

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

Cause of Release

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

Spill Calculation - Subsurface Spill - Rectangle								Remediation Recommendation	
<div>Received by OCD: 1/23/2024 2:42:55 PM</div> <div>Convert Irregular shape into a series of rectangles</div> <div>Length (ft.)</div> <div>Width (ft.)</div> <div>Average Depth (in.)</div> <div>On/Off Pad (dropdown)</div> <div>Soil Spilled-Fluid Saturation (%)</div> <div>Estimated volume of each area (bbl.)</div> <div>Total Estimated Volume of Spill (bbl.)</div>								Total Estimated Contaminated Soil, uncompacted, 25% (yd³.)	<div>Page 3 of 99</div> <div>Current Rule of Thumb RMR Handover Volume, (yd³.)</div>
Rectangle A	75.0	18.0	2.5	Off-Pad✓	7.52%	50.06	3.76	13.02	750
Rectangle B	195.0	12.0	2.5	Off-Pad✓	7.52%	86.78	6.53	22.57	
Rectangle C				Off-Pad✓	7.52%	0.00	0.00	0.00	
Rectangle D				Off-Pad✓	7.52%	0.00	0.00	0.00	
Rectangle E				Off-Pad✓	7.52%	0.00	0.00	0.00	
Rectangle F				✓		0.00		0.00	
Rectangle G				✓		0.00		0.00	
Rectangle H				✓		0.00		0.00	
Rectangle I				✓		0.00		0.00	
Rectangle J				✓		0.00		0.00	
Total Subsurface Volume Released:							10.2902	35.59	BU

Released to Imaging: 4/2/2024 10:17:05 AM



SITE INFORMATION

Closure Report
Glacier Federal Com 001H (08.25.23)
Incident #NAPP2325743880
Eddy County, New Mexico
Unit A Sec 24 T26S R25E
32.0341°, -104.3430°

Produced Water Release
Point of Release: Split Water Transfer Line
Release Date: 08.25.23
Volume Released: 10.2902 Barrels of Produced Water
Volume Recovered: 0 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Concho Operating, LLC
15 West London Road
Loving, New Mexico 88256

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

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December 1, 2023

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

**Re: Closure Report
Glacier Federal Com 001H (08.25.23)
Concho Operating, LLC
Site Location: Unit A, S24, T26S, R25E
(Lat 32.0341°, Long -104.3430°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Glacier Federal Com 001H. The site is located at 32.0341°, -104.3430° within Unit A, S24, T26S, R25E, and in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on August 25, 2023, caused by a split water transfer line due to high pressure. It released approximately ten point two nine zero two (10.2902) barrels of produced water, with zero (0) barrels of produced water recovered. The impacted area occurred on the pad, as 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 high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is approximately 0.92 miles southwest of the site in S24, T26S, R25E and was drilled in 2015. The well has a reported depth to groundwater of 10 feet below the ground surface (ft bgs). A copy of the associated summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Initial Assessment

On September 25, 2023, Carmona Resources, LLC performed site assessment activities to evaluate the soil impacts stemming from the release. A total of four (4) soil samples (S-1 through S-4), six (6) horizontal samples (H-1 through H-6), and one (1) background sample (BG-1) were advanced to depths ranging from the surface to 0-1' bgs inside the release area. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-



custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. The sample locations are shown in Figure 3.

Vertical Delineation

Vertical delineation could not be achieved due to a dense, cemented geological formation at 1.0' bgs throughout the release area. Refer to Table 1.

Horizontal Delineation

All horizontal locations and background samples were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on November 16, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of ten (10) floor confirmation samples were collected (CS-1 through CS-10), and seventeen (17) sidewall samples (SW-1 through SW-17) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

All final confirmation samples were below the regulatory limits for TPH, BTEX, and chloride. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 266 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. The final C-141 is attached, and COG formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

