

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Red Hills Unit 127H (06.10.2025)
Lea County, New Mexico
Unit D Sec 32 T25S R33E
32.09312°, -103.60074°

Incident ID: NAPP2516257736

Crude Oil & Produced Water Release

Point of Release: Location instability caused a gasket on the separator to fail resulting in a release onto the well pad.

Release Date: 06.10.2025

Volume Released: 5 Barrels of Crude Oil & 4 Barrels of Produced Water

Volume Recovered: 5 Barrels of Crude Oil & 4 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Cimarex Energy Co. of Colorado
6001 Deauville Blvd.
Suite 300N
Midland, Texas 79706

Prepared by:
Carmona Resources, LLC
310 West Wall Street
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June 18, 2025

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

Re: Closure Report
Red Hills Unit 127H (06.10.2025)
Incident ID: NRM2024760291 & NCH1903249514
Cimarex Energy Co. of Colorado
Site Location: Unit D, S32, T25S, R33E
(Lat 32.09312°, Long -103.60074°)
Lea County, New Mexico

To whom it may concern:

On behalf of Cimarex Energy Co. of Colorado (Cimarex), Carmona Resources, LLC has prepared this letter to document remediation activities for the Red Hills Unit 127H release. The site is located at 32.09312°, -103.60074° within Unit D, S32, T25S, R33E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on June 10, 2025. Recent rainfall onsite has caused the location to become unstable. This caused a gasket on the separator to fail resulting in a release onto the well pad. It resulted in approximately five (5) barrels of crude oil and four (4) barrels of produced water being released, with approximately five (5) barrels of crude oil and four (4) barrels of produced water recovered. The release remained entirely on the well pad. The spill boundaries are 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 low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is one known water source within a 0.50-mile radius of the location. The nearest water well is located approximately 0.31 miles Southwest of the site within S31, T25S, R33E and the last reported depth to water was measured in 2013 at a depth of 232.96 feet below the ground surface (ft bgs). 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 and remediating the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 20,000 mg/kg.



4.0 Remediation Activities

In an emergency effort to restore the washed out area under the Separator containment, all equipment, piping, and lined containment were removed from the affected area, shown in Figure 3, to remove all contamination and bring in clean material to stabilize the area for all equipment to return onsite and oilfield operations to continue.

On June 13, 2025, 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 June 11, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The entire area was excavated to a depth ranging from 5.0' to 6.0' bgs. A total of twenty (20) confirmation floor samples were collected (CS-1 through CS-20), and fifteen (15) sidewall samples (SW-1 through SW-15) 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 3.

All final confirmation samples were below the regulatory requirements for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1.

Before the excavation was backfilled, a composite sample of the backfill material was collected on June 16, 2025, to ensure the material was clean per NMOCD standards. The backfill material was sourced from a nearby pit located at 32.068865°, -103.566363°. Refer to Table 1. Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 3,825 square feet of contamination was remediated, resulting in 760 cubic yards of material excavated and transported offsite for proper disposal.

5.0 Conclusions

Based on the remediation results and the analytical data, no further actions are required at the site. Cimarex formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-8988.

