



SITE INFORMATION

Closure Report
Rustler Bluff 25 Central Tank Battery (12.26.2023)
Incident #: nAPP2336146606
Eddy County, New Mexico
Unit M Sec 25 T26S R28E
32.007336°, -104.047266°

Crude Oil and Produced Water Release
Point of Release: Equipment Failure, Separator
Release Date: 12.26.2023
Volume Released: 8 Barrels of Crude Oil & 31 Barrels of Produced Water
Volume Recovered: 4 Barrel of Crude Oil & 3 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Chevron U.S.A., Inc.
6301 Deauville Blvd
Midland, Texas 79706

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



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February 19, 2024

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

**Re: Closure Report
Rustler Bluff 25 Central Tank Battery (12.26.2023)
Chevron U.S.A., Inc.
Site Location: Unit M, S25, T26S, R28E
(Lat 32.007336°, Long -104.047266°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Chevron U.S.A., Inc. (Chevron), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Rustler Bluff 25 Central Tank Battery release. The site is located at 32.007336°, -104.047266° within Unit M, S25, T26S, R28E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on December 23, 2023, caused by equipment failure on the separator. It resulted in approximately eight (8) barrels of crude oil and thirty-one (31) barrels of produced water. Four (4) barrels of crude oil and three (3) barrels of produced water were recovered. The impacted area was located all on the production well pad, shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The closest groundwater determination bore is approximately 0.69 miles Southeast of the site in S31, T26S, R29E and was drilled in 2022. The well has a reported depth to groundwater of >55' feet below the ground surface (ft bgs) since the presence of groundwater was not encountered. A copy of the associated well log is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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



4.0 Site Assessment Activities

Initial Assessment

Between January 17, 2024 and January 23, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of four (4) test trenches (T-1 through T-4), and seven (7) horizontal sample points (H-1 through H-7) were installed to total depths ranging from surface to 3.0' bgs inside and surrounding the release area. 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 E.

Vertical Delineation

Vertical delineation was achieved in all areas for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1.

Horizontal Delineation

The areas of H-1 through H-6 were below the regulatory limits for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on February 1, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas of T-1 through T-3 were excavated to a depth of 1.5' bgs. The area of T-4 was excavated to a depth of 2.0' bgs. A total of sixteen (16) confirmation floor samples were collected (CS-1 through CS-16), and fourteen (14) sidewall samples (SW-1 through SW-14) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4A and 4B.

All final confirmation samples were below the regulatory requirements for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 2,885 square feet of contamination was remediated, resulting in 190 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. Chevron formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