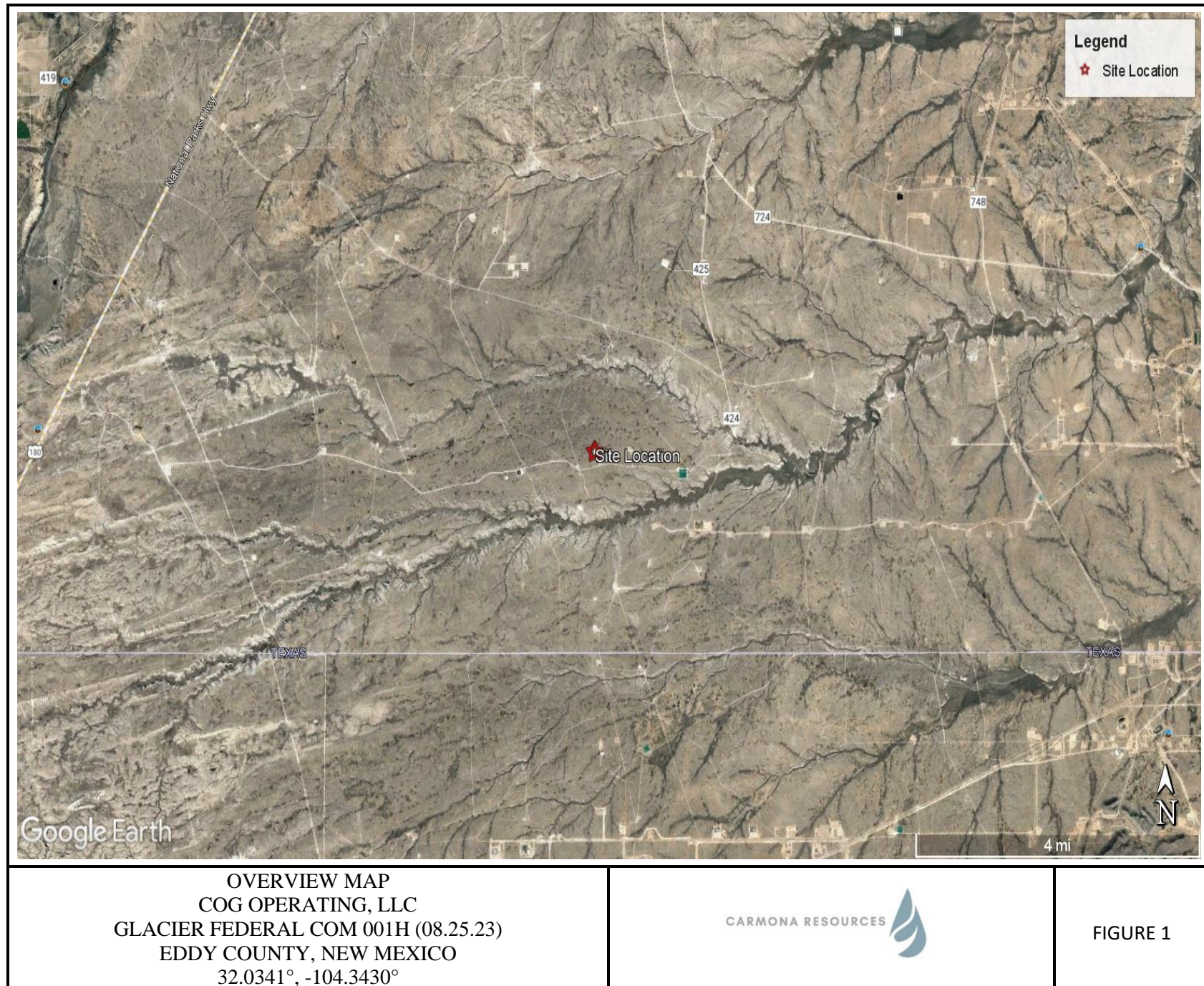
Conner Moehring
Sr. Project Manager

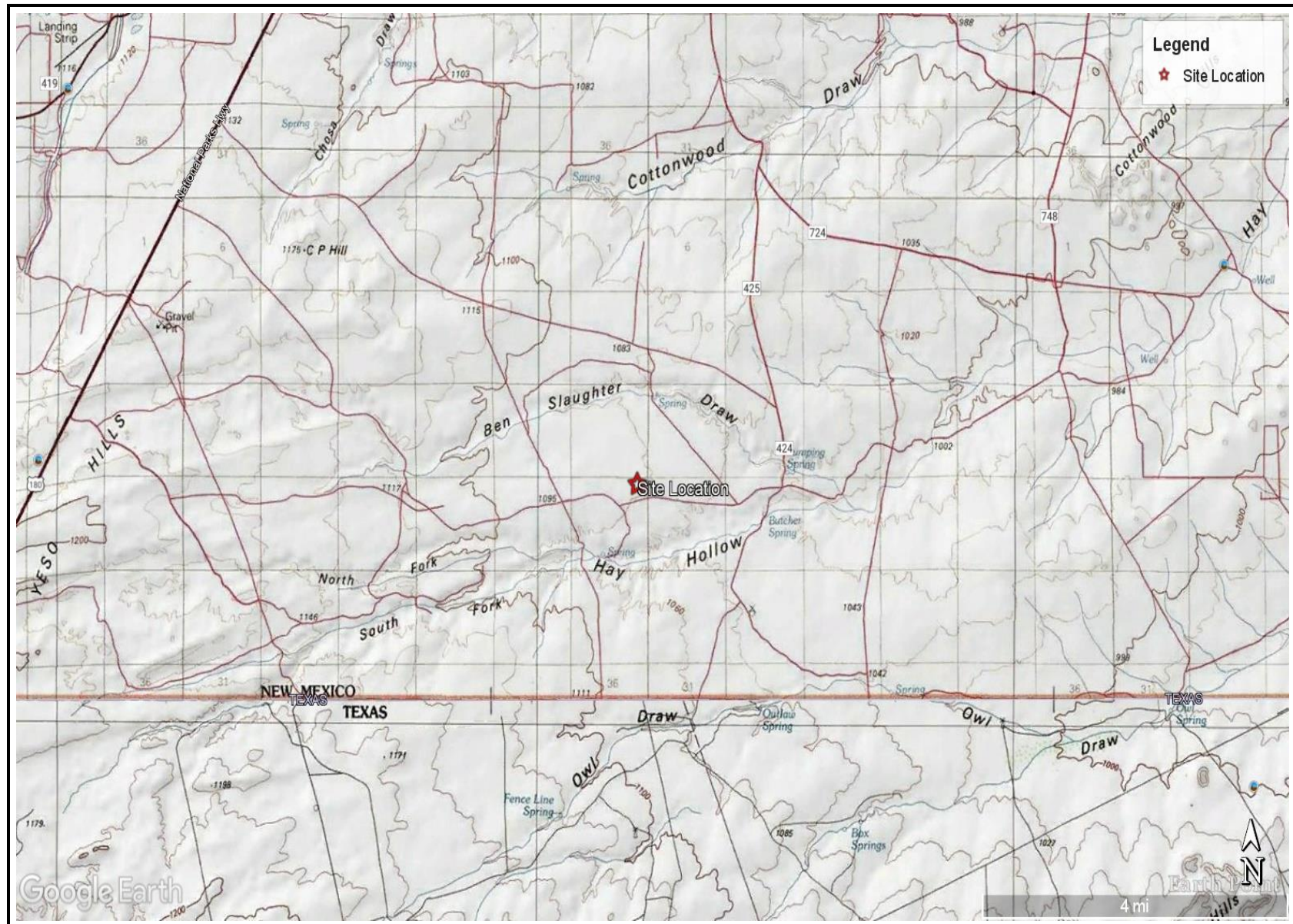
Devin Dominguez
Sr. Project Manager

FIGURES

CARMONA RESOURCES







TOPOGRAPHIC MAP
COG OPERATING, LLC
GLACIER FEDERAL COM 001H (08.25.23)
EDDY COUNTY, NEW MEXICO
32.0341°, -104.3430°



FIGURE 2



SAMPLE LOCATION MAP
 COG OPERATING, LLC
 GLACIER FEDERAL COM 001H (08.25.23)
 EDDY COUNTY, NEW MEXICO
 32.0341°, -104.3430°



FIGURE 3



EXCAVATION DEPTH MAP
 COG OPERATING, LLC
 GLACIER FEDERAL COM 001H (08.25.23)
 EDDY COUNTY, NEW MEXICO
 32.0341°, -104.3430°



FIGURE 4

APPENDIX A

CARMONA RESOURCES



Table 1
COG Operating, LLC
Glacier Federal Com 001H (08.25.23)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	9/25/2023	0-1	32.8	4,030	887	4,949.8	<0.050	<0.050	<0.050	<0.150	<0.300	1,120
S-2	9/25/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,840
S-3	9/25/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	9,600
S-4	9/25/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,200
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

Removed

Table 1
COG Operating, LLC
Glacier Federal Com 001H (08.25.23)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	9/25/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-2	9/25/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-3	9/25/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-4	9/25/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-5	9/25/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.2
H-6	9/25/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.4
BG-1	9/25/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.6
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(H) Horizontal Sample

(BG) Background Sample

Table 2
COG Operating, LLC
Glacier Federal Com 001H (08.25.23)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-2	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-3	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-4	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-5	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-6	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-7	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-8	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-9	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-10	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

Table 2
COG Operating, LLC
Glacier Federal Com 001H (08.25.23)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-2	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-3	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-4	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-5	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-6	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-7	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-8	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-9	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-10	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-11	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-12	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-13	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-14	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-15	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-16	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-17	11/20/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Glacier Federal Com 001H
(08.25.23)

County: Eddy County, New Mexico

Description:

View North, area of CS-1 through CS-3.



Photograph No. 2

Facility: Glacier Federal Com 001H
(08.25.23)

County: Eddy County, New Mexico

Description:

View North, area of CS-4 and CS-5.