Sincerely,

Carmona Resources, LLC

Ashton Thielke
Environmental Manager

Gilbert Priego
Project Manager

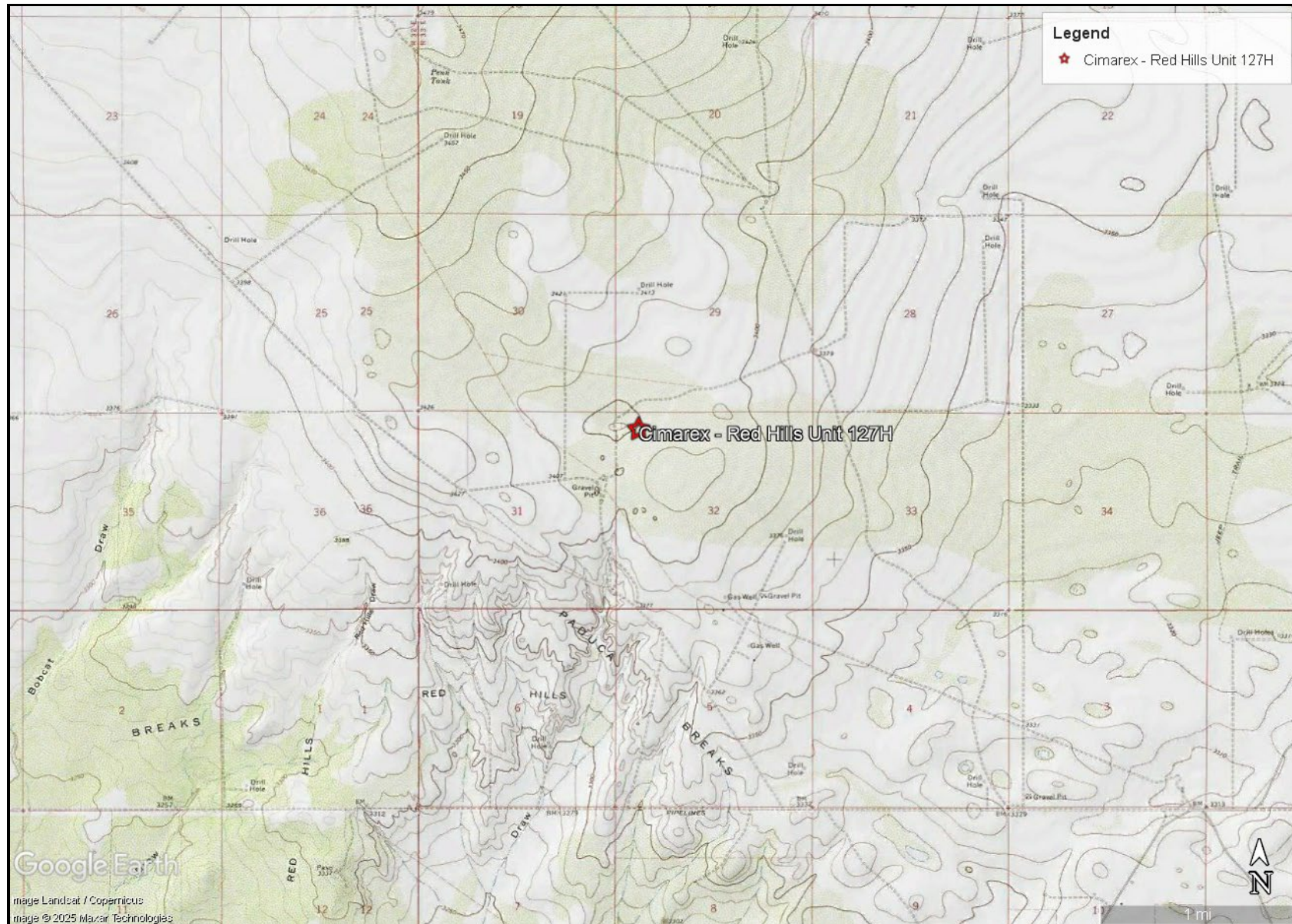
FIGURES

CARMONA RESOURCES





<p>OVERVIEW MAP CIMAREX ENERGY CO. OF COLORADO RED HILLS UNIT 127H (06.10.2025) LEA COUNTY, NEW MEXICO 32.09312°, -103.60074°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 1</p>
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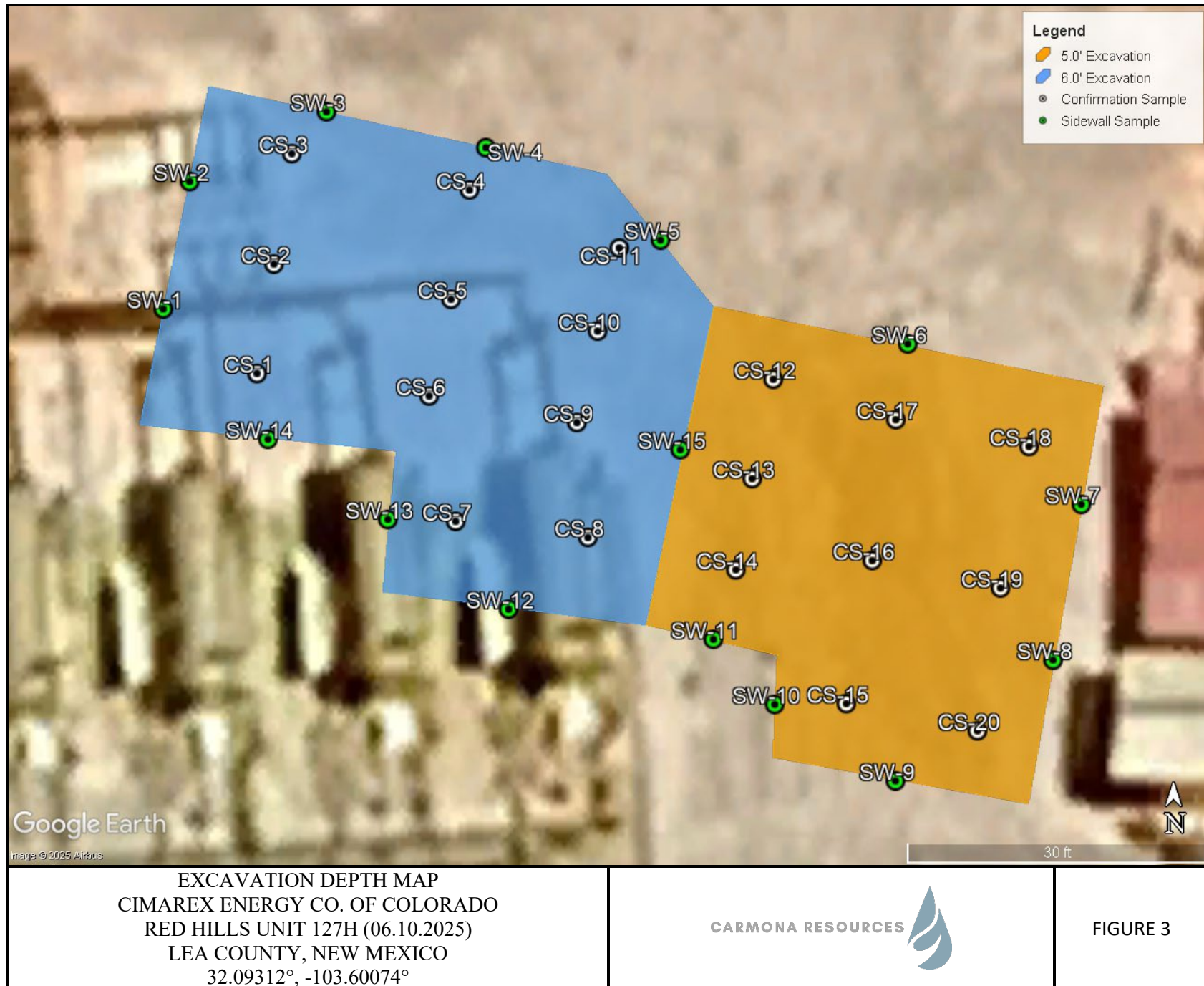


TOPOGRAPHIC MAP
 CIMAREX ENERGY CO. OF COLORADO
 RED HILLS UNIT 127H (06.10.2025)
 LEA COUNTY, NEW MEXICO
 32.09312°, -103.60074°

CARMONA RESOURCES



FIGURE 2



APPENDIX A

CARMONA RESOURCES



Table 1
Cimarex Energy Co.
Red Hills Unit #127H (06.10.2025)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	6/13/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-2	6/13/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-3	6/13/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-4	6/13/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-5	6/13/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-6	6/13/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-7	6/13/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-8	6/13/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-9	6/13/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-10	6/13/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-11	6/13/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-12	6/13/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-13	6/13/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-14	6/13/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-15	6/13/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-16	6/13/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-17	6/13/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-18	6/13/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-19	6/13/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-20	6/13/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

CS - Confirmation Sample

Table 1
Cimarex Energy Co.
Red Hills Unit #127H (06.10.2025)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	6/13/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-2	6/13/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-3	6/13/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-4	6/13/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-5	6/13/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-6	6/13/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-7	6/13/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-8	6/13/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-9	6/13/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-10	6/13/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-11	6/13/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-12	6/13/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-13	6/13/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-14	6/13/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-15	6/13/2025	5.0'-6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
Backfill	6/16/2025	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Regulatory Criteria^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

SW- Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Cimarex Energy Co. of Colorado

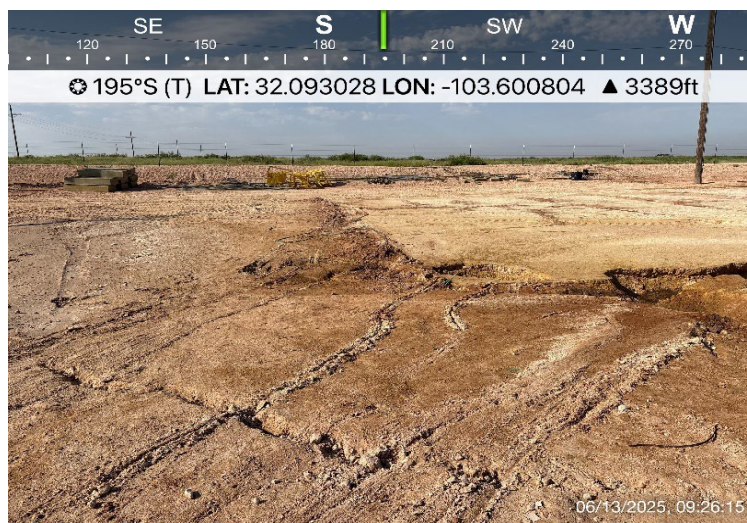
Photograph No. 1

Facility: Red Hills Unit 127H (06.10.2025)

County: Lea County, New Mexico

Description:

View South, release area with equipment removed.



Photograph No. 2

Facility: Red Hills Unit 127H (06.10.2025)

County: Lea County, New Mexico

Description:

View Southwest, release area with equipment removed.



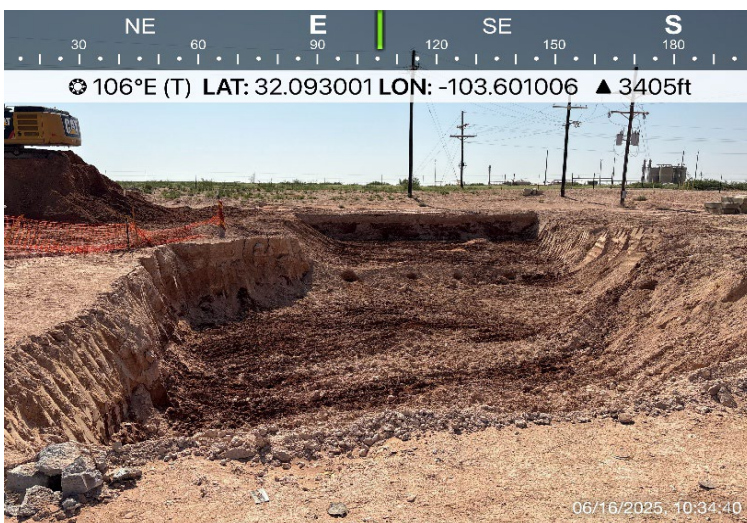
Photograph No. 3

Facility: Red Hills Unit 127H (06.10.2025)

County: Lea County, New Mexico

Description:

View East, area of S-1 through S-20.



PHOTOGRAPHIC LOG

Cimarex Energy Co. of Colorado

Photograph No. 4

Facility: Red Hills Unit 127H (06.10.2025)

County: Lea County, New Mexico

Description:

View West, area of S-1 through S-20.