Ashton Thielke
Sr. Project Manager

Clinton Merritt
Sr. Project Manager

FIGURES

CARMONA RESOURCES

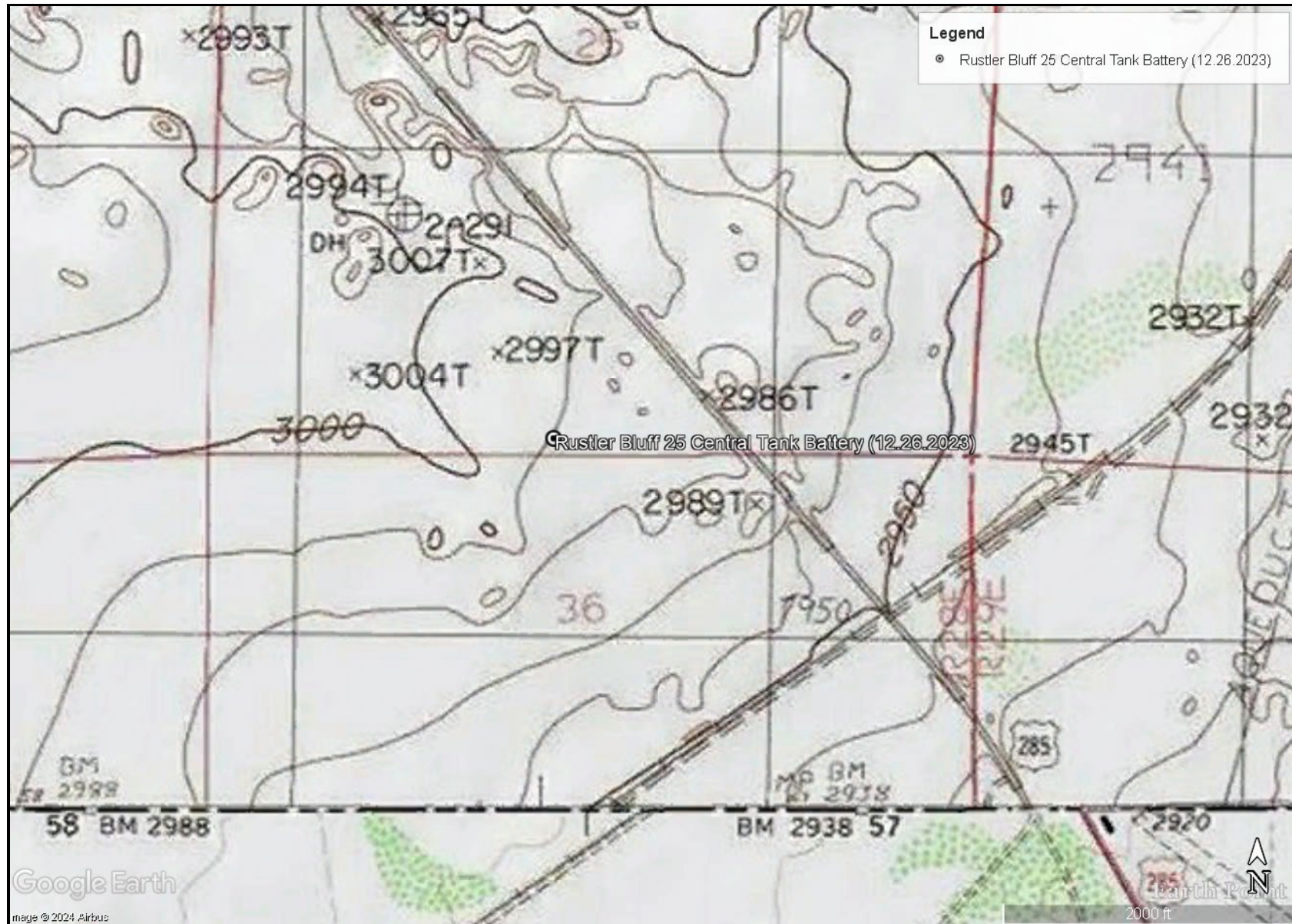




OVERVIEW MAP
CHEVRON U.S.A., INC.
RUSTLER BLUFF 25 CTB (12.26.2023)
EDDY COUNTY, NEW MEXICO
32.007336°, 104.047266°



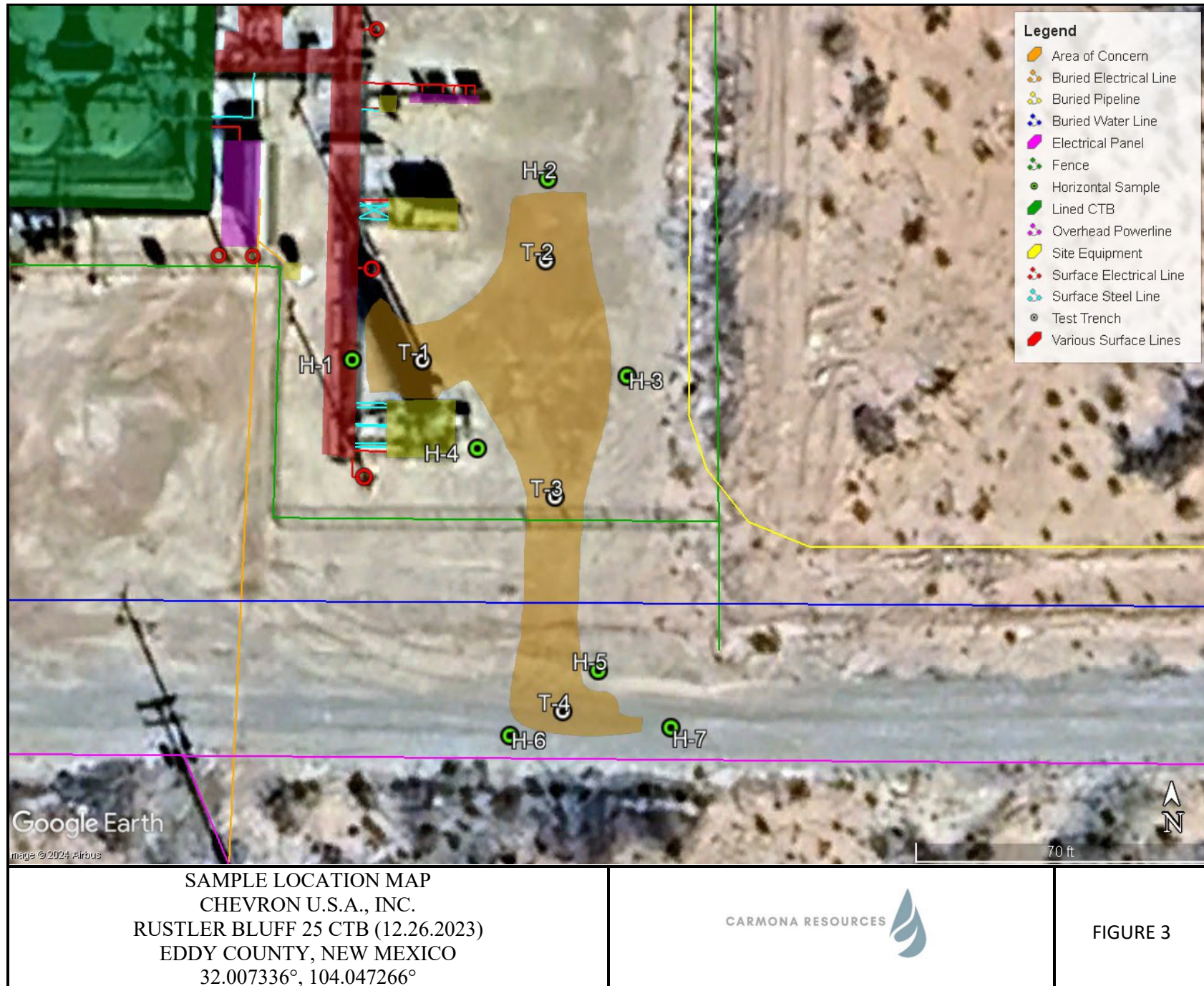
FIGURE 1

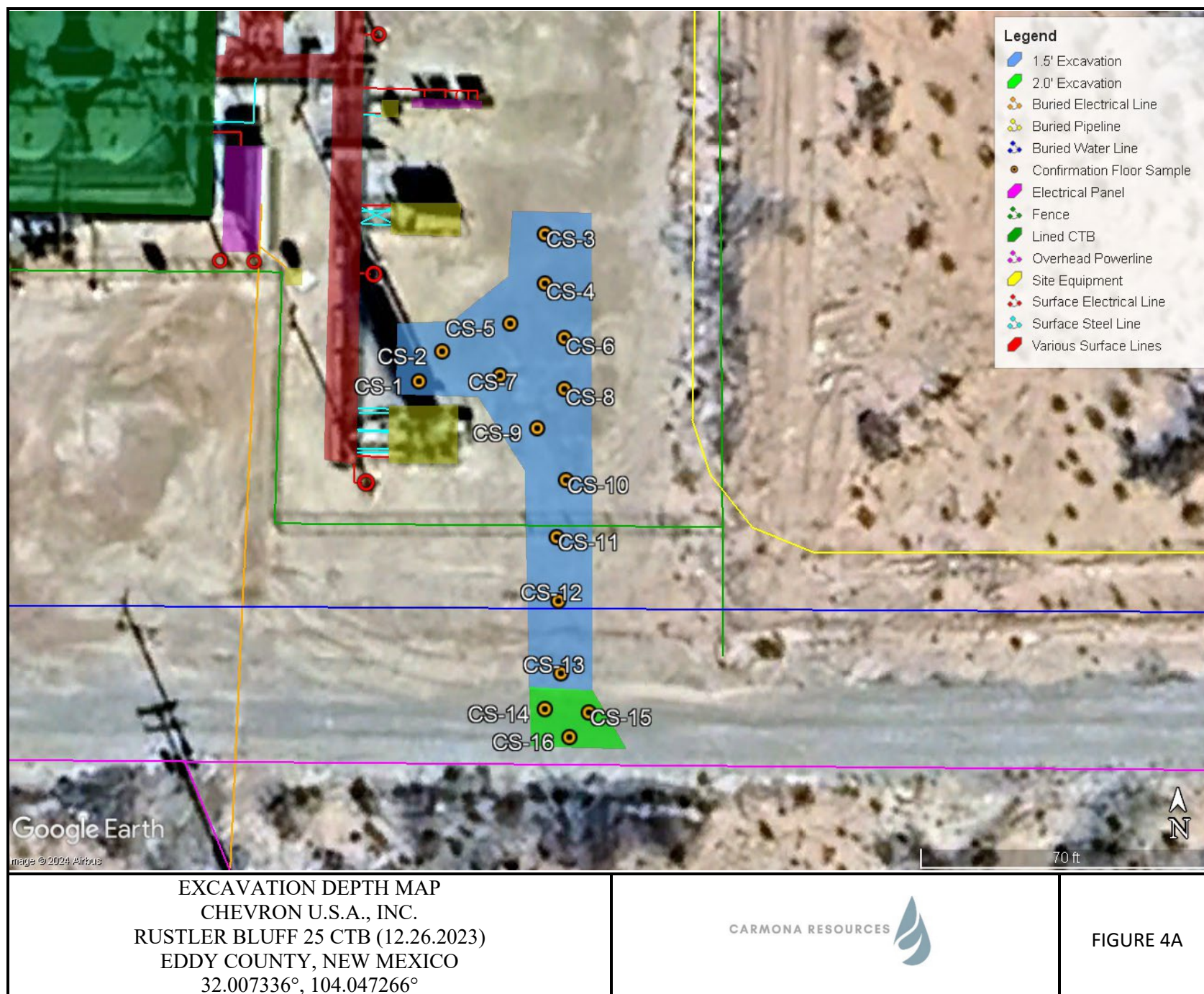


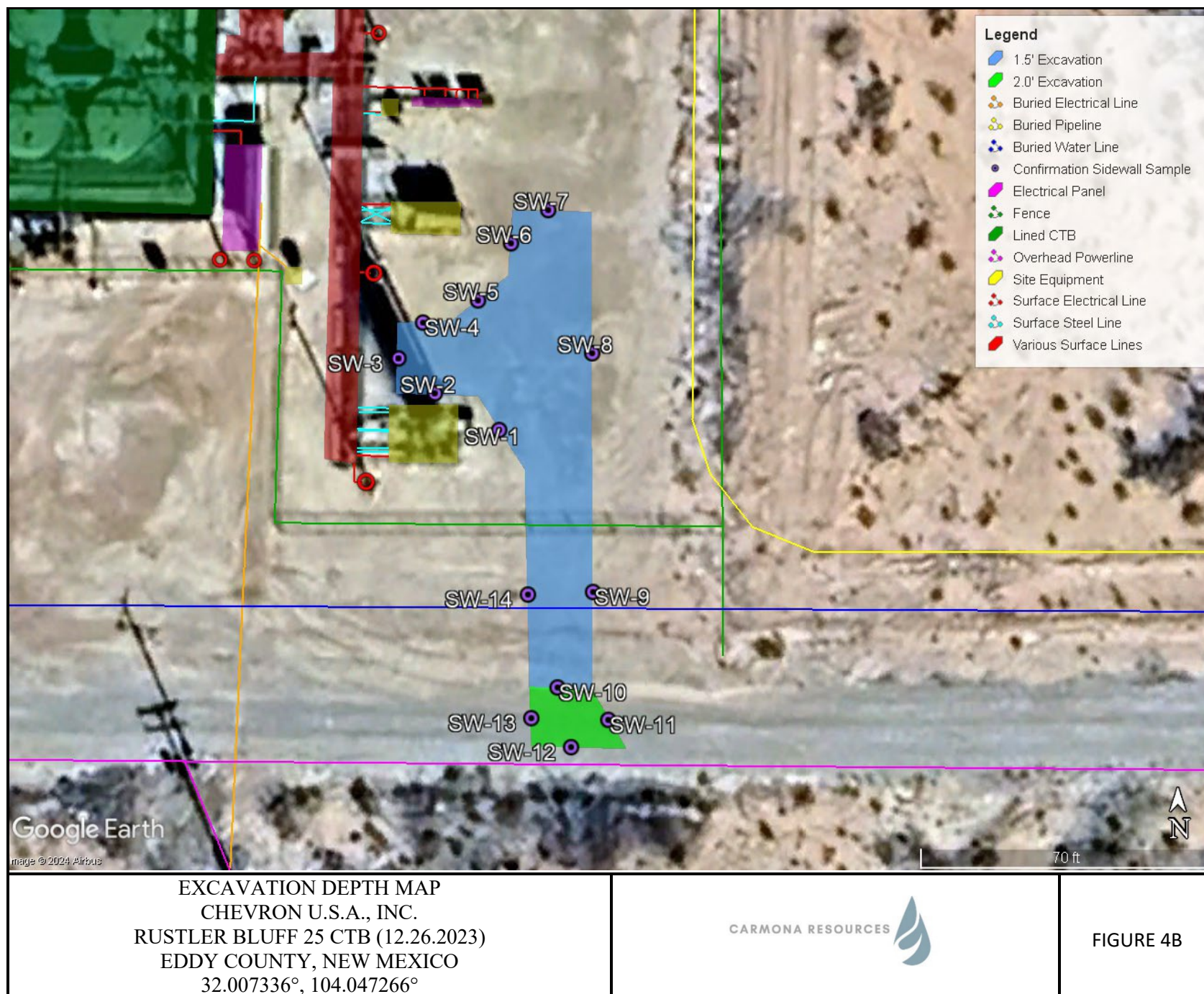
TOPOGRAPHIC MAP
 CHEVRON U.S.A., INC.
 RUSTLER BLUFF 25 CTB (12.26.2023)
 EDDY COUNTY, NEW MEXICO
 32.007336°, 104.047266°



FIGURE 2







APPENDIX A

CARMONA RESOURCES



Table 1
Chevron
Rustler Bluff 25 TB (12.26.2023)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
T-1	1/17/2024	0-1.0	11.2	194	32.8	238	<0.050	<0.050	<0.050	<0.150	<0.300	416
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
T-2	1/17/2024	0-1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,570
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
T-3	1/23/2024	0-1.0	<10.0	462	72.1	534	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
T-4	1/23/2024	0-1.0	428	3,270	543	4,241	<0.050	0.5586	1.68	16.4	18.7	32.0
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
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

(T) Trenching

 Removed

Table 1
Chevron
Rustler Bluff 25 TB (12.26.2023)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	1/23/2024	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
H-2	1/23/2024	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
H-3	1/23/2024	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-4	1/23/2024	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-5	1/23/2024	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-6	1/23/2024	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
H-7	1/23/2024	0-0.5	<10.0	23.9	<10.0	23.9	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) Horizontal

Table 2
Chevron
Rustler Bluff 25 TB (12.26.2023)
Eddy 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	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-2	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-3	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-4	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-5	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-6	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-7	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-8	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-9	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-10	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-11	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-12	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-13	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-14	2/5/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-15	2/5/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-16	2/5/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Regulatory Criteria ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) - Confirmation Floor Sample

Table 2
Chevron
Rustler Bluff 25 TB (12.26.2023)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-2	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-3	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-4	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-5	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-6	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-7	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-8	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-9	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-10	2/5/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-11	2/5/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-12	2/5/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-13	2/5/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-14	2/5/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Regulatory Criteria ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) - Confirmation Sidewall Sample