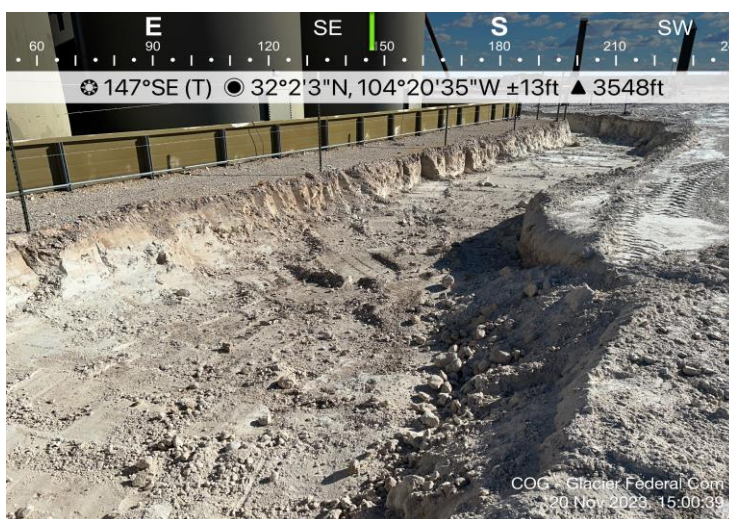
Photograph No. 3

Facility: Glacier Federal Com 001H
(08.25.23)

County: Eddy County, New Mexico

Description:

View Southeast, area of CS-6 through CS-7.



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 4

Facility: Glacier Federal Com 001H
(08.25.23)

County: Eddy County, New Mexico

Description:

View Southeast, area of CS-8.



Photograph No. 5

Facility: Glacier Federal Com 001H
(08.25.23)

County: Eddy County, New Mexico

Description:

View West, area of CS-9.



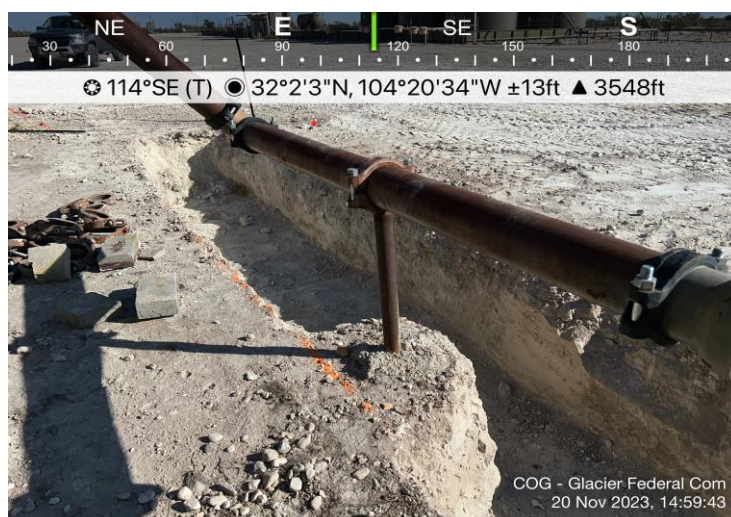
Photograph No. 6

Facility: Glacier Federal Com 001H
(08.25.23)

County: Eddy County, New Mexico

Description:

View Southeast, area of CS-10.



APPENDIX C

CARMONA RESOURCES



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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

Cause of Release

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Jacqui Harris Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: Jacqui Harris Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Spill Calculation - Subsurface Spill - Rectangle								Remediation Recommendation	
<div>Received by OCD: 1/23/2024 2:42:55 PM</div> <div>Convert Irregular shape into a series of rectangles</div>								Total Estimated Contaminated Soil, uncompacted, 25% (yd³.)	<div>Page 27 of 99</div> <div>Current Rule of Thumb RMR Handover Volume, (yd³.)</div>
	Length (ft.)	Width (ft.)	Average Depth (in.)	On/Off Pad (dropdown)	Soil Spilled-Fluid Saturation (%)	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)		
Rectangle A	75.0	18.0	2.5	Off-Pad✓	7.52%	50.06	3.76	13.02	750
Rectangle B	195.0	12.0	2.5	Off-Pad✓	7.52%	86.78	6.53	22.57	
Rectangle C				Off-Pad✓	7.52%	0.00	0.00	0.00	
Rectangle D				Off-Pad✓	7.52%	0.00	0.00	0.00	
Rectangle E				Off-Pad✓	7.52%	0.00	0.00	0.00	
Rectangle F				✓		0.00		0.00	
Rectangle G				✓		0.00		0.00	
Rectangle H				✓		0.00		0.00	
Rectangle I				✓		0.00		0.00	
Rectangle J				✓		0.00		0.00	
Total Subsurface Volume Released:							10.2902	35.59	BU
<div>Released to Imaging: 4/2/2024 10:17:05 AM</div>									

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

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

CONDITIONS

Action 265370

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 265370
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	9/15/2023

Conner Moehring

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, November 16, 2023 10:59 AM
To: Conner Moehring
Cc: Jacqui.Harris@conocophillips.com; Mike Carmona; Devin Dominguez; Clint Merritt; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] COG - Glacier Federal Com 001H (08.25.23) - Sampling Notification

Hi Conner,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Conner Moehring <Cmoehring@carmonaresources.com>
Sent: Thursday, November 16, 2023 10:36 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Jacqui.Harris@conocophillips.com; Mike Carmona <Mcarmona@carmonaresources.com>; Devin Dominguez <Ddominguez@carmonaresources.com>; Clint Merritt <MerrittC@carmonaresources.com>
Subject: [EXTERNAL] COG - Glacier Federal Com 001H (08.25.23) - Sampling Notification

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

All,

This email serves as a notification for confirmation sampling on the COG - Glacier Federal Com 001H (08.25.23). Sampling is scheduled to begin on Monday, November 20, 2023, around 12:30 p.m. Mountain Time and continue through the week. Carmona Resources personnel will be on-site to collect the confirmation samples.

NAPP2325743880

Conner R. Moehring
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-6823
cmoehring@carmonaresources.com