Photograph No. 5

Facility: Red Hills Unit 127H (06.10.2025)

County: Lea County, New Mexico

Description:

View Southwest, area of CS-1 through CS-11.



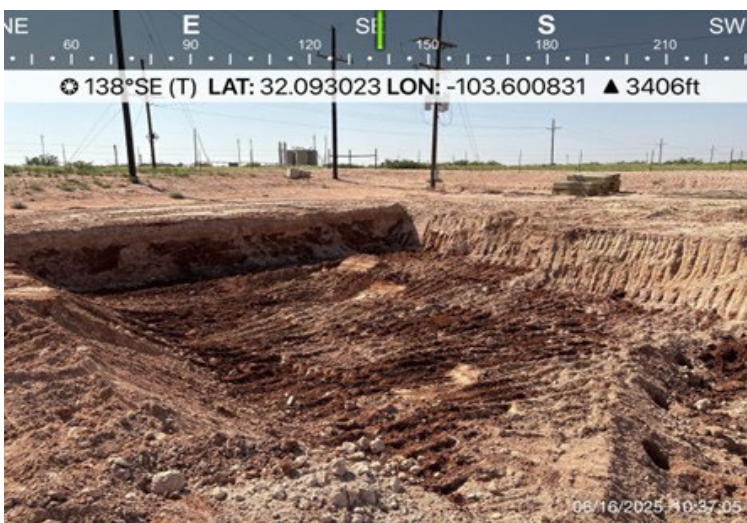
Photograph No. 6

Facility: Red Hills Unit 127H (06.10.2025)

County: Lea County, New Mexico

Description:

View Southeast, area of CS-12 through CS-20.



APPENDIX C

CARMONA RESOURCES



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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 473441

QUESTIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 473441
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	RED HILLS UNIT 127H
Date Release Discovered	06/10/2025
Surface Owner	State

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: Other Separator Crude Oil Released: 5 BBL Recovered: 5 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Other Separator Produced Water Released: 4 BBL Recovered: 4 BBL Lost: 0 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)	We had a reportable release at the Red Hills 32-5 Federal Com 127H well pad due to rain eroding away material under the separator containment, resulting in a gasket on the inlet to fail and release fluid. This incident resulted in a release of 5 barrels of oil and 4 barrels of water onto the well pad. In the coming weeks, we will evaluate the affected soils and implement the necessary remediation measures.

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

QUESTIONS, Page 2

Action 473441

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 473441
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

Initial Response

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

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

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

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

ACKNOWLEDGMENTS

Action 473441

ACKNOWLEDGMENTS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 473441
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

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

CONDITIONS

Action 473441

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 473441
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
lluig	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	6/11/2025

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

QUESTIONS

Action 473460

QUESTIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 473460
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2516257736
Incident Name	NAPP2516257736 RED HILLS UNIT 127H @ 30-025-45502
Incident Type	Oil Release
Incident Status	Notification Accepted
Incident Well	[30-025-45502] RED HILLS UNIT #127H

Location of Release Source	
Site Name	RED HILLS UNIT 127H
Date Release Discovered	06/10/2025
Surface Owner	State

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	1,100
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/13/2025
Time sampling will commence	12:00 PM
Please provide any information necessary for observers to contact samplers	Carmona Resources - 432-813-8988
Please provide any information necessary for navigation to sampling site	32.09312,-103.60074 To ensure that contamination was fully removed from under the containment of the Red Hills Fed Com 127H separator (and to repair eroded away material from recent rains), surface utilities, equipment and the lined containment are being removed on 06.12.2025. Following that action, soil will be excavated to a depth of 2'+ (or until composite confirmation samples are satisfactory of Table 1 19.15.29.12 (groundwater >100')). Composite confirmation sidewall and floor samples will be collected on 06.13.2025 and immediately rushed to the laboratory for analysis. Upon receiving satisfactory lab results, the entire area will be backfilled with clean material.

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

CONDITIONS

Action 473460

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 473460
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
athielke	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.	6/11/2025
athielke	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	6/11/2025

APPENDIX D

CARMONA RESOURCES

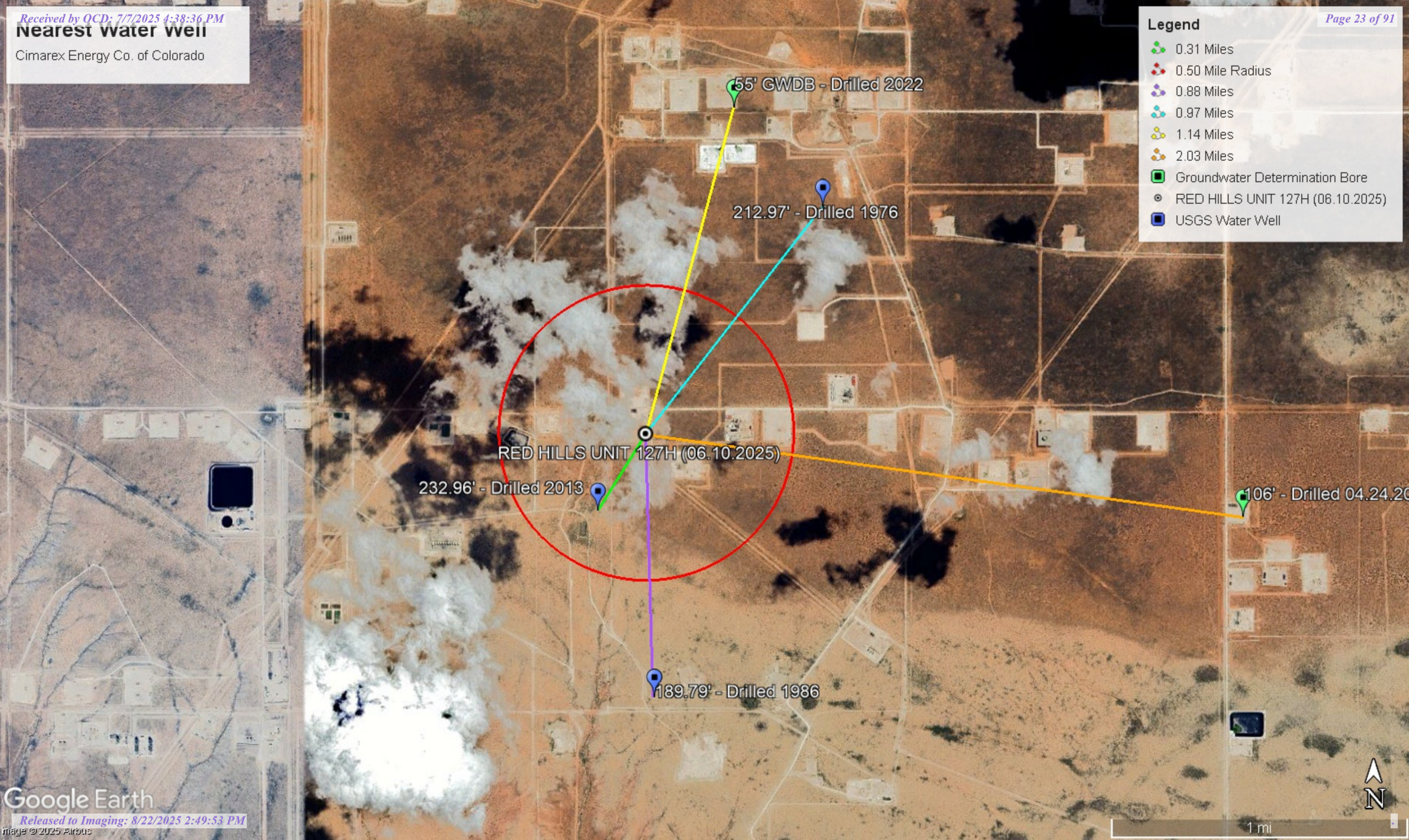


Nearest water well

Cimarex Energy Co. of Colorado

Legend

- 0.31 Miles
- 0.50 Mile Radius
- 0.88 Miles
- 0.97 Miles
- 1.14 Miles
- 2.03 Miles
- Groundwater Determination Bore
- RED HILLS UNIT 127H (06.10.2025)
- USGS Water Well