APPENDIX B

CARMONA RESOURCES

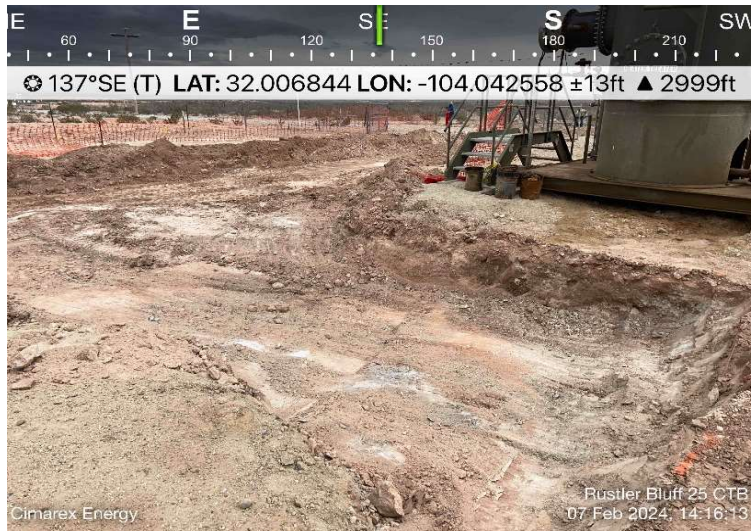


PHOTOGRAPHIC LOG

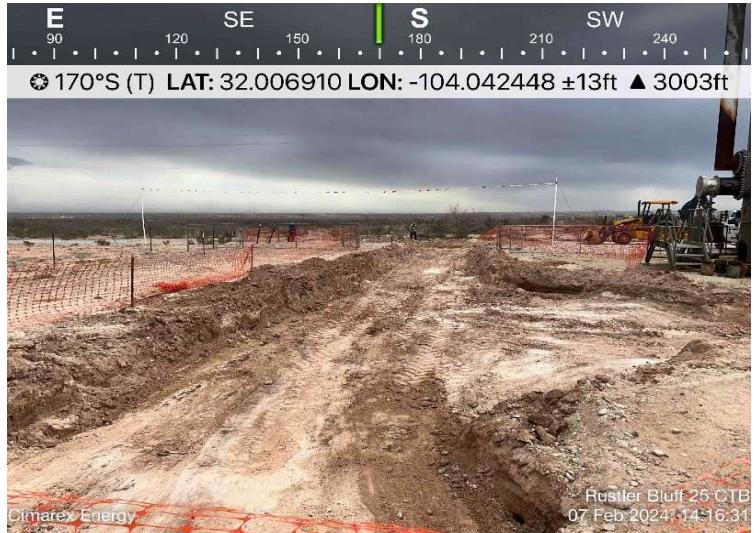
Chevron U.S.A., Inc.

Photograph No. 1**Facility:** Rustler Bluff 25 CTB (12.26.2023)**County:** Eddy County, New Mexico**Description:**

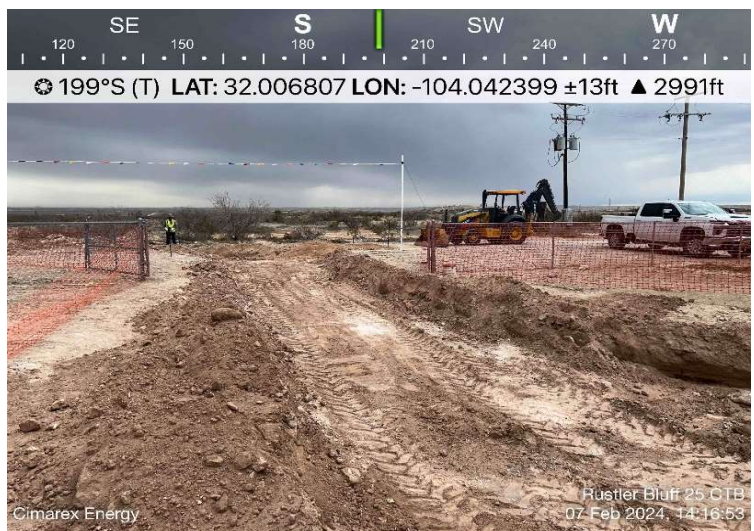
View Southeast, Area of Confirmation Sample (CS-1 and CS-2).

**Photograph No. 2****Facility:** Rustler Bluff 25 CTB (12.26.2023)**County:** Eddy County, New Mexico**Description:**

View South, Area of Confirmation Sample (CS-3 and CS-13).

**Photograph No. 3****Facility:** Rustler Bluff 25 CTB (12.26.2023)**County:** Eddy County, New Mexico**Description:**

View South, Area of Confirmation Sample (CS-9 and CS-13).



PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 4**Facility:** Rustler Bluff 25 CTB (12.26.2023)**County:** Eddy County, New Mexico**Description:**

View South, Area of Confirmation Sample (CS-14 and CS-16).

**Photograph No. 5****Facility:** Rustler Bluff 25 CTB (12.26.2023)**County:** Eddy County, New Mexico**Description:**

View North, Area of Confirmation Sample (CS-14 and CS-16).



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 297814

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 297814
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Rustler Bluff 25 Central Tank Battery
Date Release Discovered	12/26/2023
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Separator Crude Oil Released: 8 BBL Recovered: 4 BBL Lost: 4 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Separator Produced Water Released: 31 BBL Recovered: 3 BBL Lost: 28 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.

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

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

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

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

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

QUESTIONS, Page 2

Action 297814

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 297814
	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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

ACKNOWLEDGMENTS

Action 297814

ACKNOWLEDGMENTS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 297814
	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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CONDITIONS

Action 297814

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 297814
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
klincoln	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	12/27/2023

Area	Shape	Length (ft)	Width (ft)	Standing Depth (ft)	Soil Penetration (ft)	Standing Volume	In-Soil Volume	Total Volume
1	Rectangle	68.0	28.0	0.0052	0.4189	1.76	21.31	23.07
2	Rectangle	28.0	22.0	0.0052	0.4265	0.57	7.02	7.59
3	Rectangle	14.0	12.0	0.0052	0.2600	0.16	1.17	1.32
4	Rectangle	16.0	7.0	0.1040	0.2600	2.07	0.78	2.85
5	Rectangle	46.0	6.0	0.0052	0.2700	0.26	1.99	2.25
6								
7								
8	Circle	6.0		0.3333	0.2500	1.68	0.19	1.87
9								
10								
						Total Volume (bbl)		38.95

Conversion Table	
Inches	Feet
1 inch	0.0833
2 inches	0.1667
3 inches	0.2500
4 inches	0.3333
5 inches	0.4167
6 inches	0.5000
7 inches	0.5833
8 inches	0.6667
9 inches	0.7500
10 inches	0.8333
11 inches	0.9167
1/256 inch	0.0003
1/128 inch	0.0007
1/64 inch	0.0013
1/32 inch	0.0026
1/16 inch	0.0052
1/8 inch	0.0104
1/4 inch	0.0208
3/8 inch	0.0313
1/2 inch	0.0417
5/8 inch	0.0521
3/4 inch	0.0625
7/8 inch	0.0729

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QUESTIONS

Action 298497

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 298497
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2336146606
Incident Name	NAPP2336146606 RUSTLER BLUFF 25 CENTRAL TANK BATTERY @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Received
Incident Facility	[fAPP2131327599] Rustler Bluff 25 Central Tank Battery

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Rustler Bluff 25 Central Tank Battery
Date Release Discovered	12/26/2023
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Separator Crude Oil Released: 8 BBL Recovered: 4 BBL Lost: 4 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Separator Produced Water Released: 31 BBL Recovered: 3 BBL Lost: 28 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 298497

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 298497
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Kennedy Lincoln Title: Environmental Specialist Email: kennedy.lincoln@chevron.com Date: 12/29/2023
--	--

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QUESTIONS, Page 3

Action 298497

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 298497
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
<i>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.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
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	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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CONDITIONS

Action 298497

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 298497
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	1/3/2024

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QUESTIONS

Action 310313

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 310313
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2336146606
Incident Name	NAPP2336146606 RUSTLER BLUFF 25 CENTRAL TANK BATTERY @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2131327599] Rustler Bluff 25 Central Tank Battery

Location of Release Source	
Site Name	Rustler Bluff 25 Central Tank Battery
Date Release Discovered	12/26/2023
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	3,400
What is the estimated number of samples that will be gathered	17
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/05/2024
Time sampling will commence	03:00 PM
Please provide any information necessary for observers to contact samplers	Gilbert Priego (432-813-7389)
Please provide any information necessary for navigation to sampling site	• Sampling Location: 32.00719, -104.042686

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CONDITIONS

Action 310313

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 310313
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
abarnhill	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.	2/1/2024