APPENDIX D

CARMONA RESOURCES



Nearest water well

COG Operating

Legend

0.50 Mile Radius

0.92 Miles

0.95 Miles

1.22 Miles

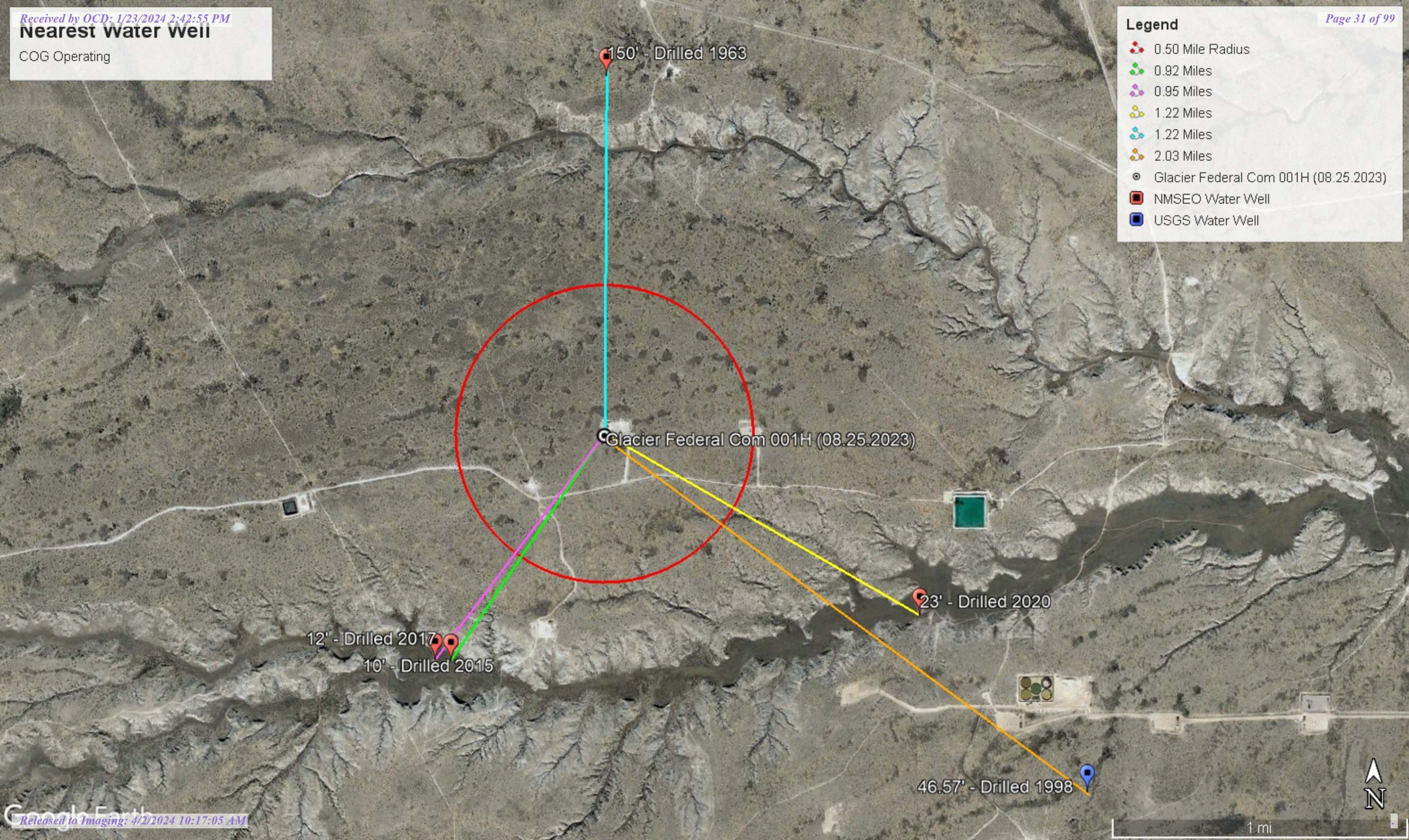
1.22 Miles

2.03 Miles

Glacier Federal Com 001H (08.25.2023)

NMSEO Water Well

USGS Water Well



High Karst

COG Operating

Legend

- Glacier Federal Com 001H (08.25.2023)
- High

Glacier Federal Com 001H (08.25.2023)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04047 POD1	CUB	ED		1	4	3	24	26S	25E	561202	3543172	1485	100	12	88
C 03816 POD1	C	ED		1	4	3	24	26S	25E	561116	3543177	1531	80	10	70
C 02366	CUB	ED			4	4	12	26S	25E	562027	3546345*	1941	80	150	-70
C 03811 POD1	C	ED		4	1	4	19	26S	26E	563746	3543436	1966	75	23	52
C 01351	CUB	ED		4	2	4	19	26S	26E	563772	3543411*	2001	25		
C 02790	CUB	ED		3	2	1	25	26S	25E	561146	3542586*	2023	100		
C 03810 POD1	C	ED		3	1	3	20	26S	26E	563896	3543406	2111	100	15	85
C 01351 X-2	CUB	ED		3	1	3	20	26S	26E	563978	3543413*	2182	25		
C 04041 POD1	C	ED		2	1	3	20	26S	26E	564281	3543559	2400	100	60	40
C 04046 POD1	CUB	ED		1	2	3	20	26S	26E	564437	3543647	2519	140	100	40
C 01351 X	CUB	ED		4	4	1	20	26S	26E	564581	3543822*	2612	25		
C 04270 POD1	CUB	ED		3	4	3	20	26S	26E	564288	3543019	2645	90	76	14
C 03812 POD1	C	ED		4	4	1	20	26S	26E	564641	3543737	2690	96	15	81
C 04270 POD4	CUB	ED		3	4	3	20	26S	26E	564327	3542970	2704	75		
C 04270 POD3	CUB	ED		3	4	3	20	26S	26E	564484	3543072	2788	50	42	8
C 04048 POD1	CUB	ED		2	3	2	20	26S	26E	565061	3543969	3058	140	80	60
C 04169 POD1	CUB	ED		2	3	2	20	26S	26E	565088	3543933	3089	151	10	141
C 01924	C	ED		3	2	4	26	26S	25E	560338	3541769*	3133			
C 02791	CUB	ED			4	4	17	26S	26E	565288	3544739*	3271	100		
C 04170 POD1	CUB	ED		4	4	2	20	26S	26E	565478	3543926	3476	136	12	124
C 02370	CUB	ED			1	1	36	26S	25E	560846	3541060*	3548	60	7	53
C 02407	C	ED		1	4	1	08	26S	26E	564347	3547268*	3681	160	22	138

*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.

9/22/23 10:11 AM

Page 1 of 2

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Average Depth to Water: 42 feet
Minimum Depth: 7 feet
Maximum Depth: 150 feet

Record Count: 22


UTMNAD83 Radius Search (in meters):

Easting (X): 562034 Northing (Y): 3544404 Radius: 4000



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	04047 POD1	1	4	3	24	26S	25E	561202	3543172 
<hr/>									
Driller License: 1690		Driller Company:		VISION RESOURCES, INC					
Driller Name: JASON MALEY									
Drill Start Date: 06/14/2017		Drill Finish Date:		06/15/2017		Plug Date:			
Log File Date: 06/26/2017		PCW Rev Date:				Source:		Shallow	
Pump Type:		Pipe Discharge Size:				Estimated Yield:		200 GPM	
Casing Size: 6.00		Depth Well:		100 feet		Depth Water:		12 feet	
<hr/>									
Water Bearing Stratifications:				Top	Bottom	Description			
				10	65	Other/Unknown			
<hr/>									
Casing Perforations:				Top	Bottom				
				20	100				
<hr/>									

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


9/22/23 10:12 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	03816 POD1	1	4	3	24	26S	25E	561116	3543177 

Driller License:	1690	Driller Company:	VISION RESOURCES, INC							
Driller Name:	MALEY, JASON									
Drill Start Date:	06/19/2015	Drill Finish Date:	06/19/2015				Plug Date:			
Log File Date:	06/29/2015	PCW Rev Date:					Source:	Shallow		
Pump Type:			Pipe Discharge Size:					Estimated Yield:		
Casing Size:	6.00	Depth Well:	80 feet				Depth Water:	10 feet		

Water Bearing Stratifications:						Top	Bottom	Description	
						10	70	Other/Unknown	

Casing Perforations:						Top	Bottom		
						20	80		

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9/22/23 10:13 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
22386	C 03811 POD1	4	1	4	19	26S	26E	563746	3543436

x

Driller License: 1690 **Driller Company:** VISION RESOURCES, INC

Driller Name: JASON MALEY

Drill Start Date: 05/18/2020 **Drill Finish Date:** 05/19/2020 **Plug Date:**

Log File Date: 06/08/2020 **PCW Rev Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 100 GPM

Casing Size: 6.00 **Depth Well:** 75 feet **Depth Water:** 23 feet

x

Water Bearing Stratifications:	Top	Bottom	Description
	15	75	Sandstone/Gravel/Conglomerate

x

Casing Perforations:	Top	Bottom
	20	75

x

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

9/22/23 10:14 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(quarters are smallest to largest)		(NAD83 UTM in meters)					
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y						
C	02366	4	4	12	26S	25E	562027	3546345*							
x															
Driller License:				Driller Company:											
Driller Name:				UNKNOWN											
Drill Start Date:				Drill Finish Date:				04/05/1963				Plug Date:			
Log File Date:				PCW Rev Date:				Source:							
Pump Type:				Pipe Discharge Size:				Estimated Yield:				25 GPM			
Casing Size:				Depth Well:				80 feet				Depth Water:		150 feet	
x															

*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.