Low Karst

Cimarex Energy Co. of Colorado

Legend

- Low
- Medium
- RED HILLS UNIT 127H (06.10.2025)

RED HILLS UNIT 127H (06.10.2025)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is closed) (quarters are smallest to largest)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance (meters)	Well Depth	Depth Water (In feet)	Water Column
C 04537 POD1		C	LE	SE	SE	SE	31	25S	33E	631846.7	3550243.2		1384	500	280	220
C 04698 POD1		CUB	LE	NE	NW	SE	27	25S	33E	635651.9	3553287.5		3981	80		

Average Depth to Water: 280 feet

Minimum Depth: 280 feet

Maximum Depth: 280 feet

Record Count: 2

UTM Filters (in meters):

Easting: 632039.59
Northing: 3551614.14
Radius: 4000

* UTM location was derived from PLSS - see Help

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



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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

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Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320504103361801

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

USGS 320504103361801 25S.33E.31.24232

Lea County, New Mexico
Latitude 32°05'21.6", Longitude 103°36'12.7" NAD83
Land-surface elevation 3,403.00 feet above NGVD29
The depth of the well is 320 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1954-07-26			D 62610		3145.45	NGVD29	1		Z	
1954-07-26			D 62611		3147.08	NAVD88	1		Z	
1954-07-26			D 72019	257.55			1		Z	
1970-12-08			D 62610		3162.86	NGVD29	P		Z	
1970-12-08			D 62611		3164.49	NAVD88	P		Z	
1970-12-08			D 72019	240.14			P		Z	
2013-01-16	19:45 UTC	m	62610		3170.04	NGVD29	1		S	USGS
2013-01-16	19:45 UTC	m	62611		3171.67	NAVD88	1		S	USGS
2013-01-16	19:45 UTC	m	72019	232.96			1		S	USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day

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

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Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2025-06-12 08:46:02 EDT

0.39 0.31 nadww02



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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

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Groundwater levels for New Mexico

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320449103360101

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

USGS 320449103360101 25S.33E.31.44424

Lea County, New Mexico
Latitude 32°04'49", Longitude 103°36'01" NAD27
Land-surface elevation 3,383 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1981-03-25			D	62610	3189.23	NGVD29	P		Z	
1981-03-25			D	62611	3190.85	NAVD88	P		Z	
1981-03-25			D	72019	192.15		P		Z	
1986-03-18			D	62610	3191.59	NGVD29	1		Z	
1986-03-18			D	62611	3193.21	NAVD88	1		Z	
1986-03-18			D	72019	189.79		1		Z	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988

Section	Code	Description
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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



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USGS Water Resources

Data Category: Groundwater Geographic Area: New Mexico GO

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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320615103352601

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

USGS 320615103352601 25S.33E.20.443331

Lea County, New Mexico
Latitude 32°06'15", Longitude 103°35'26" NAD27
Land-surface elevation 3,404 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1970-12-08		D	62610		3189.60	NGVD29	1		Z	
1970-12-08		D	62611		3191.23	NAVD88	1		Z	
1970-12-08		D	72019	212.77			1		Z	
1976-01-08		D	62610		3189.40	NGVD29	1		Z	
1976-01-08		D	62611		3191.03	NAVD88	1		Z	
1976-01-08		D	72019	212.97			1		Z	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988

Section	Code	Description
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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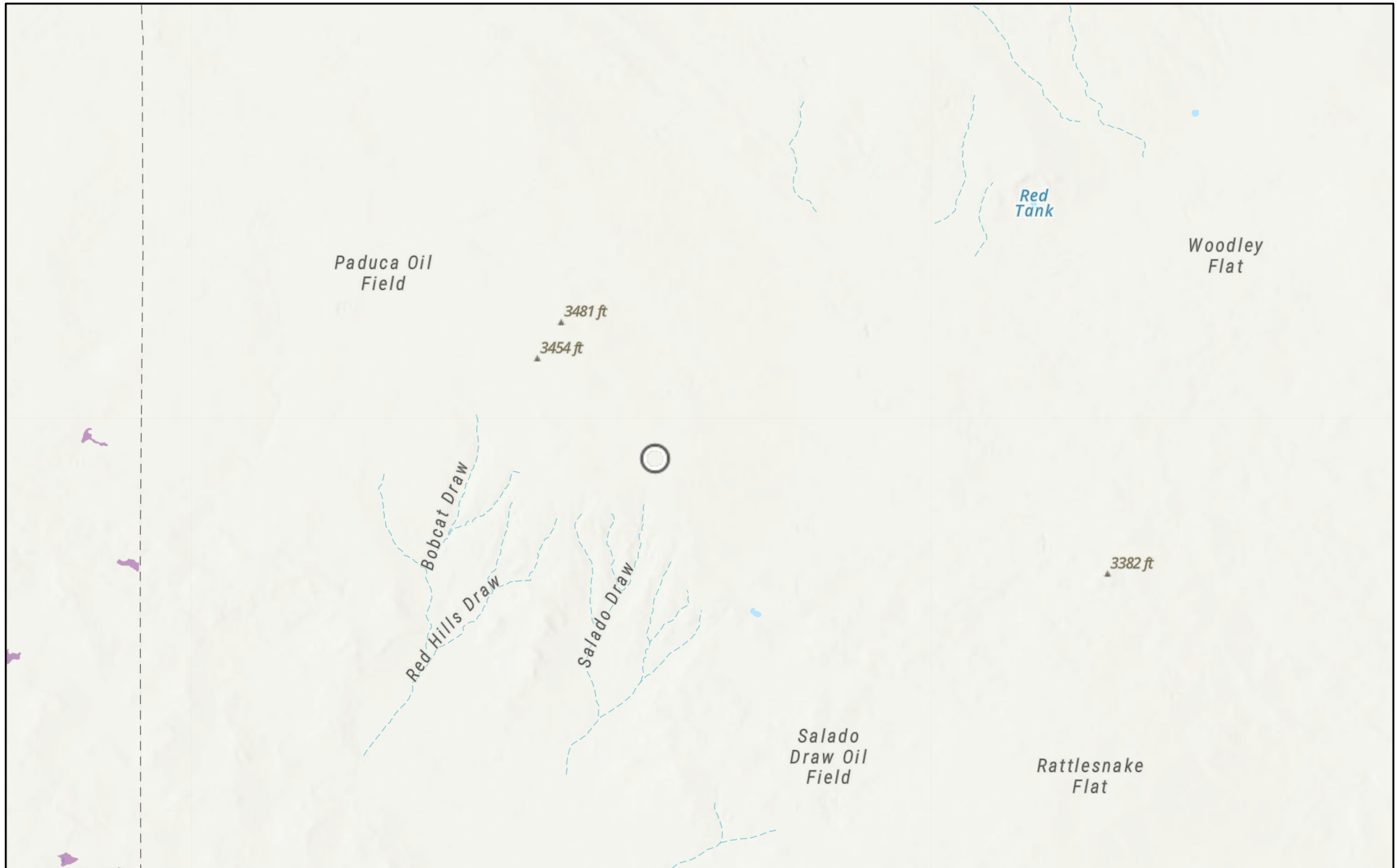
SOIL BORE LOG

Project:	Vaca Draw 20-17 Federal #012 H	Date:	September 21, 2022
Type:	Exploratory Water Bore	Location:	Vaca Draw 20-17 Fed #12H

