

CARMONA RESOURCES



SITE INFORMATION

Work Plan
Diamond 34 Federal #002
Lea County, New Mexico
Incident ID: NAPP2502933209
Unit B Sec 34 T23S R32E
32.266410°, -103.660400°

Crude Oil & Produced Water Release
Point of Release: Blow Out
Release Date: 01/28/2025
Volume Released: 1,600 barrels of Crude Oil
Volume Recovered: 990 barrels of Crude Oil
Volume Released: 200 barrels of Produced Water
Volume Recovered: 110 barrels of Produced Water

CARMONA RESOURCES



Prepared for:
EOG Resources, Inc
5509 Champions Dr.
Midland, TX 79706

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

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



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March 7, 2025

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

Re: Work Plan
Diamond 34 Federal #002
EOG Resources, Inc
Incident # NAPP2502933209
Site Location: Unit B, S34, T23S, R32E
(Lat 32.266410°, Long -103.660400°)
Lea County, New Mexico

To whom it may concern:

On behalf of EOG Resources, Inc (EOG), Carmona Resources, LLC has prepared this letter to document site activities for the Diamond 34 Federal #002. The site is located at 32.266410°, -103.660400° within Unit B, S34, T23S, R32E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on January 28, 2025, due to a blowout from the facility equipment. It resulted in the release of one thousand six hundred (1,600) barrels of crude oil and two hundred (200) barrels of produced water on the pad and in the pasture. Approximately nine hundred ninety (990) barrels of crude oil and one hundred ten (110) barrels of produced water were recovered. Refer to Figure 3. The Notification of Release form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, one known water source is within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.46 miles Southwest of the site in S34, T23S, R32E and was drilled in 2023. The well has a reported depth to groundwater of 80' below 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: 1,000 mg/kg (GRO + DRO).
- TPH: 2,500 mg/kg (GRO+ DRO + MRO).
- Chloride: 10,000 mg/kg.

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



4.0 Site Assessment Activities

Initial Assessment

On February 18, 2025, Carmona Resources, LLC was onsite to perform an initial assessment to evaluate soil impacts stemming from the release. A total of nine (9) sample points (S-1 through S-9) and nine (9) horizontal samples (H-1 through H-9) were advanced to depths ranging from the surface to 4' bgs within and surrounding the release to assess the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. See Table 1 for the analytical results.

5.0 Proposed Work Plan

Based on the analytical data of the detected TPH and chloride concentrations, EOG proposes to remediate the areas shown in Figure 4 and highlighted (blue) in Table 1.

- The areas of S-5 will be excavated to a depth of 3' below the surface and backfilled with clean material to surface grade.
- Per the NMOCD regulatory criteria established in 19.15.29.13 NMAC, the following intervals will be tested for the area of S-6: 1.5', 2', 3' and 4' bgs.
- The area of S-6 will be excavated to a depth of 4.0' below the surface, or until the area is below regulatory limits for TPH and chloride concentrations, and backfilled with clean material to surface grade.
- The areas of S-7 and S-9 will be excavated to a depth of 4.5' below the surface and backfilled with clean material to surface grade.
- The area of H-4 will be resampled and tested to ensure horizontal bounding of the release.
- An estimated 5,000 cubic yards will be removed and hauled to the nearest disposal based on the maximum depth.
- A variance is requested per 19.15.29.14. A NMAC, Five-point composite bottom floor hole, and sidewall samples will be collected every 400 square feet to represent the release area.
- Once the site activities and excavation are complete, the areas will be backfilled with clean material to surface grade and the areas of S-7 and S-9 will be reseeded with BLM Seed Mix



#2. The seed mixture will be spread by a drill equipped with a depth regulator or a hand-held broadcaster and raked. If a hand-held broadcaster is used for dispersal, the pounds of pure live seed per acre will be doubled. Site inspections will assess the revegetation progress and evaluate the site for primary or secondary noxious weeds. If noxious weeds are identified, the BLM will be contacted to determine an effective eradication method. If the site does not show revegetation after one growing season, the area will be reseeded as appropriate. Approximately 0.16 acres of pastureland will be reclaimed and seeded accordingly. See Appendix F for soil survey and seed mixture. The remediation will be implemented 90 days after the work plan is approved.

- Impacted soil around oil and gas equipment, structures, or lines may not be removed during remediation activities due to safety concerns for the onsite personnel. However, EOG Resources will excavate the impacted soil to the maximum extent possible.

6.0 Conclusions

Upon completion, a final closure report describing the remediation activities will be presented to the New Mexico Oil Conservation Division (NMOCD). If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

