, New Mexico
Incident ID: NAPP2402931812
Unit P Sec 19 T23S R34E
32.2837°, -103.5033°

Crude Oil and Produced Water Release

Point of Release: Frozen ball valve separating going in the heater treater.

Release Date: 01.14.24

Volume Released: 18.3858 Barrels of Crude Oil and 4.5965 Barrels of Produced Water

Volume Recovered: 10 Barrels of Crude Oil and 2.5 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Concho Operating, LLC
600 West Illinois Avenue
Midland, Texas 79701

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

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March 21, 2024

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

Re: Closure Report
Nocaster 19 Federal 004H (01.14.24)
Concho Operating, LLC
Incident ID: NAPP2402931812
Site Location: Unit P, S19, T23S, R34E
(Lat 32.2837°, Long -103.5033°)
Lea County, New Mexico

To whom it may concern:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for the Nocaster 19 Federal 004H (01.14.24). The site is located at 32.2837°, -103.5033° within Unit P, S19, T23S, and 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 release was discovered on January 14, 2024, due to a frozen ball valve separating going into the heater treater. This released eighteen point three eight five eight (18.3858) barrels of crude oil and ten (10) barrels of produced water, with four-point five nine six five (4.5965) barrels of crude oil and two point five (2.5) barrels of produced water recovered. Refer to Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. The nearest groundwater determination bore is located approximately 0.52 miles East of the site in S20, T23S, R34E and was drilled in 2022. The well was drilled to a depth of 120' below ground surface (ft bgs), and no water was detected after 72 hours of drilling operations. A copy of the associated Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

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



4.0 Site Assessment Activities

Initial Assessment Activities

On January 24, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of four (4) vertical sample points and three (3) horizontal sample points were advanced to depths ranging from the surface to 4.0' bgs inside the release area to assess the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix D. See Table 1 for the analytical results.

Stockpile Testing

On February 7, 2024, Carmona Resources, LLC collected a five-point composite sample (labeled BF SP) to document and confirm that the soil used to backfill the following excavation was clean material. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix D. Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were on site to oversee excavation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via the NMOCD web portal on February 7, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of nineteen (19) confirmation floor samples (CS-1 through CS-19) and nine (9) sidewall samples (SW-1 through SW-9) were collected every 200 square feet to ensure the proper removal of the contaminated soils. For chemical analysis, the soil samples were collected and placed 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. All collected samples were analyzed for TPH by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. Refer to Table 2. The excavation depths and confirmation sample locations are shown in Figure 4A&B.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 1,800 square feet of contamination was remediated, resulting in 140 cubic yards of material excavated and transported offsite for proper disposal.



6.0 Conclusions

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

A handwritten signature in black ink, appearing to read 'Ashton Thielke', written over a horizontal line.

Ashton Thielke
Sr. Project Manager

A handwritten signature in black ink, appearing to read 'Conner Moehring', written over a horizontal line.

Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES

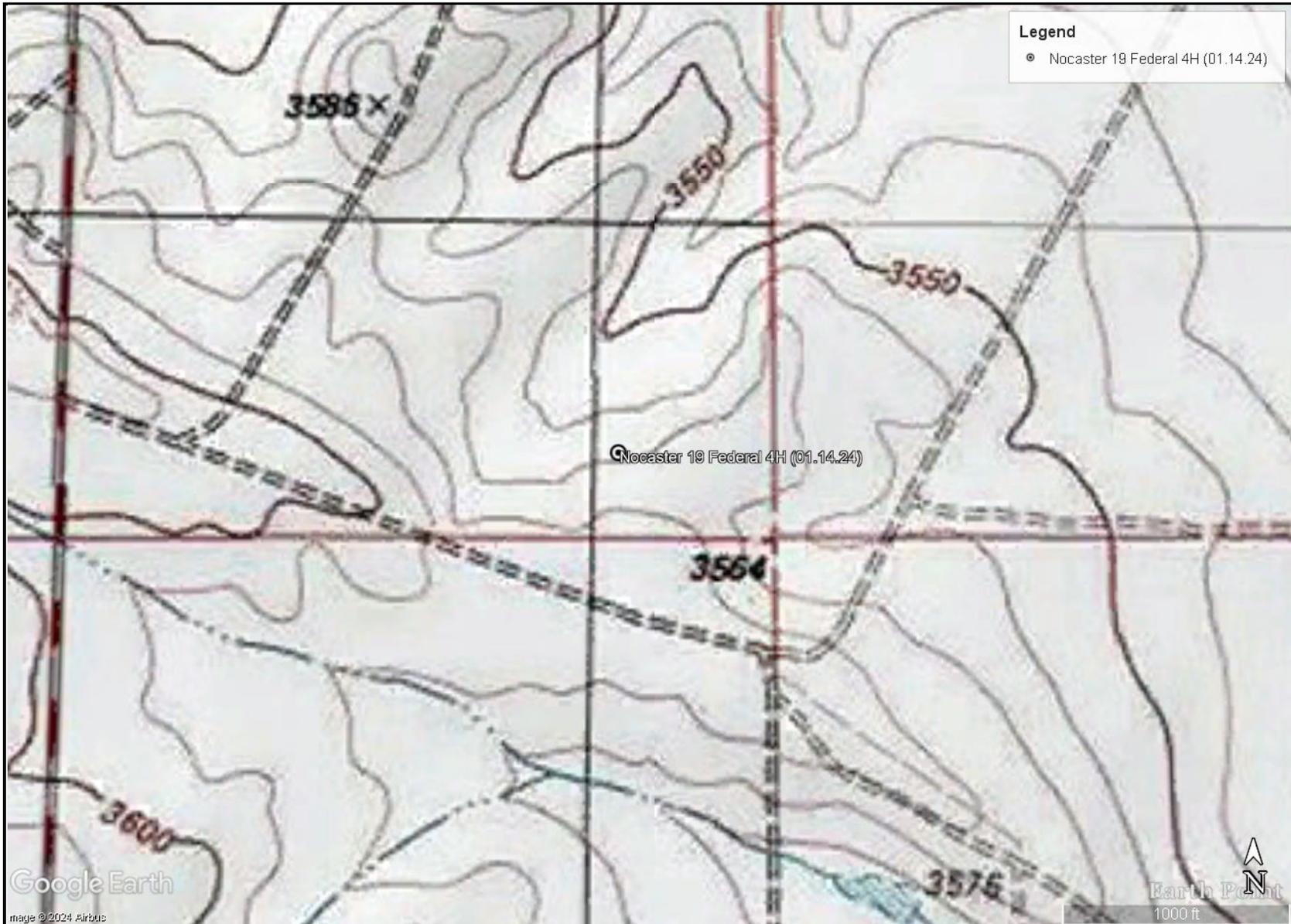




OVERVIEW MAP
COG OPERATING, LLC
NOCASTER 19 FEDERAL 004H (01.14.24)
LEA COUNTY, NEW MEXICO
32.2837°, -103.5033°



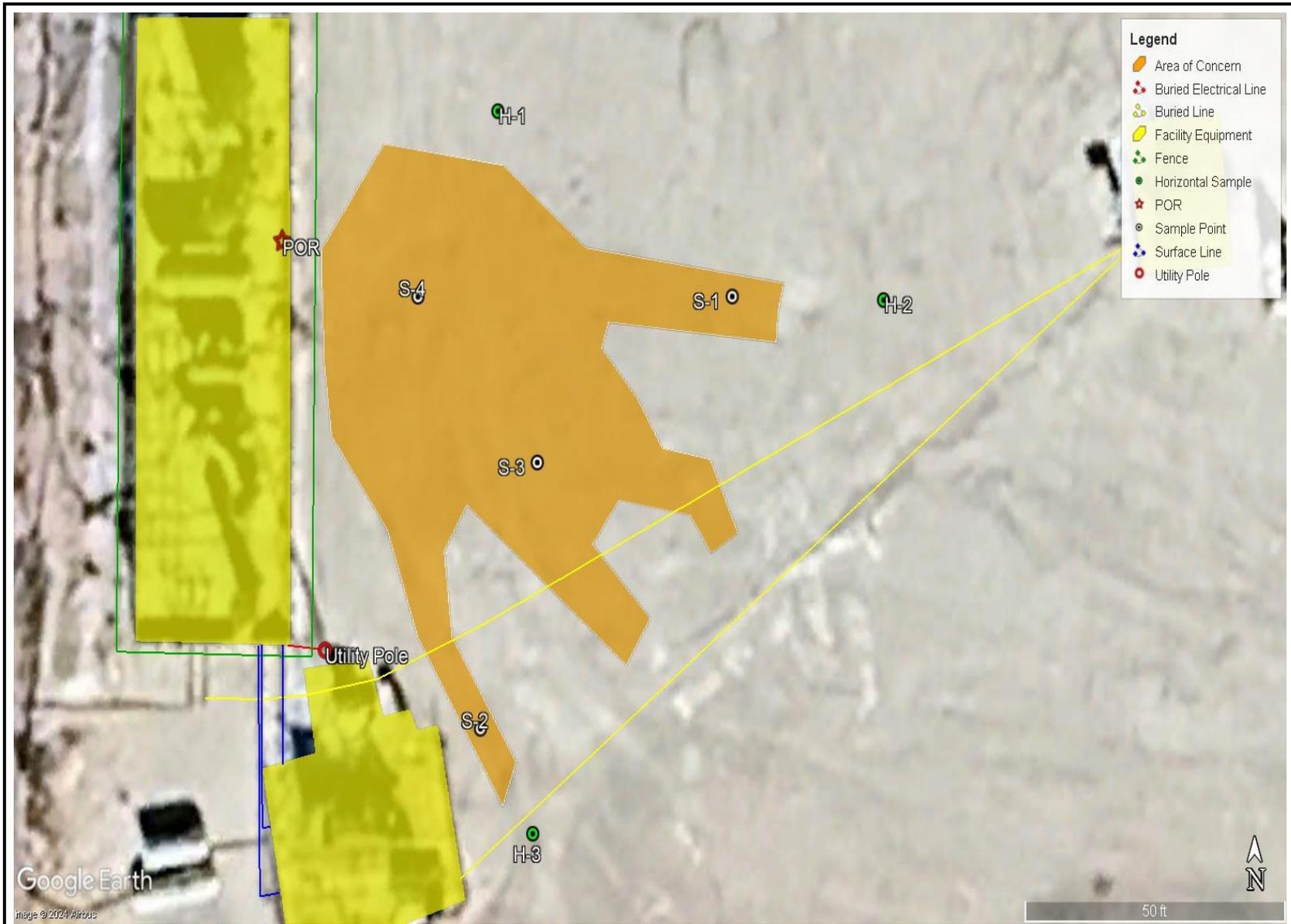
FIGURE 1



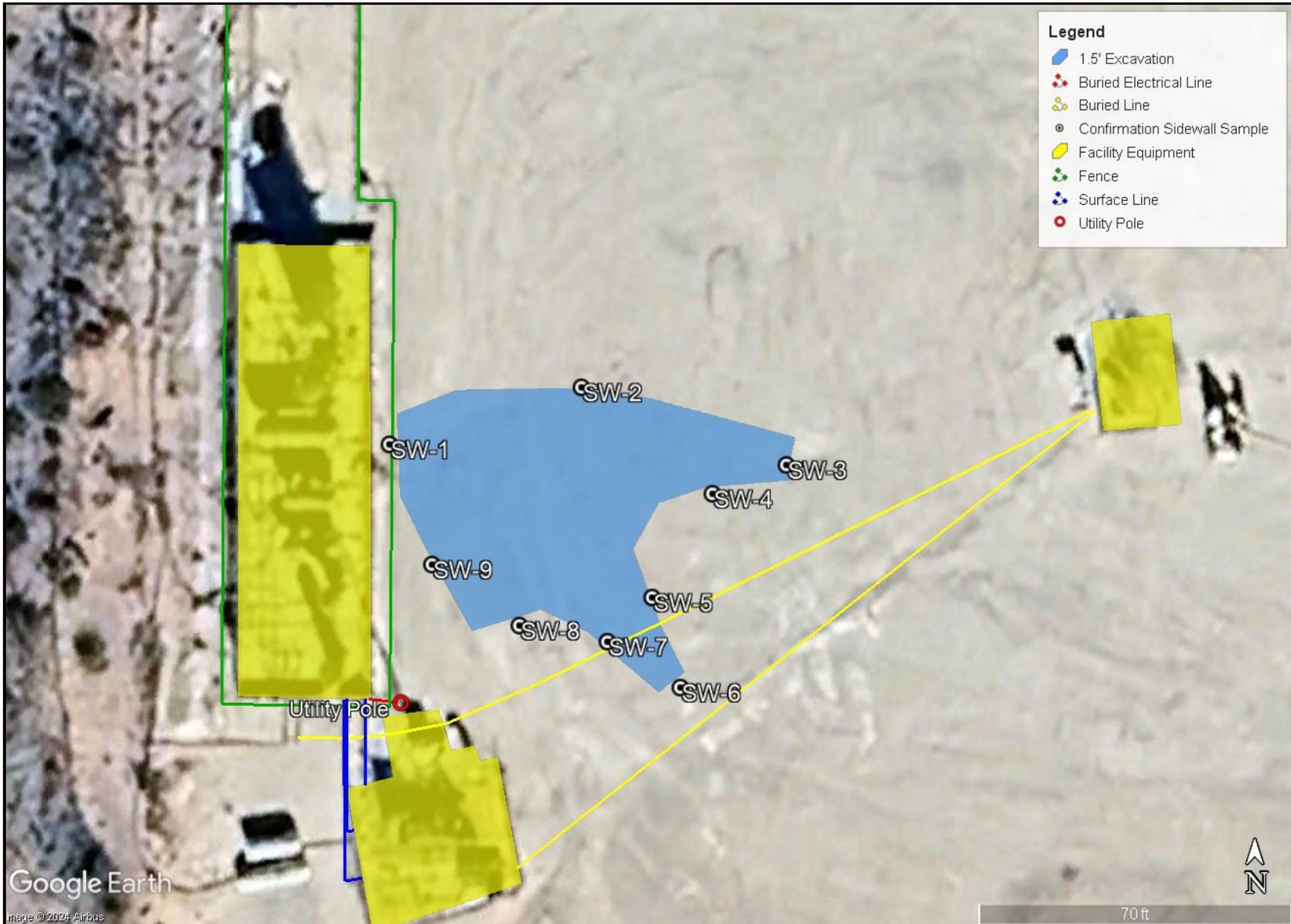
TOPOGRAPHIC MAP
COG OPERATING, LLC
NOCASTER 19 FEDERAL 004H (01.14.24)
LEA COUNTY, NEW MEXICO
32.2837°, -103.5033°



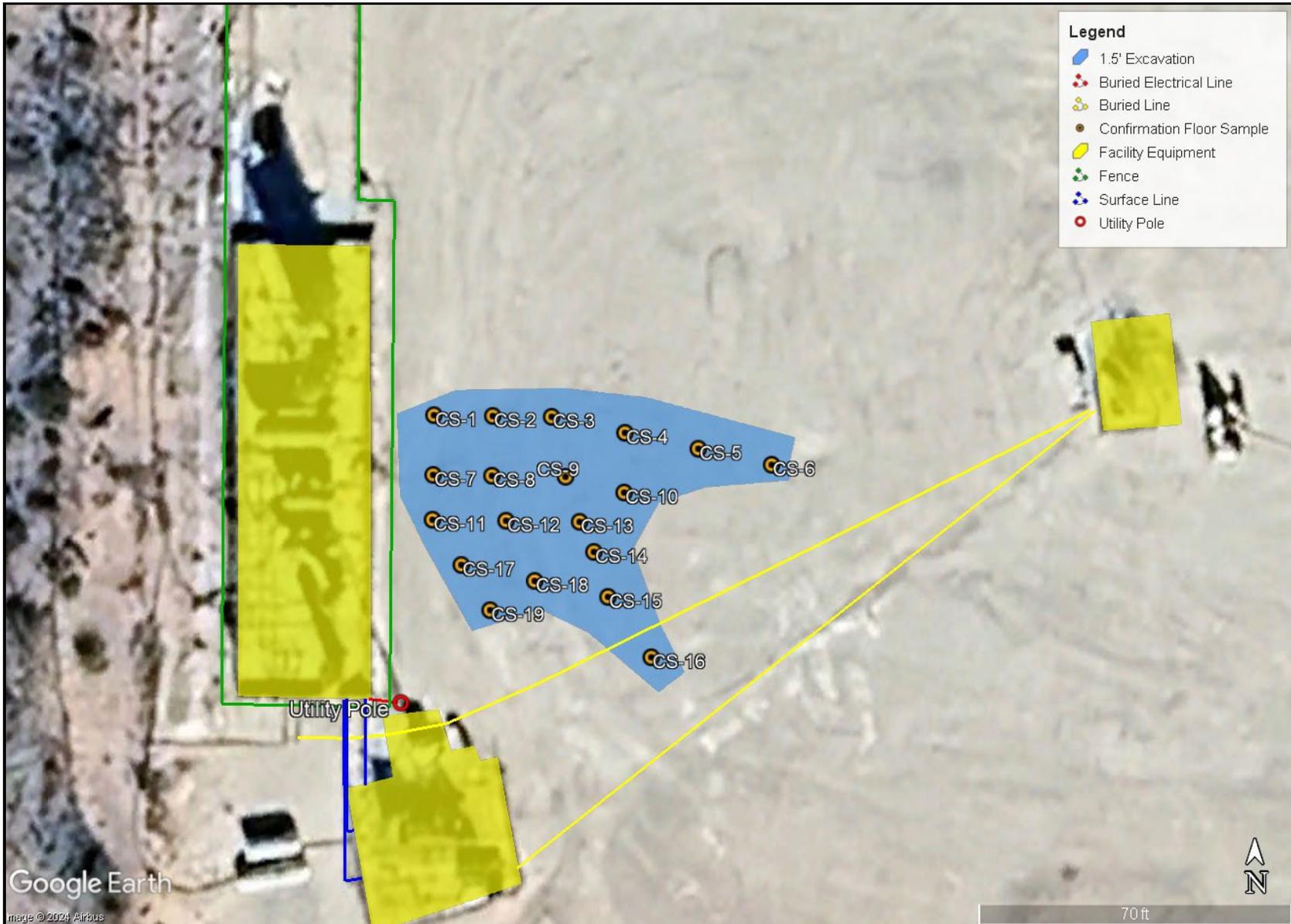
FIGURE 2



<p>SAMPLE LOCATION MAP COG OPERATING, LLC NOCASTER 19 FEDERAL 004H (01.14.24) LEA COUNTY, NEW MEXICO 32.2837°, -103.5033°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 3</p>
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<p>EXCAVATION DEPTH MAP COG OPERATING, LLC NOCASTER 19 FEDERAL 004H (01.14.24) LEA COUNTY, NEW MEXICO 32.2837°, -103.5033°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4A</p>
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<p>EXCAVATION DEPTH MAP COG OPERATING, LLC NOCASTER 19 FEDERAL 004H (01.14.24) LEA COUNTY, NEW MEXICO 32.2837°, -103.5033°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4B</p>
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APPENDIX A