Depth	Soil Type	Classification	Comments
0-5'	Caliche	N/A	
5-10'	Fine Red Sand	N/A	
10-15'	Fine Red Sand	N/A	
15-20'	Fine Red Sand	N/A	
20-25'	Caliche	N/A	
25-30'	Caliche	N/A	
30-35'	Caliche	N/A	
35-40'	Caliche	N/A	
40-45'	Caliche	N/A	
45-50'	Caliche	N/A	
50-55'	Caliche	N/A	
Total Depth 55'			No groundwater 9/21/2022 No groundwater 9/26/2022
			GPS: 32.10898,-103.59566

								Sample Name: C-04732		Date: 04/19/2023					
								Site Name: Rojo 18 ELL							
								Incident Number: nAPP2222753156							
								Job Number: 03C2012007							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: J.falcomata		Method: Air Rotary					
Coordinates: 32.089035, -103.566486								Hole Diameter: 5"		Total Depth: 106'					
Comments: Soil boring was advanced to a total depth of 106' bgs. No water was observed within the soil boring after at least 72 hours. On 04/24/2023 the soil boring was plugged and abandoned using hydrated bentonite chips.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions							
Dry	-	-	N	-	-	10	SP-SM	Note: Driller injected well with a water and soap mixture @ 55' to help stabilize well and prevent cave in. Due to collapse, well cased @ 102' with 2" polypipe casing. (10') SAND: fine grained - medium grained, trace amounts small gravel, poorly graded, tan, no odor, non plastic non cohesive (20') SAND: fine grained, silty, poorly graded, medium brown, no odor, non plastic, non cohesive. (30') SAND: fine - medium grained, silty, trace amount small gravel, poorly graded, light brown, no odor, non plastic, non cohesive (40') SAND: fine grained, silty, poorly graded, light to orangish brown, no odor, non plastic, non cohesive (50') SAND: fine grained, silty, poorly graded, light to orangish brown, no odor, non plastic, non cohesive (60') SAND: fine grained, silty, poorly graded, orangish brown, wet from injection, no odor, non plastic, non cohesive (70') SAND: fine grained, silty, poorly graded, medium brown, wet from injection, no odor, non plastic, non cohesive (80') SAND: fine grained, silty, poorly graded, medium brown, wet from injection, no odor, non plastic, non cohesive (90') SAND: fine grained, silty, poorly graded, orangish brown, wet from injection, no odor, non plastic, non cohesive (100') SAND: fine grained, silty, poorly graded, tan, wet from injection, no odor, non plastic, non cohesive AA							
Dry	-	-	N	-	-	20	SP-SM								
Dry	-	-	N	-	-	30	SP-SM								
Dry	-	-	N	-	-	40	SP-SM								
Dry	-	-	N	-	-	50	SP-SM								
Wet	-	-	N	-	-	60	SP-SM								
Wet	-	-	N	-	-	70	SP-SM								
Wet	-	-	N	-	-	80	SP-SM								
Wet	-	-	N	-	-	90	SP-SM								
Wet	-	-	N	-	-	100	SP-SM								
Wet	-	-	N	-	-	106	SP-SM								
Total Depth @ 106 feet bgs															

RED HILLS UNIT 127H (06.10.2025)

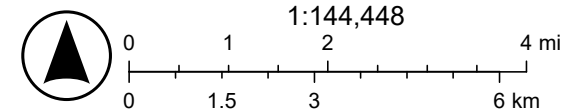


6/12/2025

USA Flood Hazard Areas

 1% Annual Chance Flood Hazard

World_Hillshade



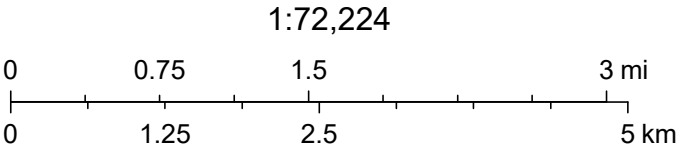
Esri, NASA, NGA, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

RED HILLS UNIT 127H (06.10.2025)



6/12/2025, 7:42:42 AM

- OSW Water Bodys
- OSE Streams



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APPENDIX E

CARMONA RESOURCES





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

June 18, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: REDHILLS UNIT 128H-133H

Enclosed are the results of analyses for samples received by the laboratory on 06/16/25 14:11.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/18/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 1 (6.0') (H253566-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2025	ND	2.19	110	2.00	15.5		
Toluene*	<0.050	0.050	06/17/2025	ND	1.94	97.1	2.00	10.3		
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.98	98.8	2.00	9.35		
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.14	102	6.00	8.80		
Total BTEx	<0.300	0.300	06/17/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/17/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2025	ND	197	98.4	200	14.3	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	178	88.8	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane 79.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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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 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/18/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 2 (6.0') (H253566-02)

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	06/17/2025	ND	2.19	110	2.00	15.5		
Toluene*	<0.050	0.050	06/17/2025	ND	1.94	97.1	2.00	10.3		
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.98	98.8	2.00	9.35		
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.14	102	6.00	8.80		
Total BTEX	<0.300	0.300	06/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	32.0	16.0	06/17/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2025	ND	197	98.4	200	14.3	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	178	88.8	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane 71.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/18/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 3 (6.0') (H253566-03)

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	06/17/2025	ND	2.19	110	2.00	15.5		
Toluene*	<0.050	0.050	06/17/2025	ND	1.94	97.1	2.00	10.3		
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.98	98.8	2.00	9.35		
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.14	102	6.00	8.80		
Total BTEX	<0.300	0.300	06/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	48.0	16.0	06/17/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2025	ND	197	98.4	200	14.3	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	178	88.8	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane 66.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.8 % 40.6-153

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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 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/18/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 4 (6.0') (H253566-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2025	ND	2.19	110	2.00	15.5	
Toluene*	<0.050	0.050	06/17/2025	ND	1.94	97.1	2.00	10.3	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.98	98.8	2.00	9.35	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.14	102	6.00	8.80	
Total BTEX	<0.300	0.300	06/17/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/17/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2025	ND	197	98.4	200	14.3	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	178	88.8	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane 77.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.5 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/18/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 5 (6.0') (H253566-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2025	ND	2.19	110	2.00	15.5		
Toluene*	<0.050	0.050	06/17/2025	ND	1.94	97.1	2.00	10.3		
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.98	98.8	2.00	9.35		
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.14	102	6.00	8.80		
Total BTEX	<0.300	0.300	06/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	06/17/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2025	ND	206	103	200	2.21	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	194	97.0	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane 85.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.3 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/18/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 6 (6.0') (H253566-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2025	ND	2.19	110	2.00	15.5		
Toluene*	<0.050	0.050	06/17/2025	ND	1.94	97.1	2.00	10.3		
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.98	98.8	2.00	9.35		
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.14	102	6.00	8.80		
Total BTEX	<0.300	0.300	06/17/2025	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	48.0	16.0	06/17/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2025	ND	206	103	200	2.21	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	194	97.0	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane 93.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.7 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/18/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 7 (6.0') (H253566-07)

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	06/17/2025	ND	2.19	110	2.00	15.5	
Toluene*	<0.050	0.050	06/17/2025	ND	1.94	97.1	2.00	10.3	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.98	98.8	2.00	9.35	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.14	102	6.00	8.80	
Total BTEX	<0.300	0.300	06/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	06/17/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2025	ND	206	103	200	2.21	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	194	97.0	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane 92.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.8 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/18/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 8 (6.0') (H253566-08)