APPENDIX D

CARMONA RESOURCES

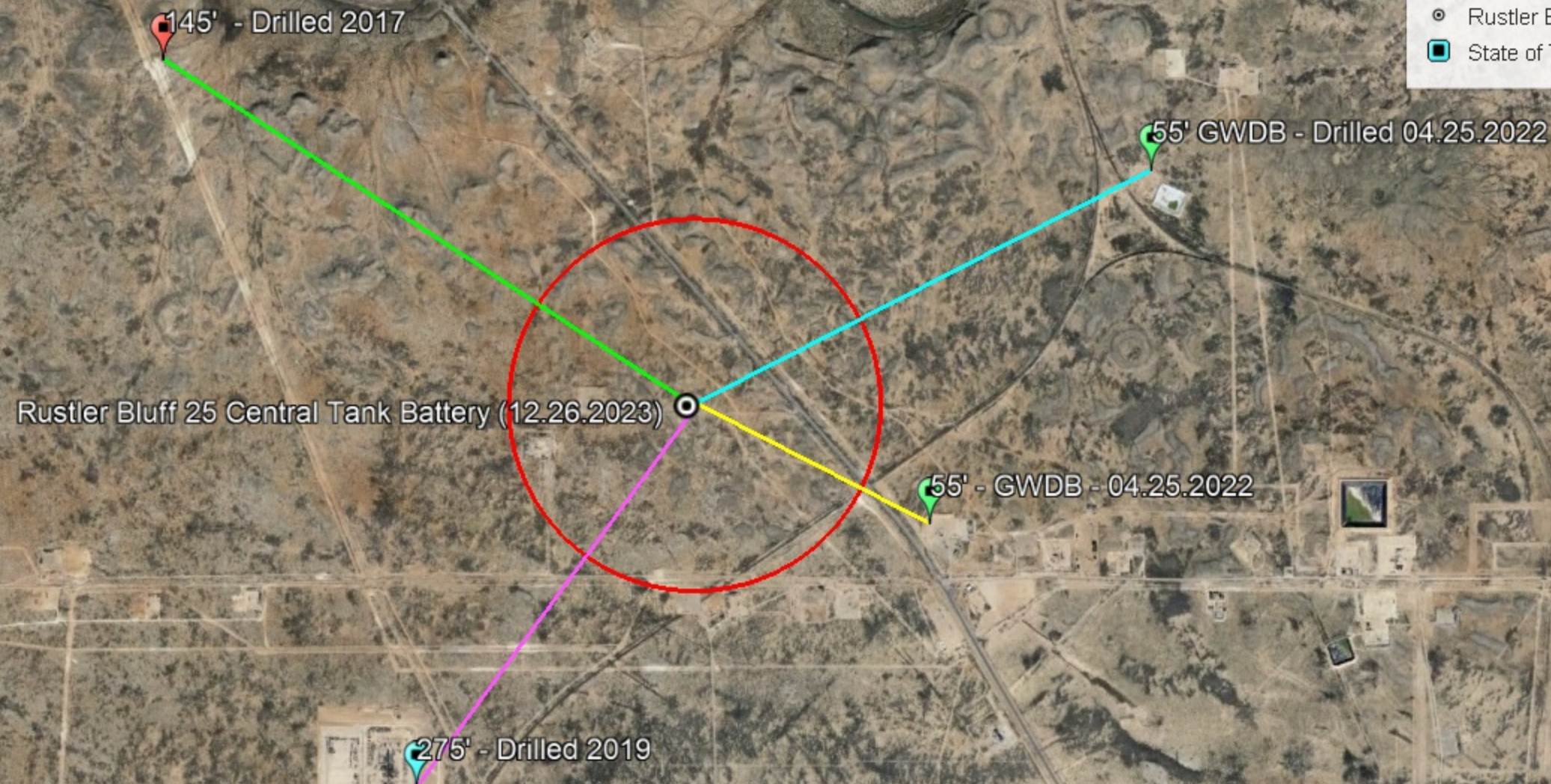


Nearest water well

Chevron U.S.A., Inc.

Legend

- 0.50 Mile Radius
- 0.69 Miles
- 1.27 Miles
- 1.38 Miles
- 1.71 Miles
- Groundwater Determination Bore
- NMSEO Water Well
- Rustler Bluff 25 Central Tank Battery (12.26.2023)
- State of Texas Water Well



Medium Karst

Chevron U.S.A., Inc.

Legend

- High
- Medium
- Rustler Bluff 25 Central Tank Battery (12.26.2023)

Rustler Bluff 25 Central Tank Battery (12.26.2023)



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 04022 POD2	CUB	ED		2	2	2	27	26S	28E	588106	3543082	2732	250	145	105

Average Depth to Water: **145 feet**

Minimum Depth: **145 feet**

Maximum Depth: **145 feet**

Record Count: 1

UTM NAD83 Radius Search (in meters):

Easting (X): 590408

Northing (Y): 3541609

Radius: 4000

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.

1/10/24 7:26 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

CARMONA RESOURCES



Project Name : **COG - Copperhead Fee 31E CTB (01.14.22)**
 Project No. : **1002**
 Location : **Eddy County, New Mexico**
 Coordinates : **32.002359, -104.031693**
 Elevation : **2,930'**

Date : **Monday, May 9, 2022**
 Sampler : **Lane Scarborough**
 Driller : **Scarborough Drilling**
 Method : **Air Rotary**

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Red to Brown sandy clay, with 50% medium well-cemented angular gravel, dry, no organics, no odor (GC)		50		(50') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub-angular sand, dry, no organics (ML)	
5		(5') - Red to Brown sandy clay, with 50% medium well-cemented angular gravel, dry, no organics, no odor (GC)		55		(55') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub-angular sand, dry, no organics (ML)	
10		(10') - Red to Brown sandy clay, with 50% medium well-cemented angular gravel, dry, no organics, no odor (GC)		60			
12		(12') - Red to Brown sandy clay, with 50% well-cemented gypsum fragments, dry, no organics, no odor (SC)		65			
15		(15') - Red to Brown sandy clay, with 50% well-cemented gypsum fragments, dry, no organics, no odor (SC)		70			
20		(20') - Red to Brown sandy clay, with 50% well-cemented gypsum fragments, dry, no organics, no odor (SC)		75			
25		(25') - Red to Brown sandy clay, with 50% well-cemented gypsum fragments, dry, no organics, no odor (SC)		80			
30		(30') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub-angular sand, dry, no organics (ML)		85			
35		(35') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub-angular sand, dry, no organics (ML)		90			
40		(40') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub-angular sand, dry, no organics (ML)		95			
45		(45') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub-angular sand, dry, no organics (ML)		105			
50							

Comments : Boring terminated at 55' at 10:00 AM Central Time with no presence of groundwater or moisture.

Well gauged on 5/13/22 at 11:00 AM Central Time with no detection of groundwater or moisture



Project Name :	COG - Copperhead Fee A 3H (02.08.22)	Date :	Monday, April 25, 2022
Project No. :	1023	Sampler :	Lane Scarborough
Location :	Eddy County, New Mexico	Driller :	Scarborough Drilling
Coordinates :	32.016146, -104.021411	Method :	Air Rotary
Elevation :	2,935'		

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Light Brown soft clayey sand, with 20% medium loose sub angular sand, dry, some organics (SC)		50		(50') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub angular sand, dry, no organics (ML)	
5		(5') - Light Brown soft clayey sand, with 20% medium loose sub angular sand, dry, some organics (SC)		55		(55') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub angular sand, dry, no organics (ML)	
10		(10') - Light brown, stiff soft clayey sand, with 3% fine loose sub angular sand, dry, no organics (SC)		60			
15		(15') - Light brown, stiff soft clayey sand, with 3% fine loose sub angular sand, dry, no organics (SC)		65			
20		(20') - Light brown, stiff soft clayey sand, with 3% fine loose sub angular sand, dry, no organics (SC)		70			
25		(25') - Light brown, stiff soft clayey sand, with 3% fine loose sub angular sand, dry, no organics (SC)		75			
30		(30') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub angular sand, dry, no organics (ML)		80			
35		(35') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub angular sand, dry, no organics (ML)		85			
40		(40') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub angular sand, dry, no organics (ML)		90			
45		(45') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub angular sand, dry, no organics (ML)		95			
50				105			

Comments : Boring terminated at 55' at 10:00 AM Central Time with no presence of groundwater or moisture.

Well gauged on 4/29/22 at 11:00 AM Central Time with no detection of groundwater or moisture

STATE OF TEXAS WELL REPORT for Tracking #524742			
Owner:	ENLINK MIDSTREAM OPERATING	Owner Well #:	TIGER PLANT # 1
Address:	1722 ROUTH ST SUITE 1300 DALLAS, TX 75201	Grid #:	47-08-2
Well Location:	HWY 285 STATE LINE ON HWY 285, TX	Latitude:	31° 59' 31.13" N
Well County:	Culberson	Longitude:	104° 03' 19.2" W
		Elevation:	2986 ft. above sea level
Type of Work: New Well		Proposed Use: Industrial	

Drilling Start Date: 10/8/2019 Drilling End Date: 10/14/2019

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	17.5	0	9
	12.25	9	398

Drilling Method: Mud (Hydraulic) Rotary

Borehole Completion: GRAVEL PACKED FROM 398- 10' WITH GRAD 5

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	0	9	QUICKCRETE 14 Bags/Sacks
	0	10	QUICKCRETE 12 Bags/Sacks

Seal Method: Poured Distance to Property Line (ft.): OVER 150'

Sealed By: Driller Distance to Septic Field or other concentrated contamination (ft.): No Data

Distance to Septic Tank (ft.): No Data

Method of Verification: MEASURED

Surface Completion: Surface Sleeve Installed Surface Completion by Driller

Water Level: No Data

Packers: No Data

Type of Pump: No Data

Well Tests: No Test Data Specified

Water Quality:	Strata Depth (ft.)	Water Type
	275 - 398	FRESH WATER

Chemical Analysis Made: **No**Did the driller knowingly penetrate any strata which
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **West Texas Water Well Service**
3410 Mankins Ave
Odessa, TX 79764

Driller Name: **RORY B ROACH** License Number: **54815**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	10	CALICHE
10	85	SAND-TAN
85	290	GRAY SHALE & SAND
290	380	RED SAND- SMALL GRAVEL
380	390	TAN SAND- SMALL GRAVEL
390	398	HAND GRAY SHALE TD

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
13.38	Unknown	New Steel		0	9
8	Blank	New Plastic (PVC)		0	198
8	MILLSLOT	New Plastic (PVC)		198	398

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.


Please include the report's Tracking Number on your written request.