Mike Carmona
Environmental Manager

Ivan Ramos
Project Manager

FIGURES

CARMONA RESOURCES



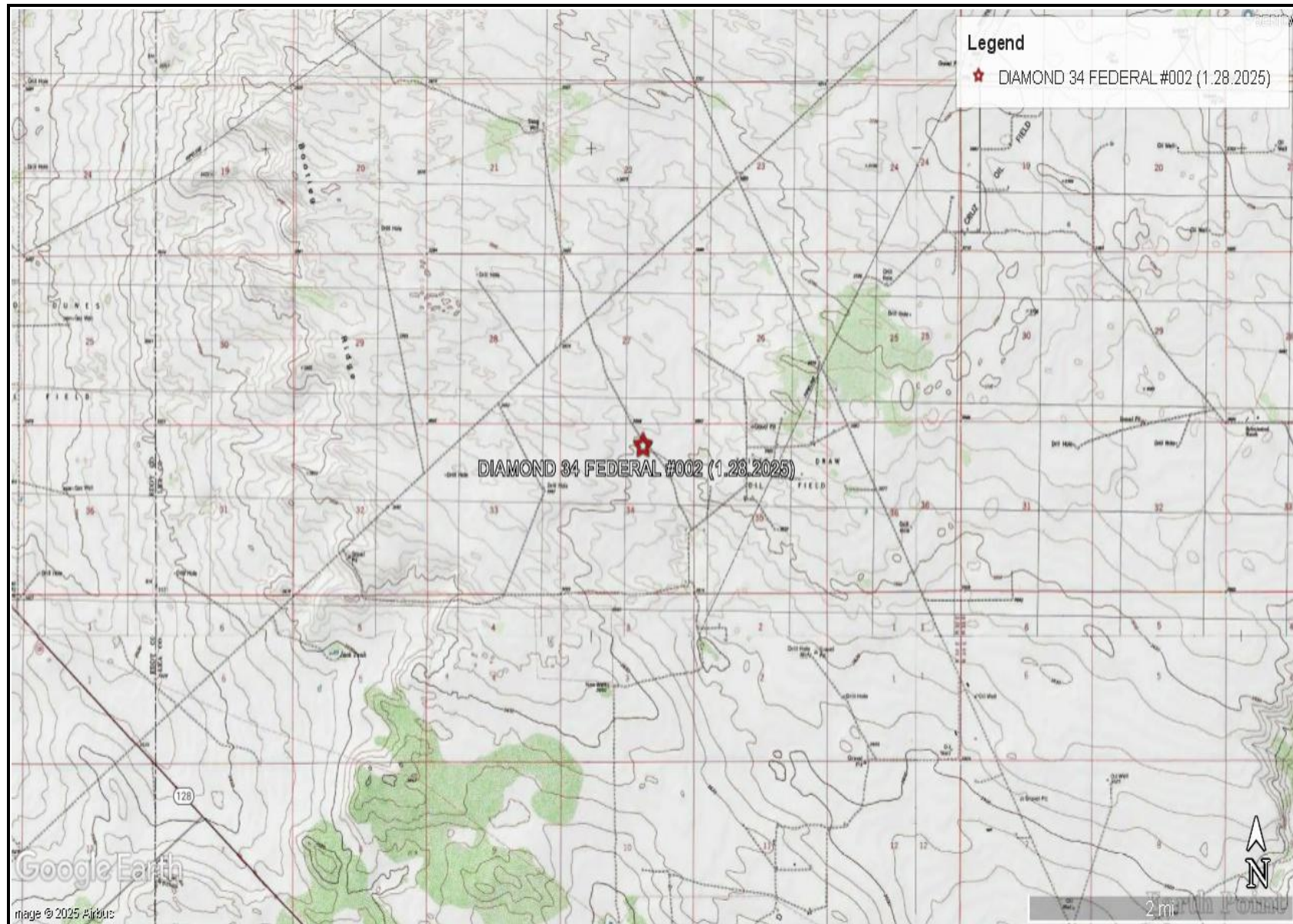


OVERVIEW MAP
EOG RESOURCES
DIAMOND 34 FEDERAL #002
LEA COUNTY, NEW MEXICO
32.266410°, -103.660400°

CARMONA RESOURCES



FIGURE 1



TOPOGRAPHIC MAP
EOG RESOURCES
DIAMOND 34 FEDERAL #002
LEA COUNTY, NEW MEXICO
32.266410°, -103.660400°

CARMONA RESOURCES



FIGURE 2



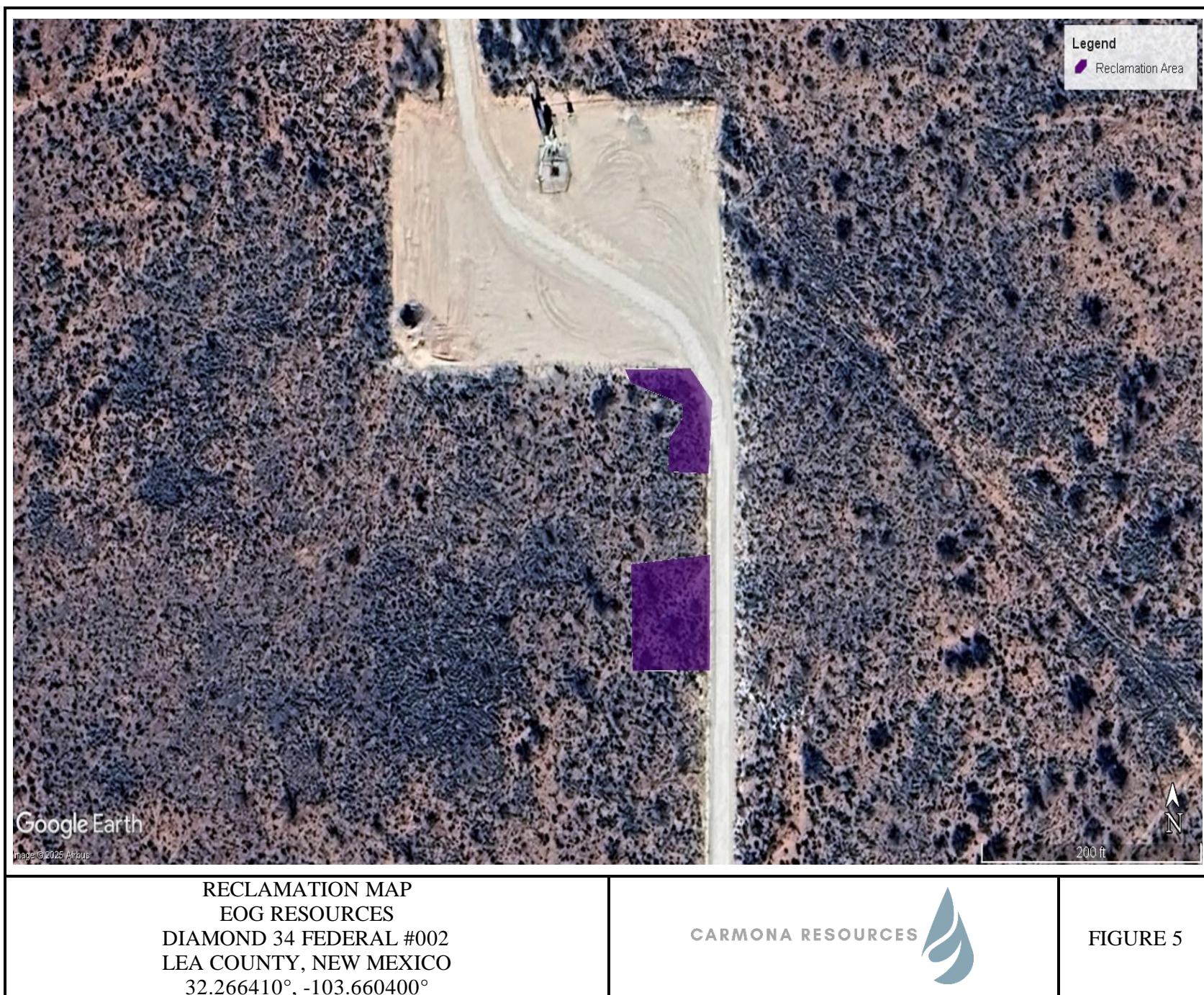


PROPOSED EXCAVATION DEPTH MAP
EOG RESOURCES
DIAMOND 34 FEDERAL #002
LEA COUNTY, NEW MEXICO
32.266410°, -103.660400°

CARMONA RESOURCES



FIGURE 4



APPENDIX A

CARMONA RESOURCES



Table 1
EOG Resources
Diamond 34 Federal #002
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	2/18/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
S-2	2/18/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
S-3	2/18/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
S-4	2/18/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
	"	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
S-5	2/18/2025	0-1'	<10.0	24.1	<10.0	24.1	<0.050	<0.050	<0.050	<0.150	<0.300	528
	"	1.5'	<10.0	172	13.2	185.2	<0.050	0.050	0.056	0.401	0.506	1,200
	"	2'	<10.0	152	14.1	166.1	<0.050	<0.050	0.050	0.356	0.406	768
	"	3'	<10.0	39.5	<10.0	39.5	<0.050	<0.050	<0.050	<0.150	<0.300	320
	"	4'	<10.0	48.8	<10.0	48.8	<0.050	<0.050	<0.050	<0.150	<0.300	320
S-6	2/18/2025	0-1'	205	2,030	372	2,607	<0.050	0.175	0.569	4.38	5.13	5,500
Dense Geological Formation												
S-7	2/18/2025	0-1'	97.1	1,140	220	1,457.1	<0.050	0.225	0.549	4.06	4.84	1,390
	"	1.5'	<10.0	217	24.6	241.6	<0.050	<0.050	<0.050	<0.150	<0.300	608
	"	2'	<10.0	244	26.3	270.3	<0.050	<0.050	<0.050	0.166	<0.300	448
	"	3'	<10.0	138	10.4	148.4	<0.050	<0.050	<0.050	<0.150	<0.300	128