9/22/23 10:13 AM

POINT OF DIVERSION SUMMARY



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320100104185501

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

USGS 320100104185501 26S.26E.29.143432

Eddy County, New Mexico
Latitude 32°01'00", Longitude 104°18'55" NAD27
Land-surface elevation 3,453 feet above NAVD88
The depth of the well is 88.0 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) 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 measur
1983-02-17			D 62610		3415.88	NGVD29	1		Z	
1983-02-17			D 62611		3417.58	NAVD88	1		Z	
1983-02-17			D 72019	35.42			1		Z	
1987-10-08			D 62610		3415.05	NGVD29	1		Z	
1987-10-08			D 62611		3416.75	NAVD88	1		Z	
1987-10-08			D 72019	36.25			1		Z	
1988-04-21			D 62610		3412.53	NGVD29	1		Z	
1988-04-21			D 62611		3414.23	NAVD88	1		Z	
1988-04-21			D 72019	38.77			1		Z	
1992-11-19			D 62610		3410.35	NGVD29	P		S	
1992-11-19			D 62611		3412.05	NAVD88	P		S	
1992-11-19			D 72019	40.95			P		S	
1998-01-08			D 62610		3404.73	NGVD29	1		S	
1998-01-08			D 62611		3406.43	NAVD88	1		S	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1998-01-08			D	72019	46.57		1	S		

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

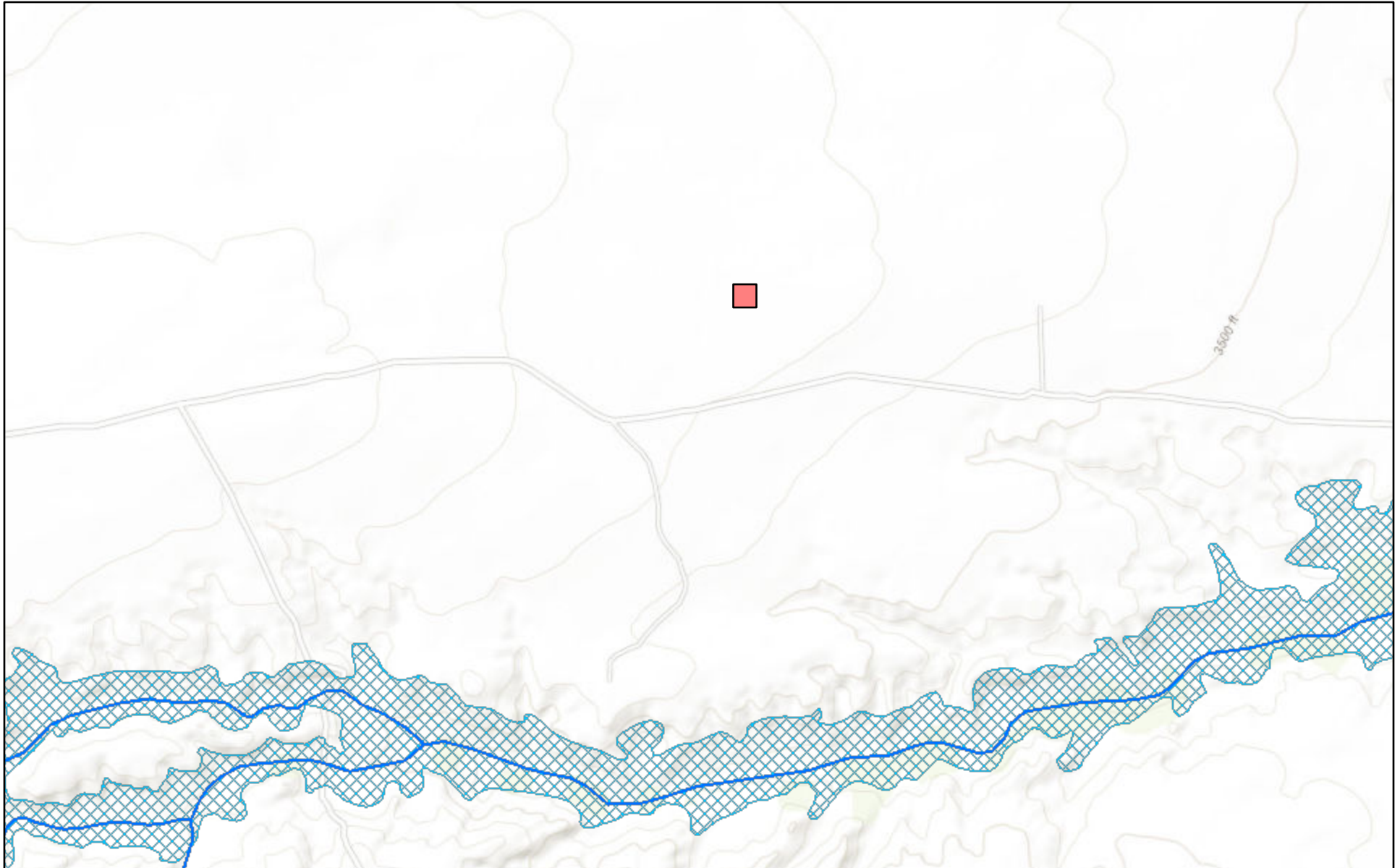
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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>

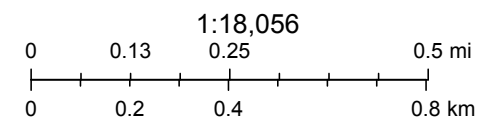


Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2023-09-22 12:17:51 EDT
0.31 0.26 nadww01

New Mexico NFHL Data



September 22, 2023



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

nmflood.org is made possible through a collaboration with NMDHSEM,

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APPENDIX E

CARMONA RESOURCES





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

September 28, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: GLACIER FEDERAL COM 001H (08.25.23)

Enclosed are the results of analyses for samples received by the laboratory on 09/25/23 17:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/25/2023	Sampling Date:	09/25/2023
Reported:	09/28/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: S-1 (0-1') (H235212-01)