Texas Department of Licensing and Regulation
P.O. Box 12157
Austin, TX 78711
(512) 334-5540



New Mexico Office of the State Engineer

Point of Diversion Summary

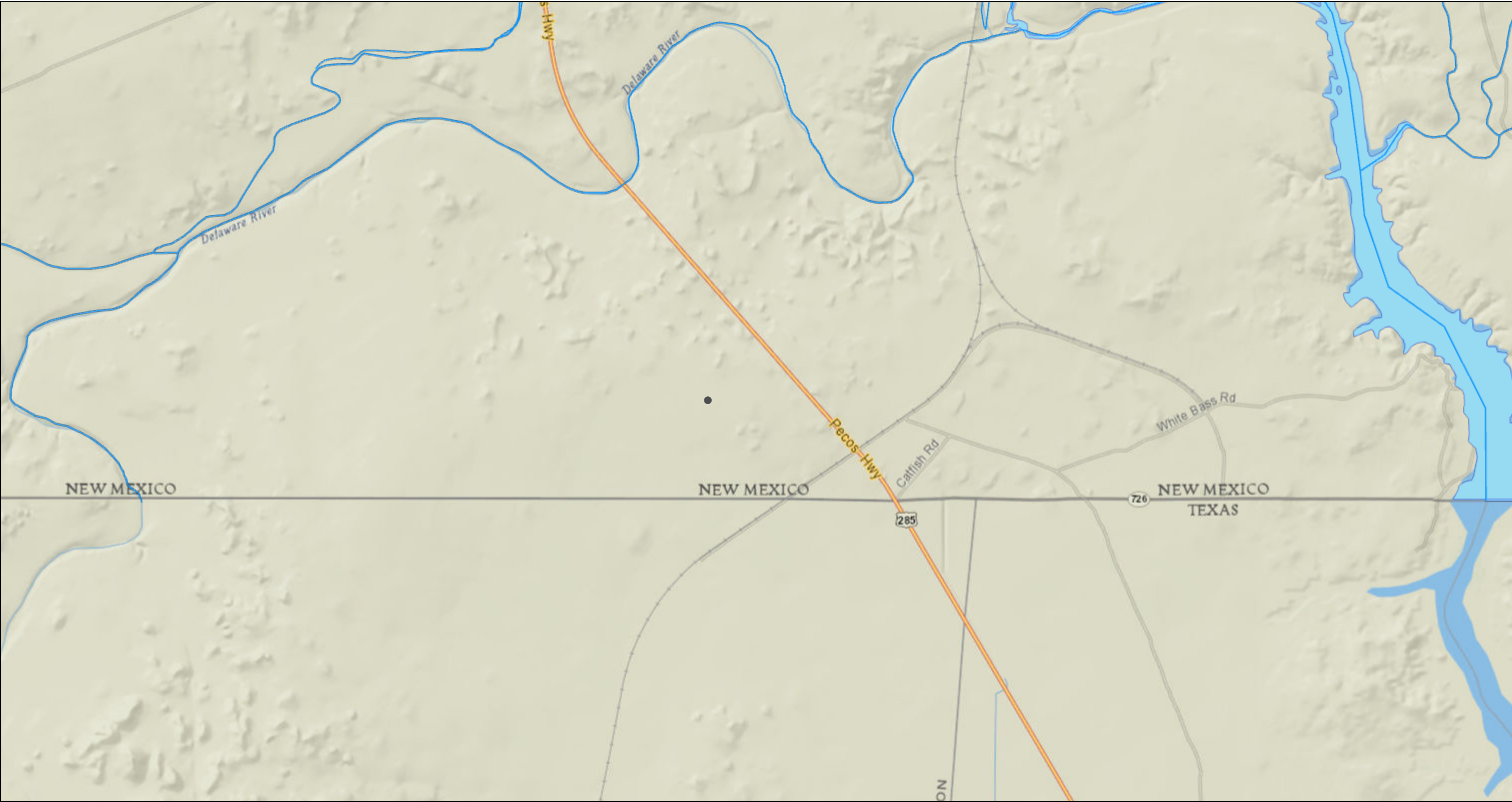
		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 04022 POD2	2	2	2	27	26S	28E	588106	3543082 
<hr/>									
Driller License:	1184	Driller Company:		WEST TEXAS WATER WELL SERVICE					
Driller Name:	KEITH, RONNY								
Drill Start Date:	05/08/2017	Drill Finish Date:		05/12/2017		Plug Date:			
Log File Date:	06/05/2017	PCW Rcv Date:				Source:		Shallow	
Pump Type:		Pipe Discharge Size:				Estimated Yield:		60 GPM	
Casing Size:	12.25	Depth Well:		250 feet		Depth Water:		145 feet	
<hr/>									
Water Bearing Stratifications:		Top	Bottom	Description					
		150	160	Sandstone/Gravel/Conglomerate					
		160	180	Sandstone/Gravel/Conglomerate					
		180	190	Sandstone/Gravel/Conglomerate					
<hr/>									
Casing Perforations:		Top	Bottom						
		130	250						
<hr/>									

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.

1/10/24 7:27 AM

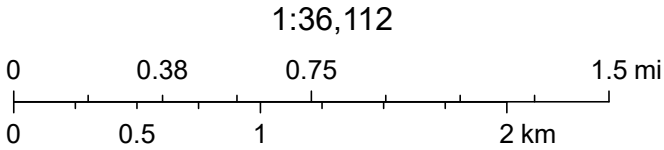
POINT OF DIVERSION SUMMARY

Rustler Bluff 25 Central Tank Battery



1/12/2024, 7:28:49 AM

- OSW Water Bodys
- OSE Streams



National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp., NM OSE



APPENDIX E

CARMONA RESOURCES





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

January 24, 2024

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: RUSTLER BLUFF 25 TB (12.23.2023)

Enclosed are the results of analyses for samples received by the laboratory on 01/19/24 14:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/19/2024
 Reported: 01/24/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: T - 1 (0-1.0') (H240256-01)

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	01/22/2024	ND	2.19	110	2.00	1.39	
Toluene*	<0.050	0.050	01/22/2024	ND	2.20	110	2.00	1.68	
Ethylbenzene*	<0.050	0.050	01/22/2024	ND	2.19	109	2.00	2.12	
Total Xylenes*	<0.150	0.150	01/22/2024	ND	6.63	110	6.00	1.73	
Total BTEX	<0.300	0.300	01/22/2024	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	416	16.0	01/22/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.2	10.0	01/22/2024	ND	197	98.3	200	0.133	
DRO >C10-C28*	194	10.0	01/22/2024	ND	187	93.4	200	0.0498	
EXT DRO >C28-C36	32.8	10.0	01/22/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/19/2024
 Reported: 01/24/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: T - 1 (1.5') (H240256-02)

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	01/22/2024	ND	2.19	110	2.00	1.39		
Toluene*	<0.050	0.050	01/22/2024	ND	2.20	110	2.00	1.68		
Ethylbenzene*	<0.050	0.050	01/22/2024	ND	2.19	109	2.00	2.12		
Total Xylenes*	<0.150	0.150	01/22/2024	ND	6.63	110	6.00	1.73		
Total BTEX	<0.300	0.300	01/22/2024	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	80.0	16.0	01/22/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2024	ND	197	98.3	200	0.133	
DRO >C10-C28*	<10.0	10.0	01/22/2024	ND	187	93.4	200	0.0498	
EXT DRO >C28-C36	<10.0	10.0	01/22/2024	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/19/2024
 Reported: 01/24/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: T - 1 (2.0') (H240256-03)

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	01/22/2024	ND	2.19	110	2.00	1.39		
Toluene*	<0.050	0.050	01/22/2024	ND	2.20	110	2.00	1.68		
Ethylbenzene*	<0.050	0.050	01/22/2024	ND	2.19	109	2.00	2.12		
Total Xylenes*	<0.150	0.150	01/22/2024	ND	6.63	110	6.00	1.73		
Total BTEX	<0.300	0.300	01/22/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/22/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2024	ND	197	98.3	200	0.133	
DRO >C10-C28*	<10.0	10.0	01/22/2024	ND	187	93.4	200	0.0498	
EXT DRO >C28-C36	<10.0	10.0	01/22/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/19/2024
 Reported: 01/24/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: T - 1 (3.0') (H240256-04)

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	01/22/2024	ND	2.19	110	2.00	1.39		
Toluene*	<0.050	0.050	01/22/2024	ND	2.20	110	2.00	1.68		
Ethylbenzene*	<0.050	0.050	01/22/2024	ND	2.19	109	2.00	2.12		
Total Xylenes*	<0.150	0.150	01/22/2024	ND	6.63	110	6.00	1.73		
Total BTEX	<0.300	0.300	01/22/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/22/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2024	ND	197	98.3	200	0.133	
DRO >C10-C28*	<10.0	10.0	01/22/2024	ND	187	93.4	200	0.0498	
EXT DRO >C28-C36	<10.0	10.0	01/22/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/19/2024
 Reported: 01/24/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: T - 2 (0-1.0') (H240256-05)

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	01/22/2024	ND	2.19	110	2.00	1.39		
Toluene*	<0.050	0.050	01/22/2024	ND	2.20	110	2.00	1.68		
Ethylbenzene*	<0.050	0.050	01/22/2024	ND	2.19	109	2.00	2.12		
Total Xylenes*	<0.150	0.150	01/22/2024	ND	6.63	110	6.00	1.73		
Total BTEX	<0.300	0.300	01/22/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1570	16.0	01/22/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2024	ND	197	98.3	200	0.133	
DRO >C10-C28*	<10.0	10.0	01/22/2024	ND	187	93.4	200	0.0498	
EXT DRO >C28-C36	<10.0	10.0	01/22/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/19/2024
 Reported: 01/24/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: T - 2 (1.5') (H240256-06)

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	01/22/2024	ND	2.19	110	2.00	1.39		
Toluene*	<0.050	0.050	01/22/2024	ND	2.20	110	2.00	1.68		
Ethylbenzene*	<0.050	0.050	01/22/2024	ND	2.19	109	2.00	2.12		
Total Xylenes*	<0.150	0.150	01/22/2024	ND	6.63	110	6.00	1.73		
Total BTEX	<0.300	0.300	01/22/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/22/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2024	ND	197	98.3	200	0.133	
DRO >C10-C28*	<10.0	10.0	01/22/2024	ND	187	93.4	200	0.0498	
EXT DRO >C28-C36	<10.0	10.0	01/22/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/19/2024
 Reported: 01/24/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: T - 2 (2.0') (H240256-07)