CARMONA RESOURCES



**Table 1
COG Operating
Nocaster 19 Federal 4H (01.14.24)
Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	1/24/2024	0-1.0	280	549	68.3	897	0.467	9.40	4.72	17.8	32.4	304
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	0.129	0.051	0.167	0.347	48.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
S-2	1/24/2024	0-1.0	<10.0	74.5	<10.0	74.5	<0.050	<0.050	<0.050	<0.150	<0.300	224
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	0.073	<0.050	<0.150	<0.300	144
S-3	1/24/2024	0-1.0	331	687	71.7	1,090	0.399	5.87	3.00	11.3	20.6	480
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
S-4	1/24/2024	0-1.0	68.8	215	14.6	298	<0.050	0.848	0.645	2.53	4.02	80.0
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	4.0	<10.0	<10.0	<10.0	<10.0	0.141	0.281	<0.050	<0.150	0.422	16.0
BF SP	2/7/2024		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
H-1	1/24/2024	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
H-2	1/24/2024	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
H-3	1/24/2024	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
<i>Regulatory Criteria</i> ^A						100 mg/kg	10 mg/kg		50 mg/kg			600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Points

(BF SP) Backfill Material Stockpile

(H) Horizontal Sample

Removed

Table 2
COG Operating
Nocaster 19 Federal 4H (01.14.24)
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						
CS-1	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-2	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-3	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-4	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-5	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-6	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-7	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-8	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-9	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-10	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-11	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-12	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-13	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-14	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-15	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-16	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-17	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-18	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-19	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-1	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-2	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-3	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-4	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-5	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-6	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-7	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-8	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-9	2/9/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Regulatory Criteria ^A						100 mg/kg	10 mg/kg		50 mg/kg			600 mg/kg

(-) Not Analyzed
^A - Table 1 - 19.15.29 NMAC
 mg/kg - milligram per kilogram
 TPH - Total Petroleum Hydrocarbons
 ft - feet
 (CS) Confirmation Sample
 (SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

COG Operating

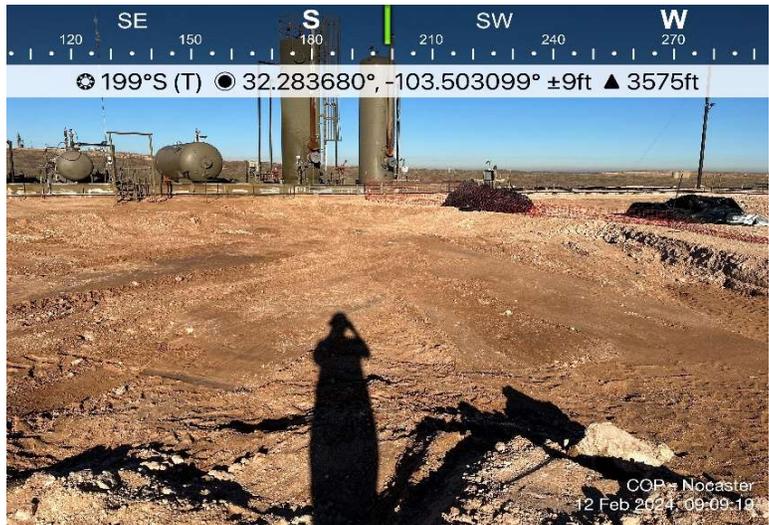
Photograph No. 1

Facility: Nocaster 19 Federal 004H
(01.14.24)

County: Lea County, New Mexico

Description:

View South, area of CS-1 through CS-10.



Photograph No. 2

Facility: Nocaster 19 Federal 004H
(01.14.24)

County: Lea County, New Mexico

Description:

View South, area of CS-5 through CS-16.



Photograph No. 3

Facility: Nocaster 19 Federal 004H
(01.14.24)

County: Lea County, New Mexico

Description:

View West, area of CS-1 through CS-10.



PHOTOGRAPHIC LOG

COG Operating

Photograph No. 4

Facility: Nocaster 19 Federal 004H
(01.14.24)

County: Lea County, New Mexico

Description:
View South, area of CS-1 through CS-13.



Photograph No. 5

Facility: Nocaster 19 Federal 004H
(01.14.24)

County: Lea County, New Mexico

Description:
View East, area of CS-7 through CS-19.



Photograph No. 6

Facility: Nocaster 19 Federal 004H
(01.14.24)

County: Lea County, New Mexico

Description:
View North, area of CS-11 through CS-19.



APPENDIX C

CARMONA RESOURCES



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 308817

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 308817
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Nocaster 19 Federal 004H
Date Release Discovered	01/14/2024
Surface Owner	State

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Release Other
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	Cause: Freeze Valve Crude Oil Released: 18 BBL Recovered: 10 BBL Lost: 8 BBL.
Produced Water Released (bbls) Details	Cause: Freeze Valve Produced Water Released: 5 BBL Recovered: 3 BBL Lost: 2 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 308817

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 308817
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</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.

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	<i>Not answered.</i>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<i>Not answered.</i>
All free liquids and recoverable materials have been removed and managed appropriately	<i>Not answered.</i>
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

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

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ACKNOWLEDGMENTS

Action 308817

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 308817
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment.
<input checked="" type="checkbox"/>	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
<input checked="" type="checkbox"/>	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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

CONDITIONS

Action 308817

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 308817
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
brittanyesparza	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	1/29/2024

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State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

Cause of Release

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

Convert irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	Estimated Pool Area (sq. ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture (%)	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Spilled Liquid other than Oil (bbl.)
Rectangle A	30	20	0.1	600.00	1.16	0.00	1.16		0.00	1.16
Rectangle B	15	10	0.1	150.00	0.22	0.00	0.22		0.00	0.22
Rectangle C	26	6	0.1	156.00	0.14	0.00	0.14		0.00	0.14
Rectangle D	25	15	0.1	375.00	0.72	0.00	0.72		0.00	0.72
Rectangle E	10	10	0.2	100.00	0.30	0.00	0.30		0.00	0.30
Rectangle F	30	10	2.5	300.00	11.13	0.01	11.24		0.00	11.24
Rectangle G	6	6	1.5	36.00	0.80	0.01	0.81		0.00	0.81
Rectangle H	25	15	1.5	375.00	8.34	0.01	8.40		0.00	8.40
Rectangle I				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle J				0.00	0.00	0.00	0.00		0.00	0.00
Total Surface Pool Volume Released, Release to Soil/Caliche:							22.9823		0.0000	22.9823

Received by OCD: 3/26/2024 8:10:05 AM

Released to Imaging: 5/3/2024 12:21:16 PM

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Santa Fe, NM 87505

QUESTIONS

Action 312134

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 312134
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2402931812
Incident Name	NAPP2402931812 NOCASTER 19 FEDERAL 004H @ 0
Incident Type	Release Other
Incident Status	Notification Accepted
Incident Facility	[fAPP2203775638] Nocaster 19 Fed #3 & #4 RB

Location of Release Source	
Site Name	Nocaster 19 Federal 004H
Date Release Discovered	01/14/2024
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	2,300
What is the estimated number of samples that will be gathered	28
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/09/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Conner Moerhring (432) 813- 6823
Please provide any information necessary for navigation to sampling site	From the intersection of NM128 and Delaware Basin road trvl N on Delaware Basin rd for 5.10 mi. Trn R onto unnamed lease rd and trvl E for 0.57 mi. Trn L and trvl N for 0.15. Arrive on the pad.

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CONDITIONS

Action 312134

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 312134
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jlaird	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.	2/7/2024

APPENDIX D

CARMONA RESOURCES



Nearest water well

COG Operating

Legend

-  0.50 Mile Radius
-  0.52 Miles
-  1.22 Miles
-  1.52 Miles
-  NMSEO Water Well
-  Nocaster 19 Federal 4H (01.14.24)
-  USGS Water Well



Low Karst

COG Operating

Legend

-  Low
-  Nocaster 19 Federal 4H (01.14.24)

Nocaster 19 Federal 4H (01.14.24) 



1 mi



New Mexico Office of the State Engineer Water Column/Average Depth to Water

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04667 POD1	CUB	LE		3	4	3	20	23S	34E	641770	3572915	773			
C 04353 POD1	CUB	ED		4	2	2	24	23S	33E	639474	3574098	1952	603	330	273
C 02282	CUB	LE		3	1	1	25	23S	33E	638098	3572436*	2933	325	225	100
C 03620 POD1	CUB	LE		1	4	3	32	23S	34E	641790	3569941	3041	480	130	350
C 02283	CUB	LE		4	2	2	26	23S	33E	637896	3572431*	3133	325	225	100
C 02284	CUB	LE		4	2	4	26	23S	33E	637907	3571626*	3334	325	225	100
C 04282 POD1	C	LE		1	2	1	05	24S	34E	641662	3569541	3401	574	390	184
CP 00556 POD1	CP	LE		4	4	3	08	23S	34E	641762	3576206	3415	497	255	242
CP 01886 POD1	CP	LE		4	1	4	07	23S	34E	640646	3576545	3684			
CP 01730 POD1	CP	LE		2	2	1	16	23S	34E	643549	3575824	3898	594	200	394
CP 01258 POD2	CP	LE		1	4	3	22	23S	34E	644941	3572883	3943	65		
CP 01258 POD3	CP	LE		1	4	3	22	23S	34E	644938	3573097	3946	25		

Average Depth to Water: **247 feet**
 Minimum Depth: **130 feet**
 Maximum Depth: **390 feet**

Record Count: 12

UTMNAD83 Radius Search (in meters):

Easting (X): 640997.57

Northing (Y): 3572877.64

Radius: 4000

*UTM location was derived from PLSS - see Help

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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-4667-POD1		WELL TAG ID NO.		OSE FILE NO(S). C-04665		
	WELL OWNER NAME(S) COG OPERATING LLC				PHONE (OPTIONAL) 575-988-2043		
	WELL OWNER MAILING ADDRESS 2208 W MAIN ST				CITY ARTESIA	STATE ZIP NM 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 32	SECONDS 17	SECONDS 2.55	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND
		LONGITUDE	-103	29	40.16	W	* DATUM REQUIRED: WGS 84
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE KING TUT FEDERAL 001H							

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1184	NAME OF LICENSED DRILLER RUSSELL SOUTHERLAND			NAME OF WELL DRILLING COMPANY WEST TEXAS WATER WELL SERVICE			
	DRILLING STARTED 9/15/2022	DRILLING ENDED 09/15/2022	DEPTH OF COMPLETED WELL (FT) 120	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A			
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input 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						
				NO CASING IN HOLE				