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	06/17/2025	ND	2.19	110	2.00	15.5		
Toluene*	<0.050	0.050	06/17/2025	ND	1.94	97.1	2.00	10.3		
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.98	98.8	2.00	9.35		
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.14	102	6.00	8.80		
Total BTEX	<0.300	0.300	06/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	06/17/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2025	ND	206	103	200	2.21	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	194	97.0	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.7 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/18/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 9 (6.0') (H253566-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2025	ND	2.19	110	2.00	15.5		
Toluene*	<0.050	0.050	06/17/2025	ND	1.94	97.1	2.00	10.3		
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.98	98.8	2.00	9.35		
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.14	102	6.00	8.80		
Total BTEX	<0.300	0.300	06/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	06/17/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2025	ND	206	103	200	2.21	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	194	97.0	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane 92.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.7 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/18/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 10 (6.0') (H253566-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2025	ND	2.19	110	2.00	15.5		
Toluene*	<0.050	0.050	06/17/2025	ND	1.94	97.1	2.00	10.3		
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.98	98.8	2.00	9.35		
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.14	102	6.00	8.80		
Total BTEX	<0.300	0.300	06/17/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/17/2025	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	06/17/2025	ND	206	103	200	2.21	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	194	97.0	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane 90.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.6 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/18/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 11 (6.0') (H253566-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2025	ND	2.19	110	2.00	15.5		
Toluene*	<0.050	0.050	06/17/2025	ND	1.94	97.1	2.00	10.3		
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.98	98.8	2.00	9.35		
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.14	102	6.00	8.80		
Total BTEX	<0.300	0.300	06/17/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/17/2025	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	06/17/2025	ND	206	103	200	2.21	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	194	97.0	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane 82.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.0 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/18/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 12 (5.0') (H253566-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2025	ND	2.19	110	2.00	15.5		
Toluene*	<0.050	0.050	06/17/2025	ND	1.94	97.1	2.00	10.3		
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.98	98.8	2.00	9.35		
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.14	102	6.00	8.80		
Total BTEX	<0.300	0.300	06/17/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/17/2025	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	06/17/2025	ND	206	103	200	2.21	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	194	97.0	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane 90.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.7 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/18/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 13 (5.0') (H253566-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2025	ND	2.19	110	2.00	15.5		
Toluene*	<0.050	0.050	06/17/2025	ND	1.94	97.1	2.00	10.3		
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.98	98.8	2.00	9.35		
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.14	102	6.00	8.80		
Total BTEX	<0.300	0.300	06/17/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/17/2025	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	06/17/2025	ND	206	103	200	2.21	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	194	97.0	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane 92.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.3 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/18/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 14 (5.0') (H253566-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2025	ND	2.19	110	2.00	15.5		
Toluene*	<0.050	0.050	06/17/2025	ND	1.94	97.1	2.00	10.3		
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.98	98.8	2.00	9.35		
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.14	102	6.00	8.80		
Total BTEX	<0.300	0.300	06/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/17/2025	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	06/17/2025	ND	206	103	200	2.21	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	194	97.0	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane 89.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.1 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/18/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 15 (5.0') (H253566-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2025	ND	2.19	110	2.00	15.5		
Toluene*	<0.050	0.050	06/17/2025	ND	1.94	97.1	2.00	10.3		
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.98	98.8	2.00	9.35		
Total Xylenes*	<0.150	0.150	06/17/2025	ND	6.14	102	6.00	8.80		
Total BTEX	<0.300	0.300	06/17/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/17/2025	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	06/17/2025	ND	206	103	200	2.21	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	194	97.0	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane 91.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.4 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/18/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 16 (5.0') (H253566-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2025	ND	1.99	99.3	2.00	8.43		
Toluene*	<0.050	0.050	06/17/2025	ND	2.15	108	2.00	7.35		
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.98	99.2	2.00	7.39		
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.97	99.5	6.00	7.40		
Total BTEX	<0.300	0.300	06/17/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/17/2025	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	06/17/2025	ND	206	103	200	2.21	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	194	97.0	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane 94.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.7 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/18/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 17 (5.0') (H253566-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2025	ND	1.99	99.3	2.00	8.43		
Toluene*	<0.050	0.050	06/17/2025	ND	2.15	108	2.00	7.35		
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.98	99.2	2.00	7.39		
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.97	99.5	6.00	7.40		
Total BTEX	<0.300	0.300	06/17/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/17/2025	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	06/17/2025	ND	206	103	200	2.21	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	194	97.0	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane 94.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.1 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/18/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 18 (5.0') (H253566-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2025	ND	1.99	99.3	2.00	8.43		
Toluene*	<0.050	0.050	06/17/2025	ND	2.15	108	2.00	7.35		
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.98	99.2	2.00	7.39		
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.97	99.5	6.00	7.40		
Total BTEX	<0.300	0.300	06/17/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/17/2025	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	06/17/2025	ND	206	103	200	2.21	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	194	97.0	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane 94.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.4 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/18/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 19 (5.0') (H253566-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2025	ND	1.99	99.3	2.00	8.43		
Toluene*	<0.050	0.050	06/17/2025	ND	2.15	108	2.00	7.35		
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.98	99.2	2.00	7.39		
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.97	99.5	6.00	7.40		
Total BTEX	<0.300	0.300	06/17/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/17/2025	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	06/17/2025	ND	206	103	200	2.21	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	194	97.0	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane 91.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.2 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/18/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 20 (5.0') (H253566-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2025	ND	1.99	99.3	2.00	8.43		
Toluene*	<0.050	0.050	06/17/2025	ND	2.15	108	2.00	7.35		
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.98	99.2	2.00	7.39		
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.97	99.5	6.00	7.40		
Total BTEX	<0.300	0.300	06/17/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/17/2025	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	06/17/2025	ND	206	103	200	2.21	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	194	97.0	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane 96.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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: HAS3546

Page 1 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 West Wall Ste. 500	Address:	600 N Marnefield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com & ashton.thielke@coterra.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 I <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level N <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Redhills Unit 128H-133H	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Due Date:	48 Hour	Pres. Code	ANALYSIS REQUEST												Preservative Codes						
Project Number:	2761																		None: NO DI Water: H ₂ O					
Project Location:	Lea County, NM																		Cool: Cool MeOH: Me					
Sampler's Name:	GPJ																		HCL: HC HNO ₃ : HN					
PO #:																			H ₂ SO ₄ : H ₂ NaOH: Na					
SAMPLE RECEIPT		Temp Blank:	Yes/No	Wet Ice:	Yes/No													H ₃ PO ₄ : HP						
Received Inact:	Yes/No	Thermometer ID:																NaHSO ₄ : NABIS						
Cooler Custody Seals:	Yes/No	Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃						
Sample Custody Seals:	Yes/No	Temperature Reading:																Zn Acetate+NaOH: Zn						
Total Containers:		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC						
Sample Identification		Date	Time	Soil	Depth	Grab/Comp	# of Cont	Parameters												Sample Comments				
CS-1 (6.0')		6/13/2025		X		Comp	1	X	X	X	BTEX 8021B												100	
CS-2 (6.0')		6/13/2025		X		Comp	1	X	X	X	TPH 8015M (GRO + DRO + MRO)													
CS-3 (6.0')		6/13/2025		X		Comp	1	X	X	X	Chloride (Method 4500)													
CS-4 (6.0')		6/13/2025		X		Comp	1	X	X	X														
CS-5 (6.0')		6/13/2025		X		Comp	1	X	X	X														
CS-6 (6.0')		6/13/2025		X		Comp	1	X	X	X														
CS-7 (6.0')		6/13/2025		X		Comp	1	X	X	X														
CS-8 (6.0')		6/13/2025		X		Comp	1	X	X	X														
CS-9 (6.0')		6/13/2025		X		Comp	1	X	X	X														
CS-10 (6.0')		6/13/2025		X		Comp	1	X	X	X														

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		6/13/25 1411			

Chain of Custody

Work Order No: HA53566

Page 2 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimatex Energy
Address:	310 West Wall Ste. 500	Address:	600 N Mainfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com & ashton.thielke@coterra.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 I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level N <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Redhills Unit 128H-133H	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Due Date:	48 Hour	Pres. Code	
Project Number:	2761					
Project Location:	Lea County, NM					
Sampler's Name:	GPJ					
PO #:						
SAMPLE RECEIPT						
Received In tact:	Temp Blank:	Yes/No	Wet Loc:	Yes/No	Parameters	
Cooler Custody Seals:	Yes/No	Thermometer ID:			BTX 8021B	
Sample Custody Seals:	Yes/No	Correction Factor:			TPH 8015M (GRO + DRO + MRO)	
Total Containers:	Yes/No	Temperature Reading:			Chloride (Method 4500)	
		Corrected Temperature:				