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	01/22/2024	ND	2.19	110	2.00	1.39		
Toluene*	<0.050	0.050	01/22/2024	ND	2.20	110	2.00	1.68		
Ethylbenzene*	<0.050	0.050	01/22/2024	ND	2.19	109	2.00	2.12		
Total Xylenes*	<0.150	0.150	01/22/2024	ND	6.63	110	6.00	1.73		
Total BTEX	<0.300	0.300	01/22/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/22/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2024	ND	197	98.3	200	0.133	
DRO >C10-C28*	<10.0	10.0	01/22/2024	ND	187	93.4	200	0.0498	
EXT DRO >C28-C36	<10.0	10.0	01/22/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/19/2024
 Reported: 01/24/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: T - 2 (3.0') (H240256-08)

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	01/22/2024	ND	2.19	110	2.00	1.39		
Toluene*	<0.050	0.050	01/22/2024	ND	2.20	110	2.00	1.68		
Ethylbenzene*	<0.050	0.050	01/22/2024	ND	2.19	109	2.00	2.12		
Total Xylenes*	<0.150	0.150	01/22/2024	ND	6.63	110	6.00	1.73		
Total BTEX	<0.300	0.300	01/22/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/22/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2024	ND	197	98.3	200	0.133	
DRO >C10-C28*	<10.0	10.0	01/22/2024	ND	187	93.4	200	0.0498	
EXT DRO >C28-C36	<10.0	10.0	01/22/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 112402514

Page 1 of 1

Project Manager:	Ashton Thielke	Bill to: (if different)	Amy Barnhill
Company Name:	Carmona Resources	Company Name:	Chevron
Address:	310 West Wall Ste. 500	Address:	6301 Deauville Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	Abarnhill@chevron.com & ThielkeA@Carmonaresources.com

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

Project Name:	Rustler Bluff 25 TB (12.23.2023)	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2236	Due Date:	Normal														None: NO	DI Water: H ₂ O	
Project Location:	Eddy Co, NM	TAT starts the day received by the lab, if received by 4:30pm															Cool: Cool	MeOH: Me	
Sampler's Name:	GPJ																HCL: HC	HNO ₃ : HN	
PO #:	115-01																H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:																NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:																Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments	
T-1 (0-1.0')	1/17/2024		X		G	1	X	X	X											
T-1 (1.5')	1/17/2024		X		G	1	X	X	X											
T-1 (2.0')	1/17/2024		X		G	1	X	X	X											
T-1 (3.0')	1/17/2024		X		G	1	X	X	X											
T-2 (0-1.0')	1/17/2024		X		G	1	X	X	X											
T-2 (1.5')	1/17/2024		X		G	1	X	X	X											
T-2 (2.0')	1/17/2024		X		G	1	X	X	X											
T-2 (3.0')	1/17/2024		X		G	1	X	X	X											

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		11/9/24 14:45			
3					
5					



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

January 26, 2024

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: RUSTLER BLUFF 25 TB (12.23.2023)

Enclosed are the results of analyses for samples received by the laboratory on 01/23/24 13:07.

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, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/23/2024
 Reported: 01/26/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: T - 3 (0-1.0') (H240292-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTX	<0.300	0.300	01/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	01/23/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	462	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	72.1	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/23/2024
 Reported: 01/26/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: T - 3 (1.5') (H240292-02)

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	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTEX	<0.300	0.300	01/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	272	16.0	01/23/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 49.1-148

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Analytical Results For:

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

Received: 01/23/2024
 Reported: 01/26/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: T - 3 (2.0') (H240292-03)

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	01/23/2024	ND	2.31	116	2.00	1.02		
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11		
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06		
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91		
Total BTEx	<0.300	0.300	01/23/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	01/23/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/23/2024
 Reported: 01/26/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: T - 3 (3.0') (H240292-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/23/2024	ND	2.31	116	2.00	1.02		
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11		
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06		
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91		
Total BTX	<0.300	0.300	01/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	01/23/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/23/2024
 Reported: 01/26/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: T - 4 (0-1.0') (H240292-05)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.24	112	2.00	3.36	
Toluene*	0.586	0.050	01/24/2024	ND	2.23	111	2.00	3.20	
Ethylbenzene*	1.68	0.050	01/24/2024	ND	2.23	111	2.00	3.49	
Total Xylenes*	16.4	0.150	01/24/2024	ND	6.54	109	6.00	3.78	
Total BTEX	18.7	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 246 % 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	01/23/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	428	10.0	01/24/2024	ND	194	97.1	200	1.21	
DRO >C10-C28*	3270	10.0	01/24/2024	ND	190	95.0	200	3.11	
EXT DRO >C28-C36	543	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/23/2024
 Reported: 01/26/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: T - 4 (1.5') (H240292-06)

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	01/24/2024	ND	2.24	112	2.00	3.36	
Toluene*	<0.050	0.050	01/24/2024	ND	2.23	111	2.00	3.20	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.23	111	2.00	3.49	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.54	109	6.00	3.78	
Total BTEX	<0.300	0.300	01/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/23/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	194	97.1	200	1.21	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	190	95.0	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/23/2024
 Reported: 01/26/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: T - 4 (2.0') (H240292-07)

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	01/24/2024	ND	2.24	112	2.00	3.36		
Toluene*	<0.050	0.050	01/24/2024	ND	2.23	111	2.00	3.20		
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.23	111	2.00	3.49		
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.54	109	6.00	3.78		
Total BTEx	<0.300	0.300	01/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	01/23/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	192	96.2	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	183	91.5	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/23/2024
 Reported: 01/26/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: T - 4 (3.0') (H240292-08)

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	01/24/2024	ND	2.24	112	2.00	3.36	
Toluene*	<0.050	0.050	01/24/2024	ND	2.23	111	2.00	3.20	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.23	111	2.00	3.49	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.54	109	6.00	3.78	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	192	16.0	01/23/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	192	96.2	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	183	91.5	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No:

4240292

Project Manager:	Ashton Thielke	Bill to: (if different)	Amy Barnhill
Company Name:	Carmona Resources	Company Name:	Chevron
Address:	310 West Wall Ste. 500	Address:	6301 Deauville Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	Abarnhill@chevron.com & ThielkeA@Carmonaresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Rowfields <input type="checkbox"/> RC <input type="checkbox"/> <input type="checkbox"/> perfund	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> UST/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:	Rustler Bluff 25 TB (12.23.2023)	<input checked="" type="checkbox"/> Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2236	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush														None: NO	DI Water: H ₂ O	
Project Location:	Eddy Co, NM	Due Date:	Normal													Cool: Cool	MeOH: Me		
Sampler's Name:	GPJ	TAT starts the day received by the lab, if received by 4:30pm														HCL: HC	HNO ₃ : HN		
PO #:	115-01															H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140													NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:														Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	4.3i													Zn Acetate+NaOH: Zn			
Total Containers:		Corrected Temperature:														NaOH+Ascorbic Acid: SAPC			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
T-3 (0-1.0')	1/23/2024		X		G	1	X	X	X									1	
T-3 (1.5')	1/23/2024		X		G	1	X	X	X									2	
T-3 (2.0')	1/23/2024		X		G	1	X	X	X									3	
T-3 (3.0')	1/23/2024		X		G	1	X	X	X									4	
T-4 (0-1.0')	1/23/2024		X		G	1	X	X	X									5	
T-4 (1.5')	1/23/2024		X		G	1	X	X	X									6	
T-4 (2.0')	1/23/2024		X		G	1	X	X	X									7	
T-4 (3.0')	1/23/2024		X		G	1	X	X	X									8	

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		1/23/24 1307			



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

January 26, 2024

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: RUSTLER BLUFF 25 TB (12.23.2023)

Enclosed are the results of analyses for samples received by the laboratory on 01/23/24 13:07.

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, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/23/2024
 Reported: 01/26/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 1 (0-0.5') (H240291-01)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTX	<0.300	0.300	01/23/2024	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	320	16.0	01/23/2024	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	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/23/2024
 Reported: 01/26/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 2 (0-0.5') (H240291-02)

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	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTEX	<0.300	0.300	01/23/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	01/23/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/23/2024
 Reported: 01/26/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 3 (0-0.5') (H240291-03)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTX	<0.300	0.300	01/23/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/23/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/23/2024
 Reported: 01/26/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 4 (0-0.5') (H240291-04)

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	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTEX	<0.300	0.300	01/23/2024	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	32.0	16.0	01/23/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 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
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/23/2024
 Reported: 01/26/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 5 (0-0.5') (H240291-05)

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	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTEX	<0.300	0.300	01/23/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/23/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/23/2024
 Reported: 01/26/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 6 (0-0.5') (H240291-06)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTX	<0.300	0.300	01/23/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/23/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/23/2024
 Reported: 01/26/2024
 Project Name: RUSTLER BLUFF 25 TB (12.23.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 01/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 7 (0-0.5') (H240291-07)

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	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTEX	<0.300	0.300	01/23/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/23/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	23.9	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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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A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 4340891

Page 1 of 1

Project Manager:	Ashton Thielke	Bill to: (if different)	Amy Barnhill
Company Name:	Carmona Resources	Company Name:	Chevron
Address:	310 West Wall Ste. 500	Address:	6301 Deauville Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	Abarnhill@chevron.com & ThielkeA@Carmonaresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Rowfields <input type="checkbox"/> RC <input type="checkbox"/> <input type="checkbox"/> Pertund	
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:	Rustler Bluff 25 TB (12.23.2023)	Turn Around		ANALYSIS REQUEST	PRESERVATIVE CODES														
Project Number:	2236	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush		None: NO	DI Water: H ₂ O													
Project Location:	Eddy Co. NM	Due Date:	Normal		Cool: Cool	MeOH: Me													
Sampler's Name:	GPJ	TAT starts the day received by the lab, if received by 4:30pm			HCL: HC	HNO ₃ : HN													
PO #:	115-01	Wet Ice:	Yes No		H ₂ SO ₄ : H ₂	NaOH: Na													
SAMPLE RECEIPT		Temp Blank:	Yes No	Thermometer ID:	Yes No	HOLD						PRESERVATIVE CODES							
Received In tact:	Yes No	Correction Factor:	Yes No	Temperature Reading:	4.3							H ₃ PO ₄ : HP							
Cooler Custody Seals:	Yes No	Corrected Temperature:	Yes No									NaHSO ₄ : NABIS							
Sample Custody Seals:	Yes No											Na ₂ S ₂ O ₃ : NaSO ₃							
Total Containers:												Zn Acetate+NaOH: Zn							
												NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont	Sample Comments											
H-1 (0-0.5')	1/23/2024		X	G	1	X	X												
H-2 (0-0.5')	1/23/2024		X	G	1	X	X												
H-3 (0-0.5')	1/23/2024		X	G	1	X	X												
H-4 (0-0.5')	1/23/2024		X	G	1	X	X												
H-5 (0-0.5')	1/23/2024		X	G	1	X	X												
H-6 (0-0.5')	1/23/2024		X	G	1	X	X												
H-7 (0-0.5')	1/23/2024		X	G	1	X	X												

Please send results to cmoehting@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		1-23-24 1301			



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

February 09, 2024

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: RUSTLER BLUFF 25 TB (12.26.2023)

Enclosed are the results of analyses for samples received by the laboratory on 02/08/24 12:35.