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				
				N/A		

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 04/30/19)		
FILE NO.	C-04667	POD NO.	1	TRN NO.	733232
LOCATION	23S. 34E. 20. 3. 4. 3		WELL TAG ID NO.	NA	PAGE 1 OF 2

USE DIT OCT 3 2022 PM 4:37

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				
	0	17		CALICHIE	Y ✓ N	
	17	60		SAND	Y ✓ N	
	60	120		RED SANDY CLAY	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					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: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER - SPECIFY: DRY HOLE					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

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: <div style="text-align: right; color: blue;">OSE DIT OCT 3 2022 PM4:37</div>	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: RUSSELL SOUTHERLAND	

6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.	
	 RUSSELL SOUTHERLAND SIGNATURE OF DRILLER / PRINT SIGNEE NAME	09/15/2022 _____ DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO. C-04667	POD NO. 1	TRN NO. 733232	
LOCATION 235. 34E. 20. 34.	WELL TAG ID NO. NA	PAGE 2 OF 2	

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

Click to hide News Bulletins

- Explore the [NEW USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321734103290001

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

USGS 321734103290001 23S.34E.16.333312

Lea County, New Mexico
 Latitude 32°17'53", Longitude 103°28'59" NAD27
 Land-surface elevation 3,478.00 feet above NGVD29
 The depth of the well is 400 feet below land surface.
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.
 This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1971-01-13			D	62610	3133.95	NGVD29	1	Z		
1971-01-13			D	62611	3135.58	NAVD88	1	Z		
1971-01-13			D	72019	344.05		1	Z		
1976-12-16			D	62610	3130.62	NGVD29	1	Z		
1976-12-16			D	62611	3132.25	NAVD88	1	Z		
1976-12-16			D	72019	347.38		1	Z		
1981-03-30			D	62610	3132.60	NGVD29	1	Z		
1981-03-30			D	62611	3134.23	NAVD88	1	Z		
1981-03-30			D	72019	345.40		1	Z		
1986-03-21			D	62610	3130.20	NGVD29	1	Z		
1986-03-21			D	62611	3131.83	NAVD88	1	Z		
1986-03-21			D	72019	347.80		1	Z		
1996-03-08			D	62610	3132.70	NGVD29	1	S		
1996-03-08			D	62611	3134.33	NAVD88	1	S		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
1996-03-08		D	72019	345.30		1	S

Explanation

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

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- [Automated retrievals](#)
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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)
 Page Last Modified: 2024-01-17 13:19:19 EST
 0.27 0.24 nadww02



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04353 POD1	4	2	2	24	23S	33E	639474	3574098

Driller License: 1737	Driller Company: SHADE TREE DRILLING	
Driller Name: JUSTIN MULLINS		
Drill Start Date: 11/04/2019	Drill Finish Date: 11/13/2019	Plug Date:
Log File Date: 01/29/2020	PCW Rcv Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 30 GPM
Casing Size: 6.00	Depth Well: 603 feet	Depth Water: 330 feet

Water Bearing Stratifications:	Top	Bottom	Description
	330	344	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom	
	301	601	

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

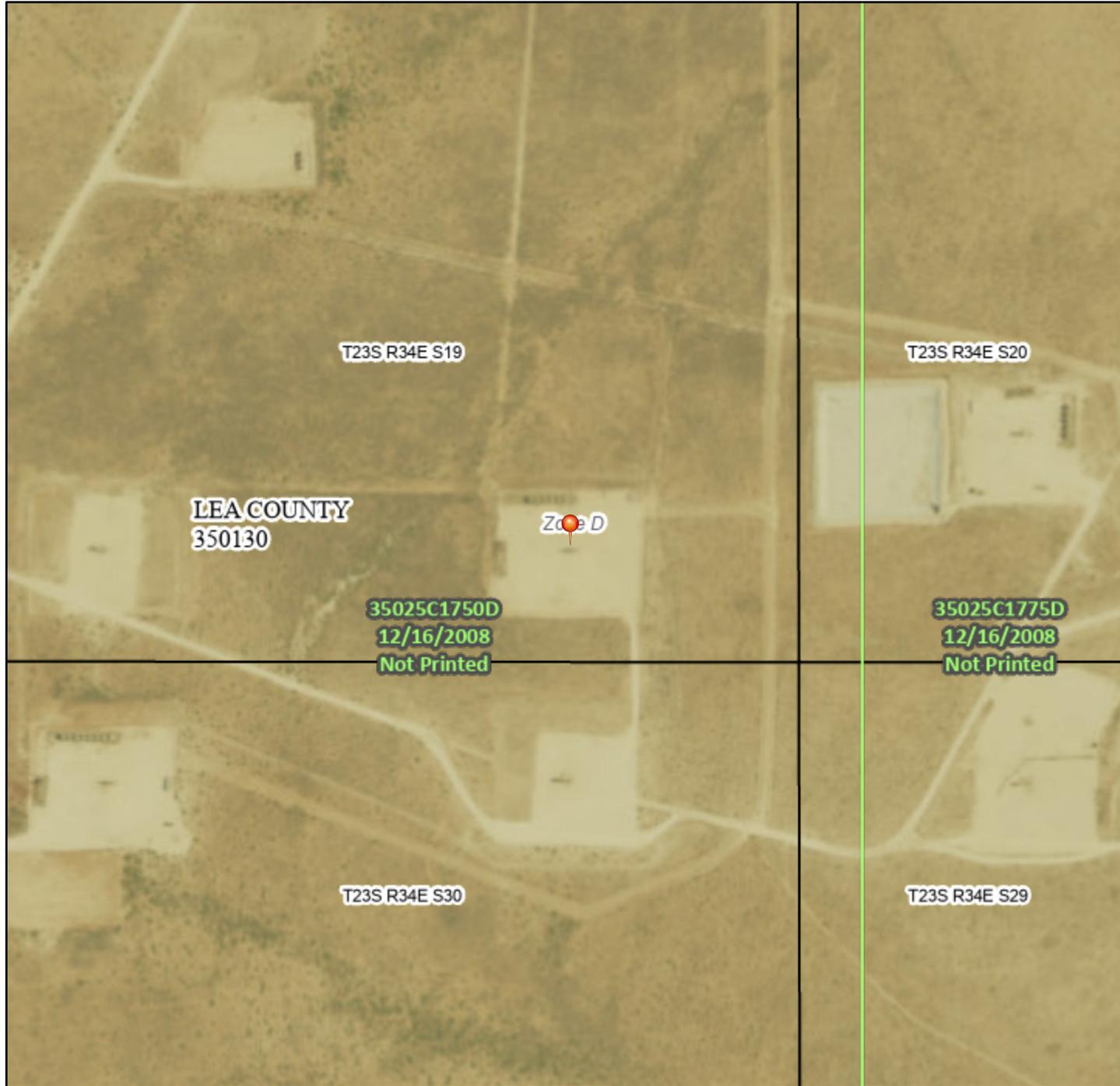
1/17/24 10:33 AM

POINT OF DIVERSION SUMMARY

National Flood Hazard Layer FIRMette



103°30'28"W 32°17'17"N



Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/17/2024 at 1:40 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

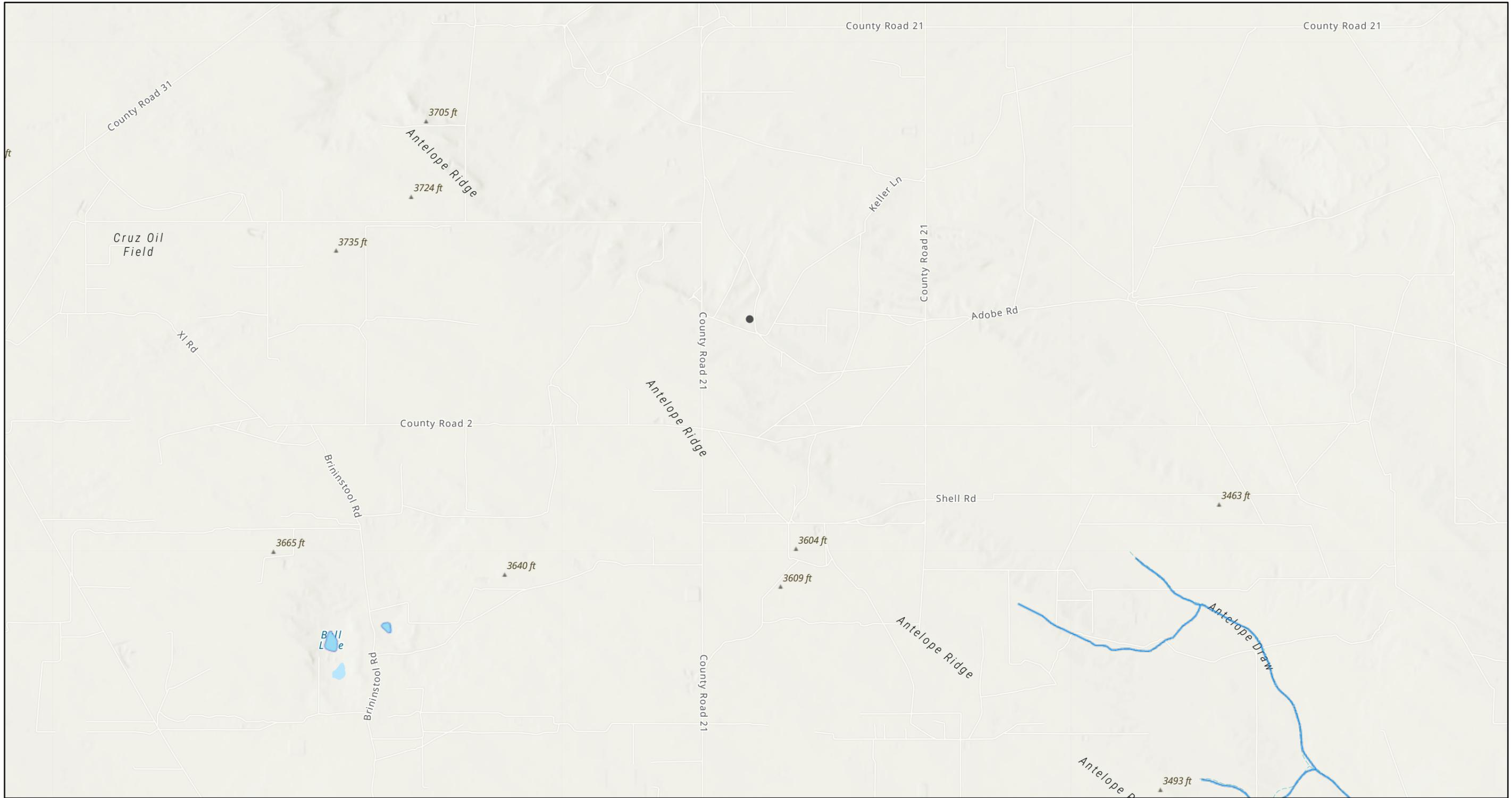
Released to Imaging: 5/3/2024 12:21:16 PM