Sample Identification	Date	Time	Soil	Depth	Grab/ Comp	# of Cont	TPH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		6/10/25 1411			



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June 17, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: REDHILLS UNIT 128H-133H

Enclosed are the results of analyses for samples received by the laboratory on 06/16/25 14:11.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/17/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 1 (6.0') (H253552-01)

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	06/16/2025	ND	1.82	90.8	2.00	4.53	
Toluene*	<0.050	0.050	06/16/2025	ND	1.89	94.3	2.00	5.49	
Ethylbenzene*	<0.050	0.050	06/16/2025	ND	1.85	92.7	2.00	5.68	
Total Xylenes*	<0.150	0.150	06/16/2025	ND	5.48	91.4	6.00	5.97	
Total BTX	<0.300	0.300	06/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/17/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2025	ND	193	96.6	200	8.13	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	194	97.1	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane 91.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.1 % 40.6-153

Cardinal Laboratories

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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 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/17/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 2 (6.0') (H253552-02)

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	06/16/2025	ND	1.82	90.8	2.00	4.53		
Toluene*	<0.050	0.050	06/16/2025	ND	1.89	94.3	2.00	5.49		
Ethylbenzene*	<0.050	0.050	06/16/2025	ND	1.85	92.7	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/16/2025	ND	5.48	91.4	6.00	5.97		
Total BTEX	<0.300	0.300	06/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/17/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2025	ND	193	96.6	200	8.13	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	194	97.1	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane 96.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/17/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 3 (6.0') (H253552-03)

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	06/16/2025	ND	1.82	90.8	2.00	4.53		
Toluene*	<0.050	0.050	06/16/2025	ND	1.89	94.3	2.00	5.49		
Ethylbenzene*	<0.050	0.050	06/16/2025	ND	1.85	92.7	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/16/2025	ND	5.48	91.4	6.00	5.97		
Total BTEX	<0.300	0.300	06/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 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	06/17/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2025	ND	193	96.6	200	8.13	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	194	97.1	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane 97.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.4 % 40.6-153

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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 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/17/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 4 (6.0') (H253552-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2025	ND	1.82	90.8	2.00	4.53		
Toluene*	<0.050	0.050	06/16/2025	ND	1.89	94.3	2.00	5.49		
Ethylbenzene*	<0.050	0.050	06/16/2025	ND	1.85	92.7	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/16/2025	ND	5.48	91.4	6.00	5.97		
Total BTEX	<0.300	0.300	06/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/17/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2025	ND	193	96.6	200	8.13	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	194	97.1	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane 96.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.4 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/17/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 5 (6.0') (H253552-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2025	ND	1.82	90.8	2.00	4.53		
Toluene*	<0.050	0.050	06/16/2025	ND	1.89	94.3	2.00	5.49		
Ethylbenzene*	<0.050	0.050	06/16/2025	ND	1.85	92.7	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/16/2025	ND	5.48	91.4	6.00	5.97		
Total BTEX	<0.300	0.300	06/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/17/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2025	ND	193	96.6	200	8.13	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	194	97.1	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane 66.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 60.9 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/17/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 6 (5.0') (H253552-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2025	ND	1.82	90.8	2.00	4.53		
Toluene*	<0.050	0.050	06/16/2025	ND	1.89	94.3	2.00	5.49		
Ethylbenzene*	<0.050	0.050	06/16/2025	ND	1.85	92.7	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/16/2025	ND	5.48	91.4	6.00	5.97		
Total BTEX	<0.300	0.300	06/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/17/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2025	ND	193	96.6	200	8.13	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	194	97.1	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane 81.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.0 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/17/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 7 (5.0') (H253552-07)

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	06/16/2025	ND	1.82	90.8	2.00	4.53		
Toluene*	<0.050	0.050	06/16/2025	ND	1.89	94.3	2.00	5.49		
Ethylbenzene*	<0.050	0.050	06/16/2025	ND	1.85	92.7	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/16/2025	ND	5.48	91.4	6.00	5.97		
Total BTEX	<0.300	0.300	06/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 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	06/17/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2025	ND	193	96.6	200	8.13	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	194	97.1	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane 84.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.9 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/17/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 8 (5.0') (H253552-08)

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	06/16/2025	ND	1.82	90.8	2.00	4.53		
Toluene*	<0.050	0.050	06/16/2025	ND	1.89	94.3	2.00	5.49		
Ethylbenzene*	<0.050	0.050	06/16/2025	ND	1.85	92.7	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/16/2025	ND	5.48	91.4	6.00	5.97		
Total BTEX	<0.300	0.300	06/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/17/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2025	ND	193	96.6	200	8.13	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	194	97.1	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane 86.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.3 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/17/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 9 (5.0') (H253552-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2025	ND	1.82	90.8	2.00	4.53		
Toluene*	<0.050	0.050	06/16/2025	ND	1.89	94.3	2.00	5.49		
Ethylbenzene*	<0.050	0.050	06/16/2025	ND	1.85	92.7	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/16/2025	ND	5.48	91.4	6.00	5.97		
Total BTEX	<0.300	0.300	06/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/17/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2025	ND	193	96.6	200	8.13	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	194	97.1	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.9 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/17/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 10 (5.0') (H253552-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2025	ND	1.82	90.8	2.00	4.53		
Toluene*	<0.050	0.050	06/16/2025	ND	1.89	94.3	2.00	5.49		
Ethylbenzene*	<0.050	0.050	06/16/2025	ND	1.85	92.7	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/16/2025	ND	5.48	91.4	6.00	5.97		
Total BTEX	<0.300	0.300	06/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/17/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2025	ND	193	96.6	200	8.13	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	194	97.1	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.3 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/17/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 11 (5.0') (H253552-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2025	ND	1.82	90.8	2.00	4.53		
Toluene*	<0.050	0.050	06/16/2025	ND	1.89	94.3	2.00	5.49		
Ethylbenzene*	<0.050	0.050	06/16/2025	ND	1.85	92.7	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/16/2025	ND	5.48	91.4	6.00	5.97		
Total BTEX	<0.300	0.300	06/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 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	06/17/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2025	ND	193	96.6	200	8.13	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	194	97.1	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane 81.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/17/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 12 (6.0') (H253552-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2025	ND	1.82	90.8	2.00	4.53		
Toluene*	<0.050	0.050	06/16/2025	ND	1.89	94.3	2.00	5.49		
Ethylbenzene*	<0.050	0.050	06/16/2025	ND	1.85	92.7	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/16/2025	ND	5.48	91.4	6.00	5.97		
Total BTEX	<0.300	0.300	06/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	06/17/2025	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	06/16/2025	ND	193	96.6	200	8.13	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	194	97.1	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane 83.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/17/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 13 (6.0') (H253552-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2025	ND	1.82	90.8	2.00	4.53		
Toluene*	<0.050	0.050	06/16/2025	ND	1.89	94.3	2.00	5.49		
Ethylbenzene*	<0.050	0.050	06/16/2025	ND	1.85	92.7	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/16/2025	ND	5.48	91.4	6.00	5.97		
Total BTEX	<0.300	0.300	06/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 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	160	16.0	06/17/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2025	ND	193	96.6	200	8.13	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	194	97.1	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane 87.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.8 % 40.6-153