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 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

— Proposed Excavation

Table 1
EOG Resources
Diamond 34 Federal #002
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-8	2/18/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
S-9	2/18/2025	0-1'	1,430	3,880	519	5,829	5.38	56.8	21.1	107	191	6,240
	"	1.5'	22.9	300	57.7	380.6	<0.050	0.087	0.117	0.833	1.04	5,330
	"	2'	13.3	197	24.5	234.8	<0.050	<0.050	0.056	0.407	0.463	5,600
	"	3'	22.4	318	35.1	375.5	<0.050	0.059	0.120	0.965	1.14	672
	"	4'	<10.0	119	14.0	133	<0.050	<0.050	<0.050	<0.150	<0.300	1,200
H-1	2/18/2025	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	2/18/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
H-3	2/18/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-4	2/18/2025	0-0.5'	<10.0	90.6	13.3	103.9	<0.050	<0.050	<0.050	<0.150	<0.300	176.0
H-5	2/18/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
H-6	2/18/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-7	2/18/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
H-8	2/18/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
H-9	2/18/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 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

(H) Horizontal Sample

— Proposed Excavation

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 1

Facility: Diamond 34 Federal #002
(01.28.2025)

County: Lea County, New Mexico

Description:

View North, area of S-1.

**Photograph No. 2**

Facility: Diamond 34 Federal #002
(01.28.2025)

County: Lea County, New Mexico

Description:

View East, area of S-2.

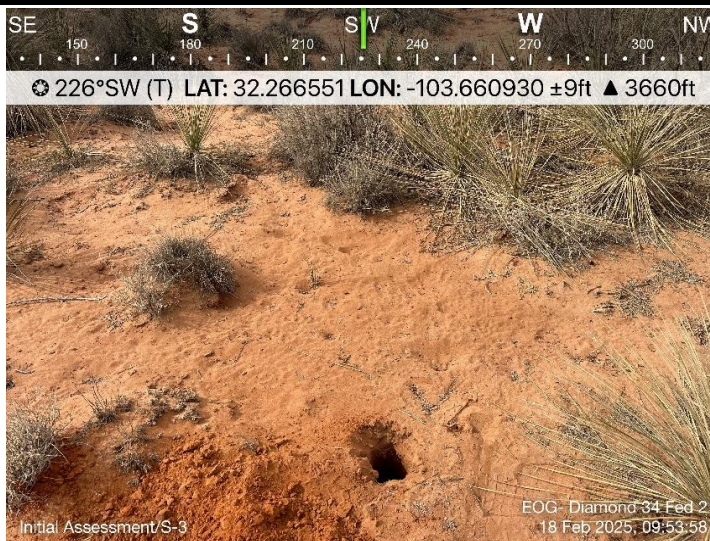
**Photograph No. 3**

Facility: Diamond 34 Federal #002
(01.28.2025)

County: Lea County, New Mexico

Description:

View Southwest, area of S-3.



PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 4

Facility: Diamond 34 Federal #002
(01.28.2025)

County: Lea County, New Mexico

Description:

View Southwest, area of S-4.

**Photograph No. 5**

Facility: Diamond 34 Federal #002
(01.28.2025)

County: Lea County, New Mexico

Description:

View Northwest, area of S-5.

**Photograph No. 6**

Facility: Diamond 34 Federal #002
(01.28.2025)

County: Lea County, New Mexico

Description:

View Northwest, area of S-6



PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 7

Facility: Diamond 34 Federal #002
(01.28.2025)

County: Lea County, New Mexico

Description:

View Southwest, area of S-7.

**Photograph No. 8**

Facility: Diamond 34 Federal #002
(01.28.2025)

County: Lea County, New Mexico

Description:

View West, area of S-8.

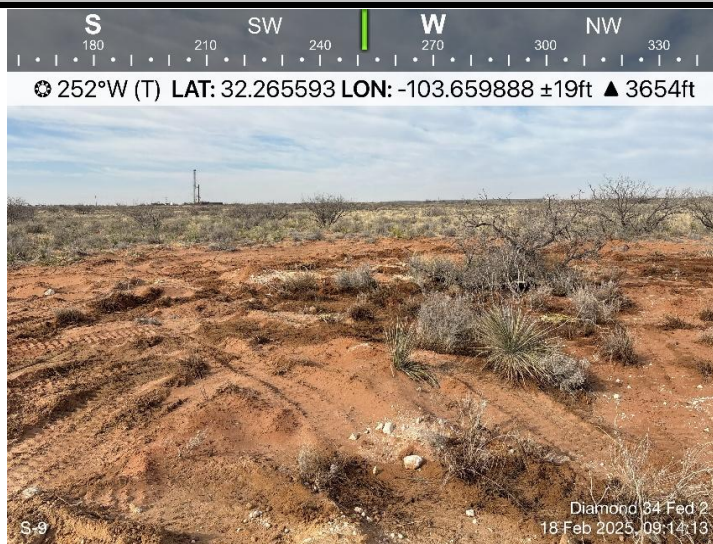
**Photograph No. 9**

Facility: Diamond 34 Federal #002
(01.28.2025)

County: Lea County, New Mexico

Description:

View West, area of S-9.



APPENDIX C

CARMONA RESOURCES



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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 426065

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 426065
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Diamond 34 Federal #002
Date Release Discovered	01/28/2025
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Blow Out Well Crude Oil Released: 1,600 BBL Recovered: 990 BBL Lost: 610 BBL.
Produced Water Released (bbls) Details	Cause: Blow Out Well Produced Water Released: 200 BBL Recovered: 110 BBL Lost: 90 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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.

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

General Information
Phone: (505) 629-6116

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

QUESTIONS, Page 2

Action 426065

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 426065
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

Initial Response

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

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

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

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

ACKNOWLEDGMENTS

Action 426065

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 426065
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

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

CONDITIONS

Action 426065

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 426065
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jameskennedy	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	1/29/2025

***** LIQUID SPILLS - VOLUME CALCULATIONS *****

Location of spill: Diamond 34 Fed #002

Date of Spill: 1/28/2025

If the leak/spill is associated with production equipment, i.e. - wellhead, stuffing box,
flowline, tank battery, production vessel, transfer pump, or storage tank place an "X" here: ☒

Input Data:

If spill volumes from measurement, i.e. metering, tank volumes, etc. are known enter the volumes here: OIL: 0.0000 BBL WATER: 0.0000 BBL

If "known" spill volumes are given, input data for the following "Area Calculations" is optional. The above will override the calculated volumes.

Total Area Calculations						Standing Liquid Calculations					
Total Surface Area	width	length	wet soil depth	oil (%)		Standing Liquid Area	width	length	liquid depth	oil (%)	
Rectangle Area #1	330 ft X	295 ft X	12.00 in	90%		Rectangle Area #1	0 ft X	0 ft X	0 in	0%	
Rectangle Area #2	205 ft X	140 ft X	12.00 in	90%		Rectangle Area #2	0 ft X	0 ft X	0 in	0%	
Rectangle Area #3	0 ft X	0 ft X	0.00 in	0%		Rectangle Area #3	0 ft X	0 ft X	0 in	0%	
Rectangle Area #4	0 ft X	0 ft X	0.00 in	0%		Rectangle Area #4	0 ft X	0 ft X	0 in	0%	
Rectangle Area #5	0 ft X	0 ft X	0.00 in	0%		Rectangle Area #5	0 ft X	0 ft X	0 in	0%	
Rectangle Area #6	0 ft X	0 ft X	0.00 in	0%		Rectangle Area #6	0 ft X	0 ft X	0 in	0%	
Rectangle Area #7	0 ft X	0 ft X	0.00 in	0%		Rectangle Area #7	0 ft X	0 ft X	0 in	0%	
Rectangle Area #8	0 ft X	0 ft X	0.00 in	0%		Rectangle Area #8	0 ft X	0 ft X	0 in	0%	

okay

production system leak - DAILY PRODUCTION DATA REQUIRED

Average Daily Production: Oil BBL Water 0 BBL

Did leak occur before the separator?: ☐ YES ☒ N/A (place an "X")

Amount of Free Liquid Recovered: 1100 BBL okay

Percentage of Oil in Free Liquid Recovered: 90% (percentage)

Liquid holding factor *: 0.08 gal per gal

Use the following when the spill wets the grains of the soil:

* sand = .08 gallon liquid per gallon volume of soil.
* gravelly (caliche) loam = .14 gallon liquid per gallon volume of soil.
* sandy clay loam soil = .14 gallon liquid per gallon volume of soil.
* clay loam = .16 gallon liquid per gallon volume of soil.