1:6,000

103°29'51"W 32°16'46"N

Basemap Imagery Source: USGS National Map 2023

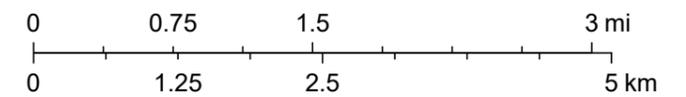
Nocaster 19 Federal 4H (01.14.24)



1/17/2024, 12:40:13 PM

1:72,224

- OSW Water Bodies
- OSE Streams



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 01, 2024

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

RE: NOCASTER 19 FEDERAL 4H (01.14.24)

Enclosed are the results of analyses for samples received by the laboratory on 01/29/24 16:30.

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". The signature is written in a cursive, flowing style.

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/24/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Dionica Hinojos
Project Location:	LEA COUNTY, NM		

Sample ID: S - 1 (0-1.0') (H240399-01)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.467	0.050	01/30/2024	ND	1.79	89.5	2.00	8.18	
Toluene*	9.40	0.050	01/30/2024	ND	1.90	94.8	2.00	6.95	
Ethylbenzene*	4.72	0.050	01/30/2024	ND	1.89	94.5	2.00	7.22	
Total Xylenes*	17.8	0.150	01/30/2024	ND	5.73	95.5	6.00	6.89	
Total BTEX	32.4	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 163 % 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	304	16.0	01/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	280	10.0	01/30/2024	ND	203	101	200	13.5	
DRO >C10-C28*	549	10.0	01/30/2024	ND	203	102	200	4.70	
EXT DRO >C28-C36	68.3	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 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
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	01/29/2024	Sampling Date:	01/24/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Dionica Hinojos
Project Location:	LEA COUNTY, NM		

Sample ID: S - 1 (1.5') (H240399-02)

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	01/30/2024	ND	1.79	89.5	2.00	8.18	
Toluene*	0.129	0.050	01/30/2024	ND	1.90	94.8	2.00	6.95	
Ethylbenzene*	0.051	0.050	01/30/2024	ND	1.89	94.5	2.00	7.22	
Total Xylenes*	0.167	0.150	01/30/2024	ND	5.73	95.5	6.00	6.89	
Total BTEX	0.347	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	48.0	16.0	01/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	203	101	200	13.5	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	203	102	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/24/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Dionica Hinojos
Project Location:	LEA COUNTY, NM		

Sample ID: S - 1 (2.0') (H240399-03)

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	01/30/2024	ND	1.79	89.5	2.00	8.18	
Toluene*	<0.050	0.050	01/30/2024	ND	1.90	94.8	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.89	94.5	2.00	7.22	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	5.73	95.5	6.00	6.89	
Total BTEX	<0.300	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	01/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	203	101	200	13.5	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	203	102	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 114 % 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
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	01/29/2024	Sampling Date:	01/24/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Dionica Hinojos
Project Location:	LEA COUNTY, NM		

Sample ID: S - 1 (3.0') (H240399-04)

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	01/30/2024	ND	1.79	89.5	2.00	8.18	
Toluene*	<0.050	0.050	01/30/2024	ND	1.90	94.8	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.89	94.5	2.00	7.22	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	5.73	95.5	6.00	6.89	
Total BTEX	<0.300	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	48.0	16.0	01/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	203	101	200	13.5	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	203	102	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 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
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	01/29/2024	Sampling Date:	01/24/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Dionica Hinojos
Project Location:	LEA COUNTY, NM		

Sample ID: S - 2 (0-1.0') (H240399-05)

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	01/30/2024	ND	1.79	89.5	2.00	8.18	
Toluene*	<0.050	0.050	01/30/2024	ND	1.90	94.8	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.89	94.5	2.00	7.22	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	5.73	95.5	6.00	6.89	
Total BTEX	<0.300	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	224	16.0	01/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	203	101	200	13.5	
DRO >C10-C28*	74.5	10.0	01/30/2024	ND	203	102	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/24/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Dionica Hinojos
Project Location:	LEA COUNTY, NM		

Sample ID: S - 2 (1.5') (H240399-06)

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	01/30/2024	ND	1.79	89.5	2.00	8.18	
Toluene*	<0.050	0.050	01/30/2024	ND	1.90	94.8	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.89	94.5	2.00	7.22	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	5.73	95.5	6.00	6.89	
Total BTEX	<0.300	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	112	16.0	01/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	203	101	200	13.5	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	203	102	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/24/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Dionica Hinojos
Project Location:	LEA COUNTY, NM		

Sample ID: S - 2 (2.0') (H240399-07)

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	01/30/2024	ND	1.79	89.5	2.00	8.18	
Toluene*	<0.050	0.050	01/30/2024	ND	1.90	94.8	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.89	94.5	2.00	7.22	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	5.73	95.5	6.00	6.89	
Total BTEX	<0.300	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	128	16.0	01/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	203	101	200	13.5	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	203	102	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 49.1-148

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Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/24/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Dionica Hinojos
Project Location:	LEA COUNTY, NM		

Sample ID: S - 2 (3.0') (H240399-08)

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	01/30/2024	ND	1.79	89.5	2.00	8.18	
Toluene*	0.073	0.050	01/30/2024	ND	1.90	94.8	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.89	94.5	2.00	7.22	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	5.73	95.5	6.00	6.89	
Total BTEX	<0.300	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	144	16.0	01/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	203	101	200	13.5	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	203	102	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 64.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.4 % 49.1-148

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Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/24/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Dionica Hinojos
Project Location:	LEA COUNTY, NM		

Sample ID: S - 3 (0-1.0') (H240399-09)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.399	0.050	01/30/2024	ND	1.79	89.5	2.00	8.18	
Toluene*	5.87	0.050	01/30/2024	ND	1.90	94.8	2.00	6.95	
Ethylbenzene*	3.00	0.050	01/30/2024	ND	1.89	94.5	2.00	7.22	
Total Xylenes*	11.3	0.150	01/30/2024	ND	5.73	95.5	6.00	6.89	
Total BTEX	20.6	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 147 % 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	480	16.0	01/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	331	10.0	01/30/2024	ND	206	103	200	2.37	
DRO >C10-C28*	687	10.0	01/30/2024	ND	228	114	200	1.85	
EXT DRO >C28-C36	71.7	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/24/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Dionica Hinojos
Project Location:	LEA COUNTY, NM		

Sample ID: S - 3 (1.5') (H240399-10)

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	01/30/2024	ND	1.79	89.5	2.00	8.18	
Toluene*	<0.050	0.050	01/30/2024	ND	1.90	94.8	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.89	94.5	2.00	7.22	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	5.73	95.5	6.00	6.89	
Total BTEX	<0.300	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	48.0	16.0	01/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	206	103	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	228	114	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 49.1-148

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Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/24/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Dionica Hinojos
Project Location:	LEA COUNTY, NM		

Sample ID: S - 3 (2.0') (H240399-11)

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	01/30/2024	ND	1.79	89.5	2.00	8.18	
Toluene*	<0.050	0.050	01/30/2024	ND	1.90	94.8	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.89	94.5	2.00	7.22	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	5.73	95.5	6.00	6.89	
Total BTEX	<0.300	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	01/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	206	103	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	228	114	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/24/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Dionica Hinojos
Project Location:	LEA COUNTY, NM		

Sample ID: S - 3 (3.0') (H240399-12)

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	01/30/2024	ND	1.79	89.5	2.00	8.18	
Toluene*	<0.050	0.050	01/30/2024	ND	1.90	94.8	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.89	94.5	2.00	7.22	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	5.73	95.5	6.00	6.89	
Total BTEX	<0.300	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	48.0	16.0	01/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	206	103	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	228	114	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

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Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/24/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Dionica Hinojos
Project Location:	LEA COUNTY, NM		

Sample ID: S - 3 (4.0') (H240399-13)

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	01/30/2024	ND	1.79	89.5	2.00	8.18		
Toluene*	<0.050	0.050	01/30/2024	ND	1.90	94.8	2.00	6.95		
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.89	94.5	2.00	7.22		
Total Xylenes*	<0.150	0.150	01/30/2024	ND	5.73	95.5	6.00	6.89		
Total BTEX	<0.300	0.300	01/30/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/30/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	206	103	200	2.37		
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	228	114	200	1.85		
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND						

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/24/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Dionica Hinojos
Project Location:	LEA COUNTY, NM		

Sample ID: S - 4 (0-1.0') (H240399-14)