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, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Dionica Hinojos

Sample ID: CS - 1 (1.5') (H240598-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	1.93	
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	111	2.00	2.29	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.18	109	2.00	1.97	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.55	109	6.00	1.50	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/09/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	211	106	200	0.616	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	207	104	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Dionica Hinojos

Sample ID: CS - 2 (1.5') (H240598-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	1.93		
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	111	2.00	2.29		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.18	109	2.00	1.97		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.55	109	6.00	1.50		
Total BTEx	<0.300	0.300	02/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	211	106	200	0.616	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	207	104	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 75.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.8 % 49.1-148

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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Dionica Hinojos

Sample ID: CS - 3 (1.5') (H240598-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	1.93		
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	111	2.00	2.29		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.18	109	2.00	1.97		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.55	109	6.00	1.50		
Total BTEX	<0.300	0.300	02/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	211	106	200	0.616	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	207	104	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Dionica Hinojos

Sample ID: CS - 4 (1.5') (H240598-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	1.93		
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	111	2.00	2.29		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.18	109	2.00	1.97		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.55	109	6.00	1.50		
Total BTEx	<0.300	0.300	02/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	211	106	200	0.616	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	207	104	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.6 % 49.1-148

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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Dionica Hinojos

Sample ID: CS -5 (1.5') (H240598-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	1.93		
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	111	2.00	2.29		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.18	109	2.00	1.97		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.55	109	6.00	1.50		
Total BTEx	<0.300	0.300	02/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	02/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	211	106	200	0.616	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	207	104	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 71.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.5 % 49.1-148

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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Dionica Hinojos

Sample ID: CS -6 (1.5') (H240598-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	1.93		
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	111	2.00	2.29		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.18	109	2.00	1.97		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.55	109	6.00	1.50		
Total BTEX	<0.300	0.300	02/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	201	100	200	1.74	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	206	103	200	0.637	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 69.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.6 % 49.1-148

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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Dionica Hinojos

Sample ID: CS -7 (1.5') (H240598-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	1.93		
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	111	2.00	2.29		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.18	109	2.00	1.97		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.55	109	6.00	1.50		
Total BTEx	<0.300	0.300	02/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	02/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	201	100	200	1.74	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	206	103	200	0.637	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 73.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.2 % 49.1-148

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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Dionica Hinojos

Sample ID: CS -8 (1.5') (H240598-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	1.93		
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	111	2.00	2.29		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.18	109	2.00	1.97		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.55	109	6.00	1.50		
Total BTEx	<0.300	0.300	02/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	02/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	201	100	200	1.74	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	206	103	200	0.637	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 73.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.7 % 49.1-148

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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Dionica Hinojos

Sample ID: CS -9 (1.5') (H240598-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	1.93		
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	111	2.00	2.29		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.18	109	2.00	1.97		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.55	109	6.00	1.50		
Total BTEx	<0.300	0.300	02/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	02/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	201	100	200	1.74	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	206	103	200	0.637	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 71.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.3 % 49.1-148

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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Dionica Hinojos

Sample ID: CS -10 (1.5') (H240598-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	1.93		
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	111	2.00	2.29		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.18	109	2.00	1.97		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.55	109	6.00	1.50		
Total BTEx	<0.300	0.300	02/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	02/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	201	100	200	1.74	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	206	103	200	0.637	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 69.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.9 % 49.1-148

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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Dionica Hinojos

Sample ID: CS -11 (1.5') (H240598-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	1.93		
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	111	2.00	2.29		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.18	109	2.00	1.97		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.55	109	6.00	1.50		
Total BTEx	<0.300	0.300	02/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	201	100	200	1.74	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	206	103	200	0.637	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 75.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.5 % 49.1-148

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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Dionica Hinojos

Sample ID: CS -12 (1.5') (H240598-12)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	1.93	
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	111	2.00	2.29	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.18	109	2.00	1.97	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.55	109	6.00	1.50	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/09/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	201	100	200	1.74	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	206	103	200	0.637	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Dionica Hinojos

Sample ID: CS -13 (2.0') (H240598-13)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	1.93		
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	111	2.00	2.29		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.18	109	2.00	1.97		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.55	109	6.00	1.50		
Total BTEX	<0.300	0.300	02/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	201	100	200	1.74	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	206	103	200	0.637	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Dionica Hinojos

Sample ID: CS -14 (2.0') (H240598-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	1.93		
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	111	2.00	2.29		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.18	109	2.00	1.97		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.55	109	6.00	1.50		
Total BTEX	<0.300	0.300	02/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	201	100	200	1.74	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	206	103	200	0.637	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Dionica Hinojos

Sample ID: CS -15 (2.0') (H240598-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	1.93		
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	111	2.00	2.29		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.18	109	2.00	1.97		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.55	109	6.00	1.50		
Total BTEX	<0.300	0.300	02/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	201	100	200	1.74	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	206	103	200	0.637	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Dionica Hinojos

Sample ID: CS -16 (2.0') (H240598-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	1.93		
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	111	2.00	2.29		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.18	109	2.00	1.97		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.55	109	6.00	1.50		
Total BTEx	<0.300	0.300	02/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	201	100	200	1.74	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	206	103	200	0.637	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H240598

Page 1 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Amy Barnhill
Company Name:	Carmona Resources	Company Name:	Chevron
Address:	310 West Wall Ste. 500	Address:	6301 Deauville Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	Abarnhill@chevron.com & ThielkeA@Carmonaresources.com

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

Project Name:	Rustler Bluff 25 TB (12.26.2023)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes				
Project Number:	2236															None: NO	DI Water: H ₂ O		
Project Location:	Eddy Co. NM	Due Date:	24 Hour													Cool: Cool	MeOH: Me		
Sampler's Name:	AT	TAT starts the day received by the lab, if received by 4:30pm														HCL: HC	HNO ₃ : HN		
PO #:	115-01															H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											HOLD		H ₃ PO ₄ : HP	
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140													NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:														Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	-0.1°C													Zn Acetate+NaOH: Zn			
Total Containers:		Corrected Temperature:														NaOH+Ascorbic Acid: SAPC			

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH										Sample Comments		
CS-1 (1.5')	2/5/2024		X		Comp	1	X	X	X										
CS-2 (1.5')	2/5/2024		X		Comp	1	X	X	X										
CS-3 (1.5')	2/5/2024		X		Comp	1	X	X	X										
CS-4 (1.5')	2/5/2024		X		Comp	1	X	X	X										
CS-5 (1.5')	2/5/2024		X		Comp	1	X	X	X										
CS-6 (1.5')	2/5/2024		X		Comp	1	X	X	X										
CS-7 (1.5')	2/5/2024		X		Comp	1	X	X	X										
CS-8 (1.5')	2/5/2024		X		Comp	1	X	X	X										
CS-9 (1.5')	2/5/2024		X		Comp	1	X	X	X										
CS-10 (1.5')	2/5/2024		X		Comp	1	X	X	X										

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>[Signature]</u>	<u>2/8/24 1335</u>			

Chain of Custody

Work Order No: 12410598

Page 2 of 2

Page 20 of 20

Project Manager:	Ashton Thielke	Bill to: (if different)	Amy Barnhill
Company Name:	Carmona Resources	Company Name:	Chevron
Address:	310 West Wall Ste. 500	Address:	6301 Deauville Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	Abarnhill@chevron.com & ThielkeA@Carmonaresources.com

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

Project Name:	Rustler Bluff 25 TB (12.26.2023)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes				
Project Number:	2236														None: NO	DI Water: H ₂ O			
Project Location:	Eddy Co. NM	Due Date:	24 Hour												Cool: Cool	MeOH: Me			
Sampler's Name:	AT	TAT starts the day received by the lab, if received by 4:30pm													HCL: HC	HNO ₃ : HN			
PO #:	115-01														H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											H ₃ PO ₄ : HP			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:														NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:														Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:														Zn Acetate+NaOH: Zn			
Total Containers:		Corrected Temperature:														NaOH+Ascorbic Acid: SAPC			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
CS-11 (1.5')		2/5/2024		X		Comp	1	X	X	X									
CS-12 (1.5')		2/5/2024		X		Comp	1	X	X	X									
CS-13 (2.0')		2/5/2024		X		Comp	1	X	X	X									
CS-14 (2.0')		2/5/2024		X		Comp	1	X	X	X									
CS-15 (2.0')		2/5/2024		X		Comp	1	X	X	X									
CS-16 (2.0')		2/5/2024		X		Comp	1	X	X	X									
						Comp	1	X	X	X									
						Comp	1	X	X	X									
						Comp	1	X	X	X									
						Comp	1	X	X	X									
						Comp	1	X	X	X									

Please send results to cmoehting@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time



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

February 09, 2024

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: RUSTLER BLUFF 25 TB (12.26.2023)

Enclosed are the results of analyses for samples received by the laboratory on 02/08/24 12:35.