Use the following when the liquid completely fills the pore space of the soil:

Occurs when the spill soaked soil is contained by barriers, natural (or not).
* gravelly (caliche) loam = .25 gallon liquid per gallon volume of soil.
* sandy loam = .5 gallon liquid per gallon volume of soil.

Saturated Soil Volume Calculations:

Total Solid/Liquid Volume: 126,050 sq. ft. H2O 12,605 cu. ft. OIL 113,445 cu. ft.

Estimated Volumes Spilled

Liquid in Soil: 179.6 BBL 1616.3 BBL
Free Liquid: 0.0 BBL 0.0 BBL
Totals: 179.591 BBL 1616.321 BBL

Total Liquid Spill Liquid: 179.591 BBL 1616.321 BBL

Recovered Volumes

Estimated oil recovered: 990.0 BBL check - okay
Estimated water recovered: 110.0 BBL check - okay

Free Liquid Volume Calculations:

Total Free Liquid Volume: sq. ft. H2O .000 cu. ft. OIL .000 cu. ft.

Estimated Production Volumes Lost

Estimated Production Spilled: 0.000000 BBL 0.000000 BBL

Estimated Surface Damage

Surface Area: 126,050 sq. ft.
Surface Area: 2.8937 acre

Estimated Weights, and Volumes

Saturated Soil = 14,117,600 lbs 126,050 cu.ft. 4,669 cu.yds.
Total Liquid = 1,796 BBL 75,428.32 gallon 627,564 lbs

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 426128

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 426128
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2502933209
Incident Name	NAPP2502933209 DIAMOND 34 FEDERAL #002 @ 30-025-33112
Incident Type	Blow Out
Incident Status	Initial C-141 Received
Incident Well	[30-025-33112] DIAMOND 34 FEDERAL #002

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Diamond 34 Federal #002
Date Release Discovered	01/28/2025
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Blow Out Well Crude Oil Released: 1,600 BBL Recovered: 990 BBL Lost: 610 BBL.
Produced Water Released (bbls) Details	Cause: Blow Out Well Produced Water Released: 200 BBL Recovered: 110 BBL Lost: 90 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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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Santa Fe, NM 87505

QUESTIONS, Page 2

Action 426128

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 426128
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: James Kennedy Title: Safety and Environmental Doecialist Email: James_kennedy@eogresources.com Date: 01/29/2025
--	--

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Phone: (505) 476-3441

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 3

Action 426128

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 426128
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

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

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

CONDITIONS

Action 426128

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 426128
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	1/30/2025