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	01/30/2024	ND	1.79	89.5	2.00	8.18	
Toluene*	0.848	0.050	01/30/2024	ND	1.90	94.8	2.00	6.95	
Ethylbenzene*	0.645	0.050	01/30/2024	ND	1.89	94.5	2.00	7.22	
Total Xylenes*	2.53	0.150	01/30/2024	ND	5.73	95.5	6.00	6.89	
Total BTEX	4.02	0.300	01/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	68.8	10.0	01/30/2024	ND	206	103	200	2.37	
DRO >C10-C28*	215	10.0	01/30/2024	ND	228	114	200	1.85	
EXT DRO >C28-C36	14.6	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/24/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Dionica Hinojos
Project Location:	LEA COUNTY, NM		

Sample ID: S - 4 (1.5') (H240399-15)

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	01/30/2024	ND	1.79	89.5	2.00	8.18		
Toluene*	<0.050	0.050	01/30/2024	ND	1.90	94.8	2.00	6.95		
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.89	94.5	2.00	7.22		
Total Xylenes*	<0.150	0.150	01/30/2024	ND	5.73	95.5	6.00	6.89		
Total BTEX	<0.300	0.300	01/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/30/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	206	103	200	2.37		
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	228	114	200	1.85		
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND						

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/24/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Dionica Hinojos
Project Location:	LEA COUNTY, NM		

Sample ID: S - 4 (2.0') (H240399-16)

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	01/30/2024	ND	1.79	89.5	2.00	8.18		
Toluene*	<0.050	0.050	01/30/2024	ND	1.90	94.8	2.00	6.95		
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.89	94.5	2.00	7.22		
Total Xylenes*	<0.150	0.150	01/30/2024	ND	5.73	95.5	6.00	6.89		
Total BTEX	<0.300	0.300	01/30/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/30/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	206	103	200	2.37		
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	228	114	200	1.85		
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND						

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/24/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Dionica Hinojos
Project Location:	LEA COUNTY, NM		

Sample ID: S - 4 (3.0') (H240399-17)

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	01/30/2024	ND	1.79	89.5	2.00	8.18	
Toluene*	<0.050	0.050	01/30/2024	ND	1.90	94.8	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.89	94.5	2.00	7.22	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	5.73	95.5	6.00	6.89	
Total BTEX	<0.300	0.300	01/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	206	103	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	228	114	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 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
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	01/29/2024	Sampling Date:	01/24/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Dionica Hinojos
Project Location:	LEA COUNTY, NM		

Sample ID: S - 4 (4.0') (H240399-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.141	0.050	01/30/2024	ND	1.79	89.5	2.00	8.18	
Toluene*	0.281	0.050	01/30/2024	ND	1.90	94.8	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.89	94.5	2.00	7.22	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	5.73	95.5	6.00	6.89	
Total BTEX	0.422	0.300	01/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	206	103	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	228	114	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 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.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H240399

Page 1 of 2

Page 21 of 22

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <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:	Project Number:	Project Location:	Turn Around	Pres. Code	ANALYSIS REQUEST			Preservative Codes
					BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
Nocaster 19 Federal 4H (01.14.24)	2244	Lea County, New Mexico	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush 72 HR					
Sampler's Name:	GPJ							
PO #:								
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
Received Intact:	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	14D				
Cooler Custody Seals:	Temperature Reading:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Corrected Temperature:	-1.5°C				
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A						
Total Containers:		81						
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Sample Comments	
S-1 (0-1.0')	1/24/2024		X		G	1		
S-1 (1.5')	1/24/2024		X		G	1		
S-1 (2.0')	1/24/2024		X		G	1		
S-1 (3.0')	1/24/2024		X		G	1		
S-2 (0-1.0')	1/24/2024		X		G	1		
S-2 (1.5')	1/24/2024		X		G	1		
S-2 (2.0')	1/24/2024		X		G	1		
S-2 (3.0')	1/24/2024		X		G	1		
S-3 (0-1.0')	1/24/2024		X		G	1		
S-3 (1.5')	1/24/2024		X		G	1		

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	1/29/24 10:30	<i>Mike Carmona</i>	1/29/24

Chain of Custody

Work Order No: 18240 399

Page 2 of 2

Page 22 of 22

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	micarmona@carmonaresources.com

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

Project Name:	Project Number:	Project Location:	Turn Around	Pres. Code	ANALYSIS REQUEST			Preservative Codes
					BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
Nocaster 19 Federal 4H (01.14.24)	2244	Lea County, New Mexico	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush 72 HR					
Sampler's Name:	GPJ							
PO #:								
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
Received In tact:	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	140					
Cooler Custody Seals:	Correction Factor:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	140					
Sample Custody Seals:	Temperature Reading:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	-1.5°C					
Total Containers:	Corrected Temperature:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont		Sample Comments
S-3 (2.0')	1/24/2024		X		G	1	X	
S-3 (3.0')	1/24/2024		X		G	1	X	
S-3 (4.0')	1/24/2024		X		G	1	X	
S-4 (0-1.0')	1/24/2024		X		G	1	X	
S-4 (1.5')	1/24/2024		X		G	1	X	
S-4 (2.0')	1/24/2024		X		G	1	X	
S-4 (3.0')	1/24/2024		X		G	1	X	
S-4 (4.0')	1/24/2024		X		G	1	X	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	1/24/24 1030	<i>Mike Carmona</i>	1/24/24



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

February 01, 2024

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

RE: NOCASTER 19 FEDERAL 4H (01.14.24)

Enclosed are the results of analyses for samples received by the laboratory on 01/29/24 16:30.

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

Received:	01/29/2024	Sampling Date:	01/24/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Dionica Hinojos
Project Location:	LEA COUNTY, NM		

Sample ID: H - 1 (0-0.5') (H240402-01)

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	01/30/2024	ND	2.01	100	2.00	11.3	
Toluene*	<0.050	0.050	01/30/2024	ND	2.06	103	2.00	13.4	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.17	109	2.00	13.7	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.59	110	6.00	13.9	
Total BTEX	<0.300	0.300	01/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	227	113	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	227	114	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/24/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Dionica Hinojos
Project Location:	LEA COUNTY, NM		

Sample ID: H - 2 (0-0.5') (H240402-02)

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	01/30/2024	ND	2.01	100	2.00	11.3	
Toluene*	<0.050	0.050	01/30/2024	ND	2.06	103	2.00	13.4	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.17	109	2.00	13.7	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.59	110	6.00	13.9	
Total BTEX	<0.300	0.300	01/30/2024	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	240	16.0	01/30/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	227	113	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	227	114	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/24/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Dionica Hinojos
Project Location:	LEA COUNTY, NM		

Sample ID: H - 3 (0-0.5') (H240402-03)

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	01/30/2024	ND	2.01	100	2.00	11.3	
Toluene*	<0.050	0.050	01/30/2024	ND	2.06	103	2.00	13.4	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.17	109	2.00	13.7	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.59	110	6.00	13.9	
Total BTEX	<0.300	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	48.0	16.0	01/30/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	227	113	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	227	114	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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



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

February 08, 2024

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

RE: NOCASTER 19 FEDERAL 4H (01.14.24)

Enclosed are the results of analyses for samples received by the laboratory on 02/07/24 15:56.

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". The signature is written in a cursive style with a large, flowing "C" and "K".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/08/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Dionica Hinojos
Project Location:	LEA COUNTY, NM		

Sample ID: BACKFILL MATERIAL STOCKPILE (H240597-01)

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	02/07/2024	ND	1.80	90.1	2.00	6.15	
Toluene*	<0.050	0.050	02/07/2024	ND	1.91	95.5	2.00	5.25	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	1.86	93.1	2.00	5.09	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	5.82	96.9	6.00	3.79	
Total BTEX	<0.300	0.300	02/07/2024	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	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	02/07/2024	ND	241	120	200	9.48	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	237	119	200	15.5	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane 75.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.7 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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



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

February 12, 2024

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: NOCASTER 19 FEDERAL 4H (01.14.24)

Enclosed are the results of analyses for samples received by the laboratory on 02/09/24 16:20.

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 1 (1.5') (H240645-01)

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	02/09/2024	ND	2.19	109	2.00	13.8	
Toluene*	<0.050	0.050	02/09/2024	ND	2.20	110	2.00	14.2	
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.18	109	2.00	14.1	
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.56	109	6.00	12.3	
Total BTEX	<0.300	0.300	02/09/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/12/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	210	105	200	8.21	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	216	108	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: CS -2 (1.5') (H240645-02)

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	02/09/2024	ND	2.19	109	2.00	13.8		
Toluene*	<0.050	0.050	02/09/2024	ND	2.20	110	2.00	14.2		
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.18	109	2.00	14.1		
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.56	109	6.00	12.3		
Total BTEX	<0.300	0.300	02/09/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/12/2024	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/10/2024	ND	210	105	200	8.21		
DRO >C10-C28*	<10.0	10.0	02/10/2024	ND	216	108	200	5.42		
EXT DRO >C28-C36	<10.0	10.0	02/10/2024	ND						

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 3 (1.5') (H240645-03)

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	02/09/2024	ND	2.19	109	2.00	13.8		
Toluene*	<0.050	0.050	02/09/2024	ND	2.20	110	2.00	14.2		
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.18	109	2.00	14.1		
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.56	109	6.00	12.3		
Total BTEX	<0.300	0.300	02/09/2024	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	48.0	16.0	02/12/2024	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/10/2024	ND	210	105	200	8.21		
DRO >C10-C28*	<10.0	10.0	02/10/2024	ND	216	108	200	5.42		
EXT DRO >C28-C36	<10.0	10.0	02/10/2024	ND						

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 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
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 4 (1.5') (H240645-04)

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	02/09/2024	ND	2.19	109	2.00	13.8	
Toluene*	<0.050	0.050	02/09/2024	ND	2.20	110	2.00	14.2	
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.18	109	2.00	14.1	
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.56	109	6.00	12.3	
Total BTEX	<0.300	0.300	02/09/2024	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	32.0	16.0	02/12/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2024	ND	210	105	200	8.21	
DRO >C10-C28*	<10.0	10.0	02/10/2024	ND	216	108	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	02/10/2024	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 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
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 5 (1.5') (H240645-05)