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, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 1 (1.5') (H240599-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.22	111	2.00	0.531	
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	0.559	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.17	109	2.00	0.398	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.34	106	6.00	0.593	
Total BTX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/08/2024	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	02/08/2024	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	218	109	200	20.3	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 2 (1.5') (H240599-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	2.22	111	2.00	0.531		
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	0.559		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.17	109	2.00	0.398		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.34	106	6.00	0.593		
Total BTEX	<0.300	0.300	02/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/08/2024	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	02/08/2024	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	218	109	200	20.3	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 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
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 3 (1.5') (H240599-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.22	111	2.00	0.531	
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	0.559	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.17	109	2.00	0.398	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.34	106	6.00	0.593	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/08/2024	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	02/08/2024	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	218	109	200	20.3	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 4 (1.5') (H240599-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	2.22	111	2.00	0.531		
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	0.559		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.17	109	2.00	0.398		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.34	106	6.00	0.593		
Total BTEX	<0.300	0.300	02/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/08/2024	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	02/08/2024	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	218	109	200	20.3	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 5 (1.5') (H240599-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	2.22	111	2.00	0.531		
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	0.559		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.17	109	2.00	0.398		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.34	106	6.00	0.593		
Total BTEX	<0.300	0.300	02/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/08/2024	ND	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	02/08/2024	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	218	109	200	20.3	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 6 (1.5') (H240599-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.22	111	2.00	0.531	
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	0.559	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.17	109	2.00	0.398	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.34	106	6.00	0.593	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/08/2024	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	02/08/2024	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	218	109	200	20.3	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 7 (1.5') (H240599-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	2.22	111	2.00	0.531		
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	0.559		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.17	109	2.00	0.398		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.34	106	6.00	0.593		
Total BTEX	<0.300	0.300	02/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/08/2024	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	02/08/2024	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	218	109	200	20.3	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.5 % 49.1-148

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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 8 (1.5') (H240599-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	2.22	111	2.00	0.531		
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	0.559		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.17	109	2.00	0.398		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.34	106	6.00	0.593		
Total BTEX	<0.300	0.300	02/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/08/2024	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	02/08/2024	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	218	109	200	20.3	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 49.1-148

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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 9 (1.5') (H240599-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.22	111	2.00	0.531	
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	0.559	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.17	109	2.00	0.398	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.34	106	6.00	0.593	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/08/2024	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	02/08/2024	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	218	109	200	20.3	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 10 (0.5') (H240599-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/08/2024	ND	2.22	111	2.00	0.531		
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	0.559		
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.17	109	2.00	0.398		
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.34	106	6.00	0.593		
Total BTEX	<0.300	0.300	02/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/08/2024	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	02/08/2024	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	218	109	200	20.3	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 11 (2.0') (H240599-11)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.22	111	2.00	0.531	
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	0.559	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.17	109	2.00	0.398	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.34	106	6.00	0.593	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/08/2024	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	02/08/2024	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	218	109	200	20.3	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 12 (2.0') (H240599-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.22	111	2.00	0.531	
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	0.559	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.17	109	2.00	0.398	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.34	106	6.00	0.593	
Total BTEX	<0.300	0.300	02/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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	02/08/2024	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	02/08/2024	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	218	109	200	20.3	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 13 (2.0') (H240599-13)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.22	111	2.00	0.531	
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	0.559	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.17	109	2.00	0.398	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.34	106	6.00	0.593	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	218	109	200	20.3	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/08/2024
 Reported: 02/09/2024
 Project Name: RUSTLER BLUFF 25 TB (12.26.2023)
 Project Number: 2236
 Project Location: CHEVRON - EDDY CO, NM

Sampling Date: 02/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 14 (1.5') (H240599-14)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.22	111	2.00	0.531	
Toluene*	<0.050	0.050	02/08/2024	ND	2.21	110	2.00	0.559	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.17	109	2.00	0.398	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	6.34	106	6.00	0.593	
Total BTEX	<0.300	0.300	02/08/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	218	109	200	20.3	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: HA40599

Page 1 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Any Barnhill
Company Name:	Carmona Resources	Company Name:	Chevron
Address:	310 West Wall Ste. 500	Address:	6301 Deauville Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-313-8988	Email:	Abarnhill@chevron.com & ThielkeA@Carmonaresources.com

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

Project Name:	Rustler Bluff 25 TB (12.26.2023)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Due Date:	24 Hour	ANALYSIS REQUEST										Preservative Codes		
Project Number:	2236															None: NO DI Water: H ₂ O		
Project Location:	Eddy Co. NM															Cool: Cool MeOH: Me		
Sampler's Name:	AT															HCL: HC HNO ₃ : HN		
PO #:	115-01															H ₂ SO ₄ : H ₂ NaOH: Na		
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>												H ₃ PO ₄ : HP		
Received intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140													NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Correction Factor:	-0.1°C													Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading:														Zn Acetate+NaOH: Zn		
Total Containers:		Corrected Temperature:														NaOH+Ascorbic Acid: SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
SW-1 (1.5)	2/5/2024		X		Comp	1	X	X	X									
SW-2 (1.5)	2/5/2024		X		Comp	1	X	X	X									
SW-3 (1.5)	2/5/2024		X		Comp	1	X	X	X									
SW-4 (1.5)	2/5/2024		X		Comp	1	X	X	X									
SW-5 (1.5)	2/5/2024		X		Comp	1	X	X	X									
SW-6 (1.5)	2/5/2024		X		Comp	1	X	X	X									
SW-7 (1.5)	2/5/2024		X		Comp	1	X	X	X									
SW-8 (1.5)	2/5/2024		X		Comp	1	X	X	X									
SW-9 (1.5)	2/5/2024		X		Comp	1	X	X	X									
SW-10 (0.5)	2/5/2024		X		Comp	1	X	X	X									

Please send results to cmoehring@carmonaresources.com and mcarmونا@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>Lin Ramon</u>	<u>Atkins</u>	<u>2/5/24 1235</u>			
3					
5					

Chain of Custody

Work Order No: H240599

Page 2 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Amy Barnhill
Company Name:	Carmona Resources	Company Name:	Chevron
Address:	310 West Wall Ste. 500	Address:	6301 Deauville Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	Abarnhill@chevron.com & ThielkeA@Carmonaresources.com

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

Project Name:		Rustler Bluff 25 TB (12.26.2023)		Turn Around		Pres. Code		ANALYSIS REQUEST										Preservative Codes			
Project Number:		2236		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush														None: NO		DI Water: H ₂ O	
Project Location		Eddy Co., NM		Due Date:		24 Hour												Cool: Cool		MeOH: Me	
Sampler's Name:		AT		TAT starts the day received by the lab, if received by 4:30pm														HCL: HC		HNO ₃ : HN	
PO #:		115-01																H ₂ SO ₄ : H ₂		NaOH: Na	
SAMPLE RECEIPT		Temp Blank:		Yes: <input checked="" type="checkbox"/> No: <input checked="" type="checkbox"/>		Wet Ice:		Yes: No										H ₃ PO ₄ : HP			
Received Intact:		Yes: <input checked="" type="checkbox"/> No: <input checked="" type="checkbox"/>		Thermometer ID:				140										NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes: No		N/A		Correction Factor:												Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		Yes: No		N/A		Temperature Reading:		-0.1°C										Zn Acetate+NaOH: Zn			
Total Containers:				Corrected Temperature:														NaOH+Ascorbic Acid: SAPC			

[illegible]

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com					
Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>Laura Brown</i>	<i>MA</i>	05/24 1335	2		
3			4		
5			6		

Revised Date 05/01/2020 Rev. 202

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 333233

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID:
	4323
	Action Number:
	333233
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2336146606
Incident Name	NAPP2336146606 RUSTLER BLUFF 25 CENTRAL TANK BATTERY @ 0
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2131327599] Rustler Bluff 25 Central Tank Battery

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Rustler Bluff 25 Central Tank Battery
Date Release Discovered	12/26/2023
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Separator Crude Oil Released: 8 BBL Recovered: 4 BBL Lost: 4 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Separator Produced Water Released: 31 BBL Recovered: 3 BBL Lost: 28 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.

District I

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Phone:(575) 748-1283 Fax:(575) 748-9720

District III

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

District IV

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

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

QUESTIONS, Page 2

Action 333233

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID:	4323
	Action Number:	333233
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 04/15/2024
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QUESTIONS, Page 3

Action 333233

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID:	4323
	Action Number:	333233
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 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
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.	
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)	1570
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	4241
GRO+DRO	(EPA SW-846 Method 8015M)	3698
BTEX	(EPA SW-846 Method 8021B or 8260B)	18.7
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	02/05/2024
On what date will (or did) the final sampling or liner inspection occur	02/05/2024
On what date will (or was) the remediation complete(d)	02/05/2024
What is the estimated surface area (in square feet) that will be reclaimed	2885
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	2885
What is the estimated volume (in cubic yards) that will be remediated	190

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 333233

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID:	4323
	Action Number:	333233
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 04/15/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 333233

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID:
	4323
	Action Number:
	333233
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

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 333233

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID:	4323
	Action Number:	333233
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	310313
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/05/2024
What was the (estimated) number of samples that were to be gathered	17
What was the sampling surface area in square feet	3400

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

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	2885
What was the total volume (cubic yards) remediated	190
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)	"Contaminated area on the pad and lease road was remediated/excavated and replaced with clean soil. All confirmation samples were below standards set in Table 1, 19.15.29 NMAC."

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: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 04/15/2024
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QUESTIONS, Page 7

Action 333233

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 333233
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 333233

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 333233
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2336146606 RUSTLER BLUFF 25 CENTRAL TANK BATTERY, thank you. This Remediation Closure Report is approved.	5/9/2024