APPENDIX D

CARMONA RESOURCES

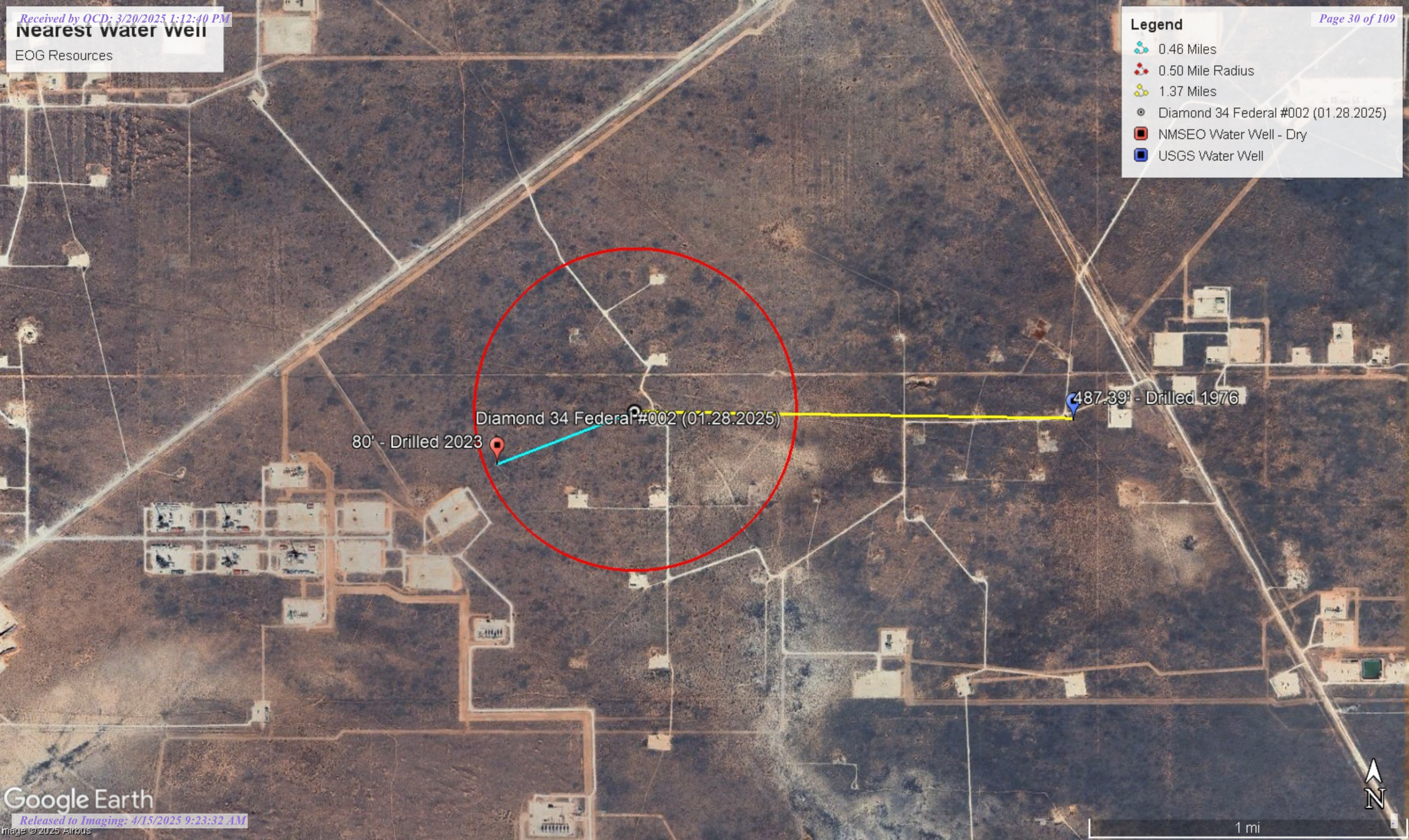


Nearest water well

EOG Resources

Legend



- 0.46 Miles
- 0.50 Mile Radius
- 1.37 Miles
- Diamond 34 Federal #002 (01.28.2025)
- NMSEO Water Well - Dry
- USGS Water Well



Low Karst

EOG Resources

Legend

-  Diamond 34 Federal #002 (01.28.2025)
-  Low

Diamond 34 Federal #002 (01.28.2025)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 04780 POD1		CUB	LE	NW	SW	NW	34	23S	32E	625363.6	3570521.7		745	80		
C 03527 POD1		C	LE	NW	NE	SW	03	24S	32E	625769.7	3568487.2		2328	500		
C 02216		CUB	LE	NE	NE	SE	21	23S	32E	625035.0	3573261.0 *		2666	585	400	185
C 03529 POD1		C	LE	NE	SE	SW	29	23S	32E	622651.2	3571212.5		3429	550		
C 03555 POD1		C	LE	NE	NE	NW	05	24S	32E	622748.5	3569233.6		3658	600	380	220
C 03851 POD1		CUB	LE	SW	SW	SE	20	23S	32E	622879.6	3572660.0		3681	1392	713	679

Average Depth to Water: **497 feet**

Minimum Depth: **380 feet**

Maximum Depth: **713 feet**

Record Count: 6

UTM Filters (in meters):

Easting: 626056.00

Northing: 3570798.00

Radius: 4000

* UTM location was derived from PLSS - see Help

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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-04780 POD1		WELL TAG ID NO.		OSE FILE NO(S). C-04780 POD1		
	WELL OWNER NAME(S) EOG Resources				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS 5509 Champions Dr				CITY Midland	STATE TX	
					ZIP 79705		
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 15	SECONDS 51.8862	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LATITUDE			N		
		LONGITUDE	-103	40	8.3748	W	* DATUM REQUIRED: WGS 84
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE							
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1706		NAME OF LICENSED DRILLER Bryce Wallace			NAME OF WELL DRILLING COMPANY Elite Drillers Corporation	
	DRILLING STARTED 10/27/23	DRILLING ENDED 10/27/23	DEPTH OF COMPLETED WELL (FT) 80	BORE HOLE DEPTH (FT) 80	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED N/A	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:						
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches) 6	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) N/A	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches) 6	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL N/A		AMOUNT (cubic feet)	


FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-04780	POD NO. 1	TRN NO. 751921
LOCATION 23S. 32E. 34. 131	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	5	5	RED SAND/CALICHE	Y ✓ N	
	5	10	5	RED TAN SAND	Y ✓ N	
	10	15	5	RED TAN SAND W/ CALICHE	Y ✓ N	
	15	20	5	CALICHE W/ TAN SAND	Y ✓ N	
	20	25	5	RED TAN SAND W/ CALICHE	Y ✓ N	
	25	35	5	TAN SAND/SMALL CALICHE ROCK	Y ✓ N	
	35	80	45	TAN/RED SAND W/ SMALL CALICHE ROCK	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:	
	<div style="text-align: right;">05E DIT NOV 7 2023 PM 1:38</div>	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:		

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Bryce Wallace 11/01/23 DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-04780	POD NO. 1	TRN NO. 751921
LOCATION 235.32E.34.131		WELL TAG ID NO. PAGE 2 OF 2

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 751921
File Nbr: C 04780
Well File Nbr: C 04780 POD1

Nov. 14, 2023

BLAKE GROOMS
EOG RESOURCES
5509 CHAMPIONS DR.
MIDLAND, TX 79705

Greetings:

The above numbered permit was issued in your name on 10/11/2023.

The Well Record was received in this office on 11/07/2023, stating that it had been completed on 10/27/2023, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 10/10/2024.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "Rodolfo Chavez".

Rodolfo Chavez
(575) 622-6521

drywell



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.

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321555103381501

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

USGS 321555103381501 23S.32E.35.224111

Lea County, New Mexico
Latitude 32°15'59.0", Longitude 103°38'17.6" NAD83
Land-surface elevation 3,678.00 feet above NGVD29
The depth of the well is 700 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1976-12-08			D	62610	3190.61	NGVD29	P	Z		
1976-12-08			D	62611	3192.34	NAVD88	P	Z		
1976-12-08			D	72019	487.39		P	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	P	Pumping

Section	Code	Description
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.