BTX 8021B			mg/kg		Analyzed By: JH			S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2023	ND	1.84	92.0	2.00	1.03		
Toluene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	0.0431		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.17	108	2.00	0.460	GC-NC	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.70	112	6.00	0.140		
Total BTX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 135 % 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	1120	16.0	09/26/2023	ND	400	100	400	3.92	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	32.8	10.0	09/26/2023	ND	198	99.2	200	1.06	
DRO >C10-C28*	4030	10.0	09/26/2023	ND	195	97.7	200	1.36	
EXT DRO >C28-C36	887	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/25/2023	Sampling Date:	09/25/2023
Reported:	09/28/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: S-2 (0-0.5') (H235212-02)

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	09/26/2023	ND	1.84	92.0	2.00	1.03		
Toluene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	0.0431		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.17	108	2.00	0.460		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.70	112	6.00	0.140		
Total BTEX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	3840	16.0	09/26/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	198	99.2	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	195	97.7	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/25/2023	Sampling Date:	09/25/2023
Reported:	09/28/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: S-3 (0-0.5') (H235212-03)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.84	92.0	2.00	1.03	
Toluene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	0.0431	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.17	108	2.00	0.460	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.70	112	6.00	0.140	
Total BTX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	9600	16.0	09/26/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	165	82.5	200	0.0703	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	174	87.0	200	1.31	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 76.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/25/2023	Sampling Date:	09/25/2023
Reported:	09/28/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: S-4 (0-1') (H235212-04)

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	09/26/2023	ND	1.84	92.0	2.00	1.03		
Toluene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	0.0431		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.17	108	2.00	0.460		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.70	112	6.00	0.140		
Total BTEX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	7200	16.0	09/26/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	165	82.5	200	0.0703	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	174	87.0	200	1.31	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 75.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
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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*=Accredited Analyte

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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: H235212

Page 1 of 1[illegible]



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

September 28, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: GLACIER FEDERAL COM 001H (08.25.23)

Enclosed are the results of analyses for samples received by the laboratory on 09/25/23 17:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/25/2023	Sampling Date:	09/25/2023
Reported:	09/28/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: H - 1 (0-0.5') (H235213-01)

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	09/26/2023	ND	1.84	92.0	2.00	1.03	
Toluene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	0.0431	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.17	108	2.00	0.460	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.70	112	6.00	0.140	
Total BTX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/26/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	165	82.5	200	0.0703	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	174	87.0	200	1.31	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/25/2023	Sampling Date:	09/25/2023
Reported:	09/28/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: H - 2 (0-0.5') (H235213-02)

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	09/26/2023	ND	1.84	92.0	2.00	1.03	
Toluene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	0.0431	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.17	108	2.00	0.460	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.70	112	6.00	0.140	
Total BTEX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	09/26/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	165	82.5	200	0.0703	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	174	87.0	200	1.31	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/25/2023	Sampling Date:	09/25/2023
Reported:	09/28/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: H - 3 (0-0.5') (H235213-03)

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	09/26/2023	ND	1.84	92.0	2.00	1.03		
Toluene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	0.0431		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.17	108	2.00	0.460		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.70	112	6.00	0.140		
Total BTEX	<0.300	0.300	09/26/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	165	82.5	200	0.0703	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	174	87.0	200	1.31	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/25/2023	Sampling Date:	09/25/2023
Reported:	09/28/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: H - 4 (0-0.5') (H235213-04)

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	09/26/2023	ND	1.84	92.0	2.00	1.03		
Toluene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	0.0431		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.17	108	2.00	0.460		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.70	112	6.00	0.140		
Total BTEX	<0.300	0.300	09/26/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	165	82.5	200	0.0703	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	174	87.0	200	1.31	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/25/2023	Sampling Date:	09/25/2023
Reported:	09/28/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: H - 5 (0-0.5') (H235213-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2023	ND	1.84	92.0	2.00	1.03		
Toluene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	0.0431		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.17	108	2.00	0.460		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.70	112	6.00	0.140		
Total BTX	<0.300	0.300	09/26/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	165	82.5	200	0.0703	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	174	87.0	200	1.31	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/25/2023	Sampling Date:	09/25/2023
Reported:	09/28/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: H - 6 (0-0.5') (H235213-06)

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	09/26/2023	ND	1.84	92.0	2.00	1.03	
Toluene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	0.0431	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.17	108	2.00	0.460	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.70	112	6.00	0.140	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/26/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	165	82.5	200	0.0703	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	174	87.0	200	1.31	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/25/2023	Sampling Date:	09/25/2023
Reported:	09/28/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: BG - 1 (0-0.5') (H235213-07)

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	09/26/2023	ND	1.84	92.0	2.00	1.03	
Toluene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	0.0431	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.17	108	2.00	0.460	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.70	112	6.00	0.140	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/26/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	165	82.5	200	0.0703	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	174	87.0	200	1.31	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 4235213

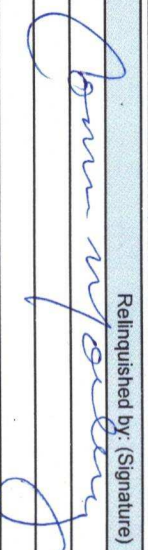
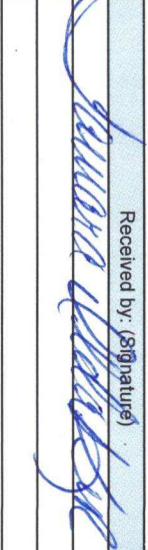
Page 1 of 1

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

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

Project Name:	Glacier Federal Com 001H (08.25.23)	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2150																None: NO	DI Water: H ₂ O	
Project Location:	Eddy County, New Mexico	Due Date:															Cool: Cool	MeOH: Me	
Sampler's Name:	CRM																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													
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"/> M/A <input type="checkbox"/>	Correction Factor:	1.06			TPH 8015M (GRO + DRO + MRO)													
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> M/A <input type="checkbox"/>	Temperature Reading:	1.06			Chloride 4500													
Total Containers:		Corrected Temperature:																	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont												Sample Comments	
H-1 (0-0.5')	9/25/2023		X		G	1	X	X	X									01	
H-2 (0-0.5')	9/25/2023		X		G	1	X	X	X									02	
H-3 (0-0.5')	9/25/2023		X		G	1	X	X	X									03	
H-4 (0-0.5')	9/25/2023		X		G	1	X	X	X									04	
H-5 (0-0.5')	9/25/2023		X		G	1	X	X	X									05	
H-6 (0-0.5')	9/25/2023		X		G	1	X	X	X									06	
BG-1 (0-0.5')	9/25/2023		X		G	1	X	X	X									07	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9-25-23 1710		



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

November 22, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: GLACIER FEDERAL COM 001H (08.25.23)

Enclosed are the results of analyses for samples received by the laboratory on 11/21/23 8:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: CS - 1 (2.5') (H236327-01)

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	11/21/2023	ND	1.97	98.5	2.00	14.8	
Toluene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	15.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	14.8	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.08	101	6.00	14.7	
Total BTEX	<0.300	0.300	11/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	11/21/2023	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	199	99.4	200	1.03	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	180	90.1	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: CS - 2 (2.5') (H236327-02)

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	11/21/2023	ND	1.97	98.5	2.00	14.8		
Toluene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	15.0		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	14.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.08	101	6.00	14.7		
Total BTEX	<0.300	0.300	11/21/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	199	99.4	200	1.03	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	180	90.1	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: CS - 3 (2.5') (H236327-03)