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	02/09/2024	ND	2.19	109	2.00	13.8	
Toluene*	<0.050	0.050	02/09/2024	ND	2.20	110	2.00	14.2	
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.18	109	2.00	14.1	
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.56	109	6.00	12.3	
Total BTEX	<0.300	0.300	02/09/2024	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	32.0	16.0	02/12/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2024	ND	210	105	200	8.21	
DRO >C10-C28*	<10.0	10.0	02/10/2024	ND	216	108	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	02/10/2024	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 6 (1.5') (H240645-06)

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	02/09/2024	ND	2.19	109	2.00	13.8	
Toluene*	<0.050	0.050	02/09/2024	ND	2.20	110	2.00	14.2	
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.18	109	2.00	14.1	
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.56	109	6.00	12.3	
Total BTEX	<0.300	0.300	02/09/2024	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	32.0	16.0	02/12/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2024	ND	210	105	200	8.21	
DRO >C10-C28*	<10.0	10.0	02/10/2024	ND	216	108	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	02/10/2024	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 7 (1.5') (H240645-07)

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	02/09/2024	ND	2.19	109	2.00	13.8	
Toluene*	<0.050	0.050	02/09/2024	ND	2.20	110	2.00	14.2	
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.18	109	2.00	14.1	
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.56	109	6.00	12.3	
Total BTEX	<0.300	0.300	02/09/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/12/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2024	ND	210	105	200	8.21	
DRO >C10-C28*	<10.0	10.0	02/10/2024	ND	216	108	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	02/10/2024	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 8 (1.5') (H240645-08)

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	02/09/2024	ND	2.19	109	2.00	13.8	
Toluene*	<0.050	0.050	02/09/2024	ND	2.20	110	2.00	14.2	
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.18	109	2.00	14.1	
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.56	109	6.00	12.3	
Total BTEX	<0.300	0.300	02/09/2024	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	32.0	16.0	02/12/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2024	ND	210	105	200	8.21	
DRO >C10-C28*	<10.0	10.0	02/10/2024	ND	216	108	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	02/10/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 9 (1.5') (H240645-09)

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	02/09/2024	ND	2.19	109	2.00	13.8	
Toluene*	<0.050	0.050	02/09/2024	ND	2.20	110	2.00	14.2	
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.18	109	2.00	14.1	
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.56	109	6.00	12.3	
Total BTEX	<0.300	0.300	02/09/2024	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	32.0	16.0	02/12/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2024	ND	210	105	200	8.21	
DRO >C10-C28*	<10.0	10.0	02/10/2024	ND	216	108	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	02/10/2024	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 10 (1.5') (H240645-10)

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	02/10/2024	ND	2.19	109	2.00	13.8		
Toluene*	<0.050	0.050	02/10/2024	ND	2.20	110	2.00	14.2		
Ethylbenzene*	<0.050	0.050	02/10/2024	ND	2.18	109	2.00	14.1		
Total Xylenes*	<0.150	0.150	02/10/2024	ND	6.56	109	6.00	12.3		
Total BTEX	<0.300	0.300	02/10/2024	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	32.0	16.0	02/12/2024	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	201	101	200	4.27		
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	208	104	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND						

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 11 (1.5') (H240645-11)

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	02/10/2024	ND	2.19	109	2.00	13.8		
Toluene*	<0.050	0.050	02/10/2024	ND	2.20	110	2.00	14.2		
Ethylbenzene*	<0.050	0.050	02/10/2024	ND	2.18	109	2.00	14.1		
Total Xylenes*	<0.150	0.150	02/10/2024	ND	6.56	109	6.00	12.3		
Total BTEX	<0.300	0.300	02/10/2024	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	32.0	16.0	02/12/2024	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	201	101	200	4.27		
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	208	104	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND						

Surrogate: 1-Chlorooctane 75.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.9 % 49.1-148

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Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 12 (1.5') (H240645-12)

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	02/10/2024	ND	2.19	109	2.00	13.8		
Toluene*	<0.050	0.050	02/10/2024	ND	2.20	110	2.00	14.2		
Ethylbenzene*	<0.050	0.050	02/10/2024	ND	2.18	109	2.00	14.1		
Total Xylenes*	<0.150	0.150	02/10/2024	ND	6.56	109	6.00	12.3		
Total BTEX	<0.300	0.300	02/10/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/12/2024	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	201	101	200	4.27	QM-07	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	208	104	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND						

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 13 (1.5') (H240645-13)

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	02/10/2024	ND	2.19	109	2.00	13.8		
Toluene*	<0.050	0.050	02/10/2024	ND	2.20	110	2.00	14.2		
Ethylbenzene*	<0.050	0.050	02/10/2024	ND	2.18	109	2.00	14.1		
Total Xylenes*	<0.150	0.150	02/10/2024	ND	6.56	109	6.00	12.3		
Total BTEX	<0.300	0.300	02/10/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/12/2024	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	201	101	200	4.27		
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	208	104	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND						

Surrogate: 1-Chlorooctane 75.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.5 % 49.1-148

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Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 14 (1.5') (H240645-14)

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	02/10/2024	ND	2.19	109	2.00	13.8		
Toluene*	<0.050	0.050	02/10/2024	ND	2.20	110	2.00	14.2		
Ethylbenzene*	<0.050	0.050	02/10/2024	ND	2.18	109	2.00	14.1		
Total Xylenes*	<0.150	0.150	02/10/2024	ND	6.56	109	6.00	12.3		
Total BTEX	<0.300	0.300	02/10/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/12/2024	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	201	101	200	4.27		
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	208	104	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND						

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 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
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 15 (1.5') (H240645-15)

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	02/10/2024	ND	2.19	109	2.00	13.8		
Toluene*	<0.050	0.050	02/10/2024	ND	2.20	110	2.00	14.2		
Ethylbenzene*	<0.050	0.050	02/10/2024	ND	2.18	109	2.00	14.1		
Total Xylenes*	<0.150	0.150	02/10/2024	ND	6.56	109	6.00	12.3		
Total BTEX	<0.300	0.300	02/10/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/12/2024	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	201	101	200	4.27		
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	208	104	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND						

Surrogate: 1-Chlorooctane 69.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.0 % 49.1-148

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Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 16 (1.5') (H240645-16)

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	02/10/2024	ND	2.19	109	2.00	13.8		
Toluene*	<0.050	0.050	02/10/2024	ND	2.20	110	2.00	14.2		
Ethylbenzene*	<0.050	0.050	02/10/2024	ND	2.18	109	2.00	14.1		
Total Xylenes*	<0.150	0.150	02/10/2024	ND	6.56	109	6.00	12.3		
Total BTEX	<0.300	0.300	02/10/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/12/2024	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	201	101	200	4.27		
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	208	104	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND						

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 17 (1.5') (H240645-17)

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	02/10/2024	ND	2.19	109	2.00	13.8		
Toluene*	<0.050	0.050	02/10/2024	ND	2.20	110	2.00	14.2		
Ethylbenzene*	<0.050	0.050	02/10/2024	ND	2.18	109	2.00	14.1		
Total Xylenes*	<0.150	0.150	02/10/2024	ND	6.56	109	6.00	12.3		
Total BTEX	<0.300	0.300	02/10/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/12/2024	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	201	101	200	4.27		
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	208	104	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND						

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 18 (1.5') (H240645-18)

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	02/10/2024	ND	2.19	109	2.00	13.8		
Toluene*	<0.050	0.050	02/10/2024	ND	2.20	110	2.00	14.2		
Ethylbenzene*	<0.050	0.050	02/10/2024	ND	2.18	109	2.00	14.1		
Total Xylenes*	<0.150	0.150	02/10/2024	ND	6.56	109	6.00	12.3		
Total BTEX	<0.300	0.300	02/10/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/12/2024	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	201	101	200	4.27		
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	208	104	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND						

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 19 (1.5') (H240645-19)

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	02/10/2024	ND	2.21	111	2.00	13.2		
Toluene*	<0.050	0.050	02/10/2024	ND	2.21	110	2.00	13.3		
Ethylbenzene*	<0.050	0.050	02/10/2024	ND	2.19	109	2.00	13.3		
Total Xylenes*	<0.150	0.150	02/10/2024	ND	6.37	106	6.00	13.6		
Total BTEX	<0.300	0.300	02/10/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/12/2024	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	201	101	200	4.27		
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	208	104	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND						

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.0 % 49.1-148

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Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 1 (1.5') (H240645-20)

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	02/10/2024	ND	2.21	111	2.00	13.2	
Toluene*	<0.050	0.050	02/10/2024	ND	2.21	110	2.00	13.3	
Ethylbenzene*	<0.050	0.050	02/10/2024	ND	2.19	109	2.00	13.3	
Total Xylenes*	<0.150	0.150	02/10/2024	ND	6.37	106	6.00	13.6	
Total BTEX	<0.300	0.300	02/10/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/12/2024	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	201	101	200	4.27	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	208	104	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.4 % 49.1-148

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Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 2 (1.5') (H240645-21)

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	02/10/2024	ND	2.21	111	2.00	13.2		
Toluene*	<0.050	0.050	02/10/2024	ND	2.21	110	2.00	13.3		
Ethylbenzene*	<0.050	0.050	02/10/2024	ND	2.19	109	2.00	13.3		
Total Xylenes*	<0.150	0.150	02/10/2024	ND	6.37	106	6.00	13.6		
Total BTEX	<0.300	0.300	02/10/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/12/2024	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	201	101	200	4.27		
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	208	104	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND						

Surrogate: 1-Chlorooctane 71.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.1 % 49.1-148

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Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 3 (1.5') (H240645-22)

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	02/10/2024	ND	2.21	111	2.00	13.2		
Toluene*	<0.050	0.050	02/10/2024	ND	2.21	110	2.00	13.3		
Ethylbenzene*	<0.050	0.050	02/10/2024	ND	2.19	109	2.00	13.3		
Total Xylenes*	<0.150	0.150	02/10/2024	ND	6.37	106	6.00	13.6		
Total BTEX	<0.300	0.300	02/10/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/12/2024	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	201	101	200	4.27		
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	208	104	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND						