[Questions or Comments](#)
[Help](#)
[Data Tips](#)
[Explanation of terms](#)
[Subscribe for system changes](#)

[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)
[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?>



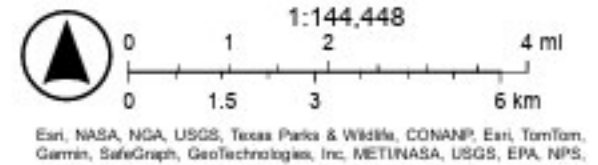
Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2025-02-18 15:53:00 EST
0.32 0.23 nadww02

Diamond 34 Federal #002 (01.28.2025)



2/18/2025

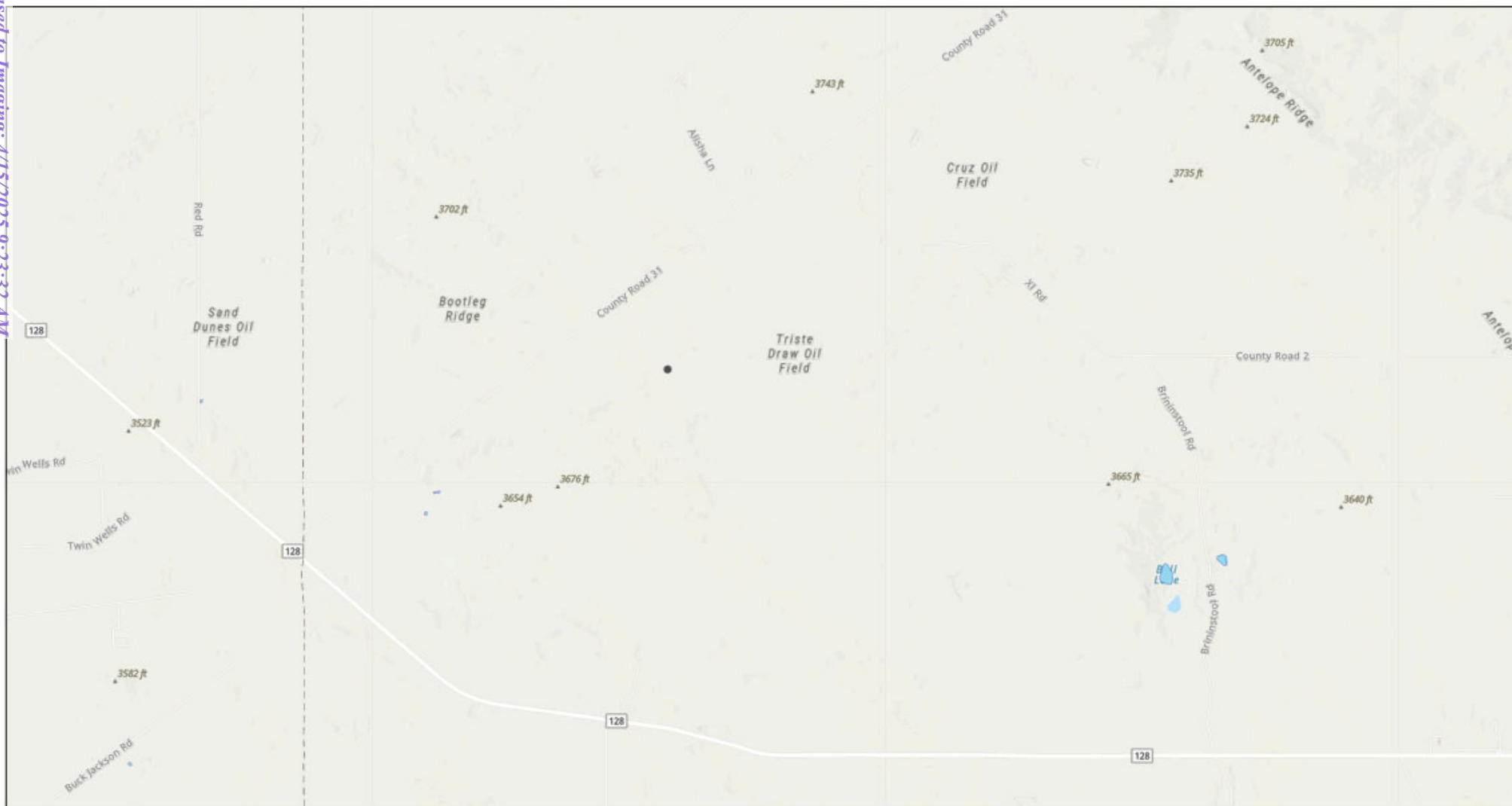
World Hillshade



Diamond 34 Federal #002 (01.28.2025)

Released to Imaging: 4/15/2025 9:23:32 AM

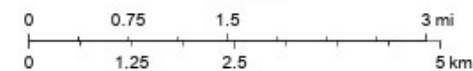
Received by OCD: 3/20/2025 1:12:40 PM



2/18/2025, 2:46:12 PM

OSW Water Bodies

1:72,224



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

NM OCD Oil and Gas Map. <http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4001712306164de29f02fb9f8135ca75> New Mexico Oil Conservation Division