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	11/21/2023	ND	1.97	98.5	2.00	14.8	
Toluene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	15.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	14.8	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.08	101	6.00	14.7	
Total BTEX	<0.300	0.300	11/21/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/21/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	199	99.4	200	1.03	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	180	90.1	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: CS - 4 (2.5') (H236327-04)

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	11/21/2023	ND	1.97	98.5	2.00	14.8		
Toluene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	15.0		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	14.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.08	101	6.00	14.7		
Total BTEX	<0.300	0.300	11/21/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	199	99.4	200	1.03	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	180	90.1	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.1 % 49.1-148

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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: CS - 5 (2.5') (H236327-05)

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	11/21/2023	ND	1.97	98.5	2.00	14.8		
Toluene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	15.0		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	14.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.08	101	6.00	14.7		
Total BTEX	<0.300	0.300	11/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	199	99.4	200	1.03	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	180	90.1	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 69.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.7 % 49.1-148

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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: CS - 6 (2.5') (H236327-06)

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	11/21/2023	ND	1.97	98.5	2.00	14.8		
Toluene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	15.0		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	14.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.08	101	6.00	14.7		
Total BTEX	<0.300	0.300	11/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	199	99.4	200	1.03	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	180	90.1	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.4 % 49.1-148

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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: CS - 7 (2.5') (H236327-07)

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	11/21/2023	ND	1.97	98.5	2.00	14.8	
Toluene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	15.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	14.8	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.08	101	6.00	14.7	
Total BTX	<0.300	0.300	11/21/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/21/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	199	99.4	200	1.03	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	180	90.1	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 49.1-148

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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: CS - 8 (2.5') (H236327-08)

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	11/21/2023	ND	1.97	98.5	2.00	14.8		
Toluene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	15.0		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	14.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.08	101	6.00	14.7		
Total BTEX	<0.300	0.300	11/21/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	199	99.4	200	1.03	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	180	90.1	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: CS - 9 (2.5') (H236327-09)

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	11/21/2023	ND	1.97	98.5	2.00	14.8	
Toluene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	15.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	14.8	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.08	101	6.00	14.7	
Total BTEX	<0.300	0.300	11/21/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/21/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	199	99.4	200	1.03	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	180	90.1	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: CS - 10 (2.5') (H236327-10)

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	11/21/2023	ND	1.97	98.5	2.00	14.8	
Toluene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	15.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	14.8	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.08	101	6.00	14.7	
Total BTX	<0.300	0.300	11/21/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/21/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	199	99.4	200	1.03	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	180	90.1	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 49.1-148

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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 1 (2.5') (H236327-11)

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	11/21/2023	ND	1.97	98.5	2.00	14.8		
Toluene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	15.0		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	14.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.08	101	6.00	14.7		
Total BTEX	<0.300	0.300	11/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	199	99.4	200	1.03	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	180	90.1	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.0 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 2 (2.5') (H236327-12)

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	11/21/2023	ND	1.97	98.5	2.00	14.8	
Toluene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	15.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	14.8	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.08	101	6.00	14.7	
Total BTEX	<0.300	0.300	11/21/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	199	99.4	200	1.03	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	180	90.1	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 3 (2.5') (H236327-13)

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	11/21/2023	ND	1.97	98.5	2.00	14.8		
Toluene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	15.0		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	14.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.08	101	6.00	14.7		
Total BTEX	<0.300	0.300	11/21/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	199	99.4	200	1.03	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	180	90.1	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.1 % 49.1-148

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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 4 (2.5') (H236327-14)

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	11/21/2023	ND	1.97	98.5	2.00	14.8		
Toluene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	15.0		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	14.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.08	101	6.00	14.7		
Total BTEX	<0.300	0.300	11/21/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	199	99.4	200	1.03	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	180	90.1	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 5 (2.5') (H236327-15)

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	11/21/2023	ND	1.97	98.5	2.00	14.8	
Toluene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	15.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	14.8	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.08	101	6.00	14.7	
Total BTEX	<0.300	0.300	11/21/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	199	99.4	200	1.03	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	180	90.1	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.9 % 49.1-148

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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 6 (2.5') (H236327-16)

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	11/21/2023	ND	1.97	98.5	2.00	14.8		
Toluene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	15.0		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	14.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.08	101	6.00	14.7		
Total BTEx	<0.300	0.300	11/21/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	199	99.4	200	1.03	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	180	90.1	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 49.1-148

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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 7 (2.5') (H236327-17)

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	11/21/2023	ND	1.97	98.5	2.00	14.8		
Toluene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	15.0		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	14.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.08	101	6.00	14.7		
Total BTEx	<0.300	0.300	11/21/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	235	117	200	4.70	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	235	118	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 8 (2.5') (H236327-18)

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	11/21/2023	ND	1.97	98.5	2.00	14.8		
Toluene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	15.0		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	14.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.08	101	6.00	14.7		
Total BTEX	<0.300	0.300	11/21/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	235	117	200	4.70	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	235	118	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 9 (2.5') (H236327-19)

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	11/21/2023	ND	1.97	98.5	2.00	14.8	
Toluene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	15.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	14.8	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.08	101	6.00	14.7	
Total BTEX	<0.300	0.300	11/21/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/21/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	235	117	200	4.70	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	235	118	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 10 (2.5') (H236327-20)

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	11/21/2023	ND	1.97	98.5	2.00	14.8	
Toluene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	15.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.04	102	2.00	14.8	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.08	101	6.00	14.7	
Total BTEX	<0.300	0.300	11/21/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	235	117	200	4.70		
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	235	118	200	6.08		
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND						

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 11 (2.5') (H236327-21)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.96	98.2	2.00	2.11	
Toluene*	<0.050	0.050	11/21/2023	ND	2.09	105	2.00	6.39	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.25	112	2.00	8.40	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.88	115	6.00	8.82	
Total BTEX	<0.300	0.300	11/21/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/21/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	235	117	200	4.70	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	235	118	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 12 (2.5') (H236327-22)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.96	98.2	2.00	2.11	
Toluene*	<0.050	0.050	11/21/2023	ND	2.09	105	2.00	6.39	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.25	112	2.00	8.40	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.88	115	6.00	8.82	
Total BTEX	<0.300	0.300	11/21/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	235	117	200	4.70	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	235	118	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 13 (2.5') (H236327-23)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.96	98.2	2.00	2.11	
Toluene*	<0.050	0.050	11/21/2023	ND	2.09	105	2.00	6.39	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.25	112	2.00	8.40	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.88	115	6.00	8.82	
Total BTEX	<0.300	0.300	11/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	235	117	200	4.70	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	235	118	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 14 (2.5') (H236327-24)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.96	98.2	2.00	2.11	
Toluene*	<0.050	0.050	11/21/2023	ND	2.09	105	2.00	6.39	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.25	112	2.00	8.40	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.88	115	6.00	8.82	
Total BTEX	<0.300	0.300	11/21/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	235	117	200	4.70	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	235	118	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 15 (2.5') (H236327-25)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2023	ND	1.96	98.2	2.00	2.11		
Toluene*	<0.050	0.050	11/21/2023	ND	2.09	105	2.00	6.39		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.25	112	2.00	8.40		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.88	115	6.00	8.82		
Total BTEx	<0.300	0.300	11/21/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/21/2023	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	11/21/2023	ND	235	117	200	4.70	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	235	118	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 16 (2.5') (H236327-26)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.96	98.2	2.00	2.11	
Toluene*	<0.050	0.050	11/21/2023	ND	2.09	105	2.00	6.39	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.25	112	2.00	8.40	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.88	115	6.00	8.82	
Total BTX	<0.300	0.300	11/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	11/21/2023	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	11/21/2023	ND	235	117	200	4.70	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	235	118	200	6.08	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