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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 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/17/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 14 (6.0') (H253552-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2025	ND	1.82	90.8	2.00	4.53		
Toluene*	<0.050	0.050	06/16/2025	ND	1.89	94.3	2.00	5.49		
Ethylbenzene*	<0.050	0.050	06/16/2025	ND	1.85	92.7	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/16/2025	ND	5.48	91.4	6.00	5.97		
Total BTEX	<0.300	0.300	06/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 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	112	16.0	06/17/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2025	ND	193	96.6	200	8.13	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	194	97.1	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane 89.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.4 % 40.6-153

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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 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/17/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 15 (5.0'-6.0') (H253552-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2025	ND	1.82	90.8	2.00	4.53		
Toluene*	<0.050	0.050	06/16/2025	ND	1.89	94.3	2.00	5.49		
Ethylbenzene*	<0.050	0.050	06/16/2025	ND	1.85	92.7	2.00	5.68		
Total Xylenes*	<0.150	0.150	06/16/2025	ND	5.48	91.4	6.00	5.97		
Total BTEX	<0.300	0.300	06/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 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	96.0	16.0	06/17/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2025	ND	193	96.6	200	8.13	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	194	97.1	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane 89.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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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: HA53552

Page 1 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 West Wall Ste. 500	Address:	600 N Marnefield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com & ashton.thielke@coterra.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 I <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level N <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> Adapt <input type="checkbox"/> Other:	

Project Name:	Redhills Unit 128H-133H	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres Code	ANALYSIS REQUEST										Preservative Codes			
Project Number:	2761	Due Date:	24 Hour														None: NO	DI Water: H ₂ O
Project Location:	Lea County, NM																Cool: Cool	MeOH: Me
Sampler's Name:	GPJ																HCL: HC	HNO ₃ : HN
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters											HOLD		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140		BTEX 8021B													
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	10.3		TPH 8015M (GRO + DRO + MRO)													
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	5.10		Chloride (Method 4500)													
Total Containers:		Corrected Temperature:	5.7														NaOH+Ascorbic Acid: SANC	
Sample Identification	Date	Time	Soil	Depth	Grab/Comp	# of Cont											Sample Comments	
SW-1 (6.0')	6/13/2025		X		Comp	1	X	X	X								23578810	
SW-2 (6.0')	6/13/2025		X		Comp	1	X	X	X									
SW-3 (6.0')	6/13/2025		X		Comp	1	X	X	X									
SW-4 (6.0')	6/13/2025		X		Comp	1	X	X	X									
SW-5 (6.0')	6/13/2025		X		Comp	1	X	X	X									
SW-6 (6.0') (5.0')	6/13/2025		X		Comp	1	X	X	X									
SW-7 (6.0')	6/13/2025		X		Comp	1	X	X	X									
SW-8 (6.0')	6/13/2025		X		Comp	1	X	X	X									
SW-9 (6.0')	6/13/2025		X		Comp	1	X	X	X									
SW-10 (6.0')	6/13/2025		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
		6/13/25 1412			

Chain of Custody

Work Order No: H2S3552

Page 2 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 West Wall Ste. 500	Address:	600 N Marlenfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com & ashton.thielke@coterra.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐



State of Project:

Reporting Level I ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADAPT ☐ Other:

[illegible][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
		10-10-25 1417			

Revised Date 05/01/2020 Rev. 2022



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

June 18, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: REDHILLS UNIT 128H-133H

Enclosed are the results of analyses for samples received by the laboratory on 06/16/25 14:11.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 06/16/2025
 Reported: 06/18/2025
 Project Name: REDHILLS UNIT 128H-133H
 Project Number: 2761
 Project Location: CIMAREX - LEA COUNTY, NM

Sampling Date: 06/16/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: RED HILLS BACKFILL (H253567-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2025	ND	1.99	99.3	2.00	8.43	
Toluene*	<0.050	0.050	06/17/2025	ND	2.15	108	2.00	7.35	
Ethylbenzene*	<0.050	0.050	06/17/2025	ND	1.98	99.2	2.00	7.39	
Total Xylenes*	<0.150	0.150	06/17/2025	ND	5.97	99.5	6.00	7.40	
Total BTEX	<0.300	0.300	06/17/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/17/2025	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2025	ND	206	103	200	2.21	
DRO >C10-C28*	<10.0	10.0	06/17/2025	ND	194	97.0	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/17/2025	ND					

Surrogate: 1-Chlorooctane 78.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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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: 4253567

Page 1 of 1

Project Manager:		Ashton Thielke		Bill to: (if different)		Laci Luig		Work Order Comments																	
Company Name:		Carmona Resources		Company Name:		Cimarex Energy		Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>																	
Address:		310 West Wall Ste. 500		Address:		600 N Marientfield St. Suite 600		State of Project:																	
City, State ZIP:		Midland, TX 79701		City, State ZIP:		Midland, TX 79701		Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>																	
Phone:		432-813-8988		Email:		laci.luig@coterra.com & ashton.thielke@coterra.com		Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>																	
Project Name:		Redhills Unit 128H-133H		Turn Around		ANALYSIS REQUEST		Preservative Codes																	
Project Number:		2761		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code		None: NO DI Water: H ₂ O																	
Project Location:		Lea County, NM		Due Date:		48 Hour		Cool: Cool MeOH: Me																	
Sampler's Name:		GPJ						HCL: HC HNO ₃ : HN																	
PO #:								H ₂ SO ₄ : H ₂ NaOH: Na																	
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																	
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		140		H ₃ PO ₄ : HP																	
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Correction Factor:		+0.3		NaHSO ₄ : NABIS																	
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Temperature Reading:		5.48		Na ₂ S ₂ O ₃ : NaSO ₃																	
Total Containers:				Corrected Temperature:		5.9		Zn Acetate+NaOH: Zn																	
Sample Identification		Date		Time		Soil		Depth		Grab/Comp		# of Cont		Parameters		BTX 8021B		TPH 8015M (GRO + DRO + MRO)		Chloride (Method 4500)		HOLD		Sample Comments	
Red Hills Backfill		6/16/2025				X				Comp		1		X		X		X							

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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 482345

QUESTIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 482345
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2516257736
Incident Name	NAPP2516257736 RED HILLS UNIT 127H @ 30-025-45502
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-45502] RED HILLS UNIT #127H

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	RED HILLS UNIT 127H
Date Release Discovered	06/10/2025
Surface Owner	State

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: Other Separator Crude Oil Released: 5 BBL Recovered: 5 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Other Separator Produced Water Released: 4 BBL Recovered: 4 BBL Lost: 0 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)	We had a reportable release at the Red Hills 32-5 Federal Com 127H well pad due to rain eroding away material under the separator containment, resulting in a gasket on the inlet to fail and release fluid. This incident resulted in a release of 5 barrels of oil and 4 barrels of water onto the well pad. In the coming weeks, we will evaluate the affected soils and implement the necessary remediation measures.

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QUESTIONS, Page 2

Action 482345

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 482345
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 07/07/2025
----------------------------------------------------	--------------------------------------------------------------------------------------------------------

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QUESTIONS, Page 3

Action 482345

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID:
	162683
	Action Number:
	482345
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

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)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
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 1000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

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	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	96
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<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>	
On what estimated date will the remediation commence	06/13/2025
On what date will (or did) the final sampling or liner inspection occur	06/13/2025
On what date will (or was) the remediation complete(d)	06/18/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	3825
What is the estimated volume (in cubic yards) that will be remediated	760
<i>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.</i>	
<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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Action 482345

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 482345
	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: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 07/07/2025
<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 482345

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 482345
	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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Action 482345

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 482345
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	473460
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/13/2025
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	1100

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	3825
What was the total volume (cubic yards) remediated	760
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)	The site was excavated to a depth between 5-6' to remove all impact and to be replaced with clean backfill material. Composite confirmation floor and sidewall samples collected a frequency to not exceed 200sqft shows all contamination was removed. Clean locally sourced material was used to backfill the area.
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 07/07/2025

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Action 482345

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
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	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 482345

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 482345
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	8/22/2025