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 4 (1.5') (H240645-23)

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	02/10/2024	ND	2.21	111	2.00	13.2		
Toluene*	<0.050	0.050	02/10/2024	ND	2.21	110	2.00	13.3		
Ethylbenzene*	<0.050	0.050	02/10/2024	ND	2.19	109	2.00	13.3		
Total Xylenes*	<0.150	0.150	02/10/2024	ND	6.37	106	6.00	13.6		
Total BTEX	<0.300	0.300	02/10/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/12/2024	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	201	101	200	4.27		
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	208	104	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND						

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.8 % 49.1-148

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Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 5 (1.5') (H240645-24)

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	02/10/2024	ND	2.21	111	2.00	13.2		
Toluene*	<0.050	0.050	02/10/2024	ND	2.21	110	2.00	13.3		
Ethylbenzene*	<0.050	0.050	02/10/2024	ND	2.19	109	2.00	13.3		
Total Xylenes*	<0.150	0.150	02/10/2024	ND	6.37	106	6.00	13.6		
Total BTEX	<0.300	0.300	02/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/12/2024	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	02/10/2024	ND	201	101	200	4.27		
DRO >C10-C28*	<10.0	10.0	02/10/2024	ND	208	104	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	02/10/2024	ND						

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 6 (1.5') (H240645-25)

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	02/10/2024	ND	2.21	111	2.00	13.2		
Toluene*	<0.050	0.050	02/10/2024	ND	2.21	110	2.00	13.3		
Ethylbenzene*	<0.050	0.050	02/10/2024	ND	2.19	109	2.00	13.3		
Total Xylenes*	<0.150	0.150	02/10/2024	ND	6.37	106	6.00	13.6		
Total BTEX	<0.300	0.300	02/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/12/2024	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	02/10/2024	ND	201	101	200	4.27		
DRO >C10-C28*	<10.0	10.0	02/10/2024	ND	208	104	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	02/10/2024	ND						

Surrogate: 1-Chlorooctane 72.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.5 % 49.1-148

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Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 7 (1.5') (H240645-26)

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	02/10/2024	ND	2.21	111	2.00	13.2		
Toluene*	<0.050	0.050	02/10/2024	ND	2.21	110	2.00	13.3		
Ethylbenzene*	<0.050	0.050	02/10/2024	ND	2.19	109	2.00	13.3		
Total Xylenes*	<0.150	0.150	02/10/2024	ND	6.37	106	6.00	13.6		
Total BTEX	<0.300	0.300	02/10/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/12/2024	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	02/10/2024	ND	201	101	200	4.27		
DRO >C10-C28*	<10.0	10.0	02/10/2024	ND	208	104	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	02/10/2024	ND						

Surrogate: 1-Chlorooctane 78.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 49.1-148

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Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 8 (1.5') (H240645-27)

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	02/10/2024	ND	2.21	111	2.00	13.2		
Toluene*	<0.050	0.050	02/10/2024	ND	2.21	110	2.00	13.3		
Ethylbenzene*	<0.050	0.050	02/10/2024	ND	2.19	109	2.00	13.3		
Total Xylenes*	<0.150	0.150	02/10/2024	ND	6.37	106	6.00	13.6		
Total BTEX	<0.300	0.300	02/10/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/12/2024	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	02/10/2024	ND	201	101	200	4.27		
DRO >C10-C28*	<10.0	10.0	02/10/2024	ND	208	104	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	02/10/2024	ND						

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

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Analytical Results For:

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

Received:	02/09/2024	Sampling Date:	02/09/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	NOCASTER 19 FEDERAL 4H (01.14.24)	Sampling Condition:	Cool & Intact
Project Number:	2244	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 9 (1.5') (H240645-28)

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	02/10/2024	ND	2.21	111	2.00	13.2	
Toluene*	<0.050	0.050	02/10/2024	ND	2.21	110	2.00	13.3	
Ethylbenzene*	<0.050	0.050	02/10/2024	ND	2.19	109	2.00	13.3	
Total Xylenes*	<0.150	0.150	02/10/2024	ND	6.37	106	6.00	13.6	
Total BTEX	<0.300	0.300	02/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/12/2024	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	02/10/2024	ND	201	101	200	4.27	
DRO >C10-C28*	<10.0	10.0	02/10/2024	ND	208	104	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	02/10/2024	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 18410645

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonarresources.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <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:	Nocaster 19 Federal 4H (01.14.24)	Turn Around	
Project Number:	2244	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	
Project Location:	Lea County, New Mexico	Due Date:	24 HR
Sampler's Name:	JM		
PO #:			

Received In tact:	Temp Blank: Yes No	Yes No	Wet Ice: Yes No	Pres. Code
Cooler Custody Seals:	Yes No N/A	Thermometer ID:		
Sample Custody Seals:	Yes No N/A	Correction Factor:		
Total Containers:		Temperature Reading:	3.9	
		Corrected Temperature:		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters				Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500		
CS-1 (1.5)	2/9/2024		X		C	1	X	X	X		
CS-2 (1.5)	2/9/2024		X		C	1	X	X	X		
CS-3 (1.5)	2/9/2024		X		C	1	X	X	X		
CS-4 (1.5)	2/9/2024		X		C	1	X	X	X		
CS-5 (1.5)	2/9/2024		X		C	1	X	X	X		
CS-6 (1.5)	2/9/2024		X		C	1	X	X	X		
CS-7 (1.5)	2/9/2024		X		C	1	X	X	X		
CS-8 (1.5)	2/9/2024		X		C	1	X	X	X		
CS-9 (1.5)	2/9/2024		X		C	1	X	X	X		
CS-10 (1.5)	2/9/2024		X		C	1	X	X	X		

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	2/9/24 10:30	<i>Stephanie...</i>	

Chain of Custody

Work Order No: 18401015

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com

Work Order Comments	
Program: UST/PT	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Deepfund
State of Project:	
Reporting Level: 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:	Nocaster 19 Federal 4H (01, 14, 24)	Turn Around	Pres. Code
Project Number:	2244	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	
Project Location:	Lea County, New Mexico	Due Date:	24 HR
Sampler's Name:	JM		
PO #:			

ANALYSIS REQUEST	Parameters	Pres. Code
	BTEX 8021B	
	TPH 8015M (GRO + DRO + MRO)	
	Chloride 4500	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST	Preservative Codes
CS-11 (1.5')	2/9/2024		X		C	1		None: NO DI Water: H ₂ O
CS-12 (1.5')	2/9/2024		X		C	1		Cool: Cool MeOH: Me
CS-13 (1.5')	2/9/2024		X		C	1		HCL: HC HNO ₃ : HN
CS-14 (1.5')	2/9/2024		X		C	1		H ₂ SO ₄ : H ₂ NaOH: Na
CS-15 (1.5')	2/9/2024		X		C	1		H ₃ PO ₄ : HP NaHSO ₄ : NABIS
CS-16 (1.5')	2/9/2024		X		C	1		Na ₂ S ₂ O ₃ : NASO ₃ Zn Acetate+NaOH: Zn
CS-17 (1.5')	2/9/2024		X		C	1		NaOH+Ascorbic Acid: SAPP
CS-18 (1.5')	2/9/2024		X		C	1		
CS-19 (1.5')	2/9/2024		X		C	1		
SW-1 (1.5')	2/9/2024		X		C	1		

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	2/29/2024	<i>Spotlight</i>	

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
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 1220 S. St Francis Dr., Santa Fe, NM 87505
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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 326666

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 326666
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2402931812
Incident Name	NAPP2402931812 NOCASTER 19 FEDERAL 004H @ 0
Incident Type	Release Other
Incident Status	Reclamation Report Received
Incident Facility	[fAPP2203775638] Nocaster 19 Fed #3 & #4 RB

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Nocaster 19 Federal 004H
Date Release Discovered	01/14/2024
Surface Owner	State

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Release Other
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	Cause: Freeze Valve Crude Oil Released: 18 BBL Recovered: 10 BBL Lost: 8 BBL.
Produced Water Released (bbls) Details	Cause: Freeze Valve Produced Water Released: 5 BBL Recovered: 3 BBL Lost: 2 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 326666

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 326666
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</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.

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	<i>Not answered.</i>

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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 03/26/2024
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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 326666
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 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)	304
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1090
GRO+DRO (EPA SW-846 Method 8015M)	1018
BTEX (EPA SW-846 Method 8021B or 8260B)	32.4
Benzene (EPA SW-846 Method 8021B or 8260B)	1

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

On what estimated date will the remediation commence	02/07/2024
On what date will (or did) the final sampling or liner inspection occur	02/09/2024
On what date will (or was) the remediation complete(d)	02/12/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1800
What is the estimated volume (in cubic yards) that will be remediated	140

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

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

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QUESTIONS, Page 4

Action 326666

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 326666
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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.)	Yes
Which OCD approved facility will be used for off-site disposal	Nocaster 19 Fed #3 & #4 RB [fAPP2203775638]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 03/26/2024
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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 326666

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 326666
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

Requesting a deferral of the remediation closure due date with the approval of this submission	No
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QUESTIONS, Page 6

Action 326666

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 326666
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	312134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/09/2024
What was the (estimated) number of samples that were to be gathered	28
What was the sampling surface area in square feet	2300

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	1800
What was the total volume (cubic yards) remediated	140
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)	N/A

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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 03/26/2024
--	---

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QUESTIONS, Page 7

Action 326666

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 326666
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report

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

Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	1800
What was the total volume of replacement material (in cubic yards) for this site	140

Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.

Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	03/26/2024

Summarize any additional reclamation activities not included by answers (above)	N/A
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The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 03/26/2024
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QUESTIONS, Page 8

Action 326666

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 326666
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 326666

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 326666
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	5/3/2024