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

Received:	11/21/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	GLACIER FEDERAL COM 001H (08.25.23)	Sampling Condition:	Cool & Intact
Project Number:	2150	Sample Received By:	Shari Cisneros
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 17 (2.5') (H236327-27)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.96	98.2	2.00	2.11	
Toluene*	<0.050	0.050	11/21/2023	ND	2.09	105	2.00	6.39	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.25	112	2.00	8.40	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.88	115	6.00	8.82	
Total BTEX	<0.300	0.300	11/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	11/21/2023	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	11/21/2023	ND	235	117	200	4.70		
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	235	118	200	6.08		
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND						

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
 Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H236327Page 1 of 3

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

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

Project Name:	Glacier Federal Com 001H (08.25.23)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2150																None: NO DI Water: H ₂ O		
Project Location:	Eddy County, New Mexico	Due Date:															Cool: Cool Me		
Sampler's Name:	JR																HCL: HC HNO ₃ : HN		
PO #:		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	24 hrs													H ₂ SO ₄ : H ₂ NaOH: Na	
SAMPLE RECEIPT																		H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	#140															NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:																Na ₂ S ₂ O ₅ : NaSO ₃	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	-0.4															Zn Acetate+NaOH: Zn	
Total Containers:	27	Corrected Temperature:																NaOH+Ascorbic Acid: SPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST												Sample Comments
CS-1 (2.5')	11/20/2023		X		C	1	X	X	X										
CS-2 (2.5')	11/20/2023		X		C	1	X	X	X										
CS-3 (2.5')	11/20/2023		X		C	1	X	X	X										
CS-4 (2.5')	11/20/2023		X		C	1	X	X	X										
CS-5 (2.5')	11/20/2023		X		C	1	X	X	X										
CS-6 (2.5')	11/20/2023		X		C	1	X	X	X										
CS-7 (2.5')	11/20/2023		X		C	1	X	X	X										
CS-8 (2.5')	11/20/2023		X		C	1	X	X	X										
CS-9 (2.5')	11/20/2023		X		C	1	X	X	X										
CS-10 (2.5')	11/20/2023		X		C	1	X	X	X										

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	11/21/23	Shou Cui	11/21/23 8:00am

Chain of Custody

Work Order No: H236327

Page 2 of 3

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

Work Order Comments

Program: UST/PST ☐ RRP ☐ Brownfields ☐ IRC ☐ Iperfund ☐



State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other: _____

ANALYSIS REQUEST											Preservative Codes	
Project Name:		Glacier Federal Com 001H (08.25.23)		Turn Around		Pres. Code		None: NO		DI Water: H ₂ O		
Project Number:		2150		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush				Cool: Cool		MeOH: Me		
Project Location		Eddy County, New Mexico		Due Date:				HCL: HC		HNO ₃ : HN		
Sampler's Name:		JR		24 hrs				H ₂ SO ₄ : H ₂		NaOH: Na		
PO #:				Yes (No)				H ₃ PO ₄ : HP				
SAMPLE RECEIPT				Temp Blank:	Yes (No)	Wet Ice:	Yes (No)					
Received Inact:				Yes (No)	Thermometer ID:	#140		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:	-0.4		Zn Acetate+NaOH: Zn				
Total Containers:				27	Corrected Temperature:			NaOH+Ascorbic Acid: SAsPC				
Sample Identification			Date	Time	Soil	Water	Grab/ Comp	# of Cont				
SW-1 (2.5')			11/20/2023		X		C	1	X	X	X	
SW-2 (2.5')			11/20/2023		X		C	1	X	X	X	
SW-3 (2.5')			11/20/2023		X		C	1	X	X	X	
SW-4 (2.5')			11/20/2023		X		C	1	X	X	X	
SW-5 (2.5')			11/20/2023		X		C	1	X	X	X	
SW-6 (2.5')			11/20/2023		X		C	1	X	X	X	
SW-7 (2.5')			11/20/2023		X		C	1	X	X	X	
SW-8 (2.5')			11/20/2023		X		C	1	X	X	X	
SW-9 (2.5')			11/20/2023		X		C	1	X	X	X	
SW-10 (2.5')			11/20/2023		X		C	1	X	X	X	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	11/21/23		11/21/23 8:00

Chain of Custody

Work Order No: H236327


Page 3 of 3

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

Work Order Comments					
Program: UST/PST	<input type="checkbox"/> RP	<input type="checkbox"/> Brownfields	<input type="checkbox"/> RC	<input type="checkbox"/> Impound	<input type="checkbox"/>
State of Project:					
Reporting Level II	<input type="checkbox"/>	Level III	<input type="checkbox"/>	UST/UST	<input type="checkbox"/> RP
Deliverables: EDD	<input type="checkbox"/>	Adapt	<input type="checkbox"/>	Other:	<input type="checkbox"/>

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	11/21/23	Shaw Cinema	11/21/23 8:20

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS
Action 306928

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 306928
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2325743880
Incident Name	NAPP2325743880 GLACIER FEDERAL COM 001H @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2203933007] Glacier Fed Com 1H - RT BTTY

Location of Release Source	
Please answer all the questions in this group.	
Site Name	GLACIER FEDERAL COM 001H
Date Release Discovered	08/25/2023
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 10 BBL Recovered: 0 BBL Lost: 10 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 306928

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 306928
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 01/23/2024

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QUESTIONS, Page 3

Action 306928

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	306928
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

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

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

Chloride	(EPA 300.0 or SM4500 Cl B)	4500
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	8015
GRO+DRO	(EPA SW-846 Method 8015M)	8021
BTEX	(EPA SW-846 Method 8021B or 8260B)	8021
Benzene	(EPA SW-846 Method 8021B or 8260B)	8021

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

On what estimated date will the remediation commence	11/16/2023
On what date will (or did) the final sampling or liner inspection occur	11/20/2023
On what date will (or was) the remediation complete(d)	11/20/2023
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	2561
What is the estimated volume (in cubic yards) that will be remediated	266

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

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

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QUESTIONS, Page 4
Action 306928

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 306928
	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	Glacier Fed Com 1H - RT BTTY [fAPP2203933007]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 01/23/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 306928

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 306928
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 306928

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	306928
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	306940
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/25/2023
What was the (estimated) number of samples that were to be gathered	4
What was the sampling surface area in square feet	0

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	266
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)	none

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 01/23/2024
--	---

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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 7

Action 306928

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 306928
	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

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

Action 306928

CONDITIONS

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	Action Number: 306928
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2325743880 GLACIER FEDERAL COM 001H, thank you. This Remediation Closure Report is approved.	4/2/2024