Page 39 of 109

APPENDIX E

CARMONA RESOURCES





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

February 24, 2025

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: DIAMOND 34 FED NO.2

Enclosed are the results of analyses for samples received by the laboratory on 02/18/25 12:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 1 (0-1') (H250960-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.01	101	2.00	3.99	
Toluene*	<0.050	0.050	02/19/2025	ND	2.15	108	2.00	3.90	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.24	112	2.00	2.99	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.92	115	6.00	2.81	
Total BTEX	<0.300	0.300	02/19/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/19/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	213	106	200	2.85	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	199	99.7	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 1 (1.5') (H250960-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2025	ND	2.01	101	2.00	3.99		
Toluene*	<0.050	0.050	02/19/2025	ND	2.15	108	2.00	3.90		
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.24	112	2.00	2.99		
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.92	115	6.00	2.81		
Total BTEX	<0.300	0.300	02/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/19/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	213	106	200	2.85	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	199	99.7	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 1 (2') (H250960-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2025	ND	2.01	101	2.00	3.99		
Toluene*	<0.050	0.050	02/19/2025	ND	2.15	108	2.00	3.90		
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.24	112	2.00	2.99		
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.92	115	6.00	2.81		
Total BTEx	<0.300	0.300	02/19/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/19/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	213	106	200	2.85	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	199	99.7	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 1 (3') (H250960-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2025	ND	2.01	101	2.00	3.99		
Toluene*	<0.050	0.050	02/19/2025	ND	2.15	108	2.00	3.90		
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.24	112	2.00	2.99		
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.92	115	6.00	2.81		
Total BTEx	<0.300	0.300	02/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/19/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	213	106	200	2.85	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	199	99.7	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 1 (4') (H250960-05)

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	02/19/2025	ND	2.01	101	2.00	3.99	
Toluene*	<0.050	0.050	02/19/2025	ND	2.15	108	2.00	3.90	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.24	112	2.00	2.99	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.92	115	6.00	2.81	
Total BTX	<0.300	0.300	02/19/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	201	100	200	0.0279	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	185	92.7	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 2 (0-1') (H250960-06)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.01	101	2.00	3.99	
Toluene*	<0.050	0.050	02/19/2025	ND	2.15	108	2.00	3.90	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.24	112	2.00	2.99	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.92	115	6.00	2.81	
Total BTX	<0.300	0.300	02/19/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	201	100	200	0.0279	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	185	92.7	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 2 (1.5') (H250960-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2025	ND	2.01	101	2.00	3.99		
Toluene*	<0.050	0.050	02/19/2025	ND	2.15	108	2.00	3.90		
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.24	112	2.00	2.99		
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.92	115	6.00	2.81		
Total BTEX	<0.300	0.300	02/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/19/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	201	100	200	0.0279	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	185	92.7	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 2 (2') (H250960-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2025	ND	2.01	101	2.00	3.99		
Toluene*	<0.050	0.050	02/19/2025	ND	2.15	108	2.00	3.90		
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.24	112	2.00	2.99		
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.92	115	6.00	2.81		
Total BTEx	<0.300	0.300	02/19/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/19/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	201	100	200	0.0279	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	185	92.7	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 2 (3') (H250960-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2025	ND	2.01	101	2.00	3.99		
Toluene*	<0.050	0.050	02/19/2025	ND	2.15	108	2.00	3.90		
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.24	112	2.00	2.99		
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.92	115	6.00	2.81		
Total BTEx	<0.300	0.300	02/19/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	201	100	200	0.0279	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	185	92.7	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 2 (4') (H250960-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2025	ND	2.01	101	2.00	3.99		
Toluene*	<0.050	0.050	02/19/2025	ND	2.15	108	2.00	3.90		
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.24	112	2.00	2.99		
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.92	115	6.00	2.81		
Total BTEX	<0.300	0.300	02/19/2025	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	02/19/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	201	100	200	0.0279	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	185	92.7	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 3 (0-1') (H250960-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2025	ND	2.01	101	2.00	3.99		
Toluene*	<0.050	0.050	02/19/2025	ND	2.15	108	2.00	3.90		
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.24	112	2.00	2.99		
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.92	115	6.00	2.81		
Total BTEX	<0.300	0.300	02/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/19/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	201	100	200	0.0279	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	185	92.7	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 3 (1.5') (H250960-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2025	ND	2.01	101	2.00	3.99		
Toluene*	<0.050	0.050	02/19/2025	ND	2.15	108	2.00	3.90		
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.24	112	2.00	2.99		
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.92	115	6.00	2.81		
Total BTEX	<0.300	0.300	02/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/19/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	201	100	200	0.0279	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	185	92.7	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 3 (2') (H250960-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2025	ND	2.01	101	2.00	3.99		
Toluene*	<0.050	0.050	02/19/2025	ND	2.15	108	2.00	3.90		
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.24	112	2.00	2.99		
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.92	115	6.00	2.81		
Total BTEx	<0.300	0.300	02/19/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	201	100	200	0.0279	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	185	92.7	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 3 (3') (H250960-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2025	ND	2.01	101	2.00	3.99		
Toluene*	<0.050	0.050	02/19/2025	ND	2.15	108	2.00	3.90		
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.24	112	2.00	2.99		
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.92	115	6.00	2.81		
Total BTEX	<0.300	0.300	02/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/19/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	201	100	200	0.0279	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	185	92.7	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 4 (0-1') (H250960-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.03	102	2.00	0.0159	
Toluene*	<0.050	0.050	02/19/2025	ND	2.29	115	2.00	6.28	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.50	125	2.00	8.70	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.54	126	6.00	9.58	
Total BTEX	<0.300	0.300	02/19/2025	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	128	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	201	100	200	0.0279	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	185	92.7	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 4 (1.5') (H250960-16)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.03	102	2.00	0.0159	
Toluene*	<0.050	0.050	02/19/2025	ND	2.29	115	2.00	6.28	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.50	125	2.00	8.70	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.54	126	6.00	9.58	
Total BTX	<0.300	0.300	02/19/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	201	100	200	0.0279	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	185	92.7	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 4 (2') (H250960-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2025	ND	2.03	102	2.00	0.0159		
Toluene*	<0.050	0.050	02/19/2025	ND	2.29	115	2.00	6.28		
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.50	125	2.00	8.70		
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.54	126	6.00	9.58		
Total BTEx	<0.300	0.300	02/19/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	201	100	200	0.0279	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	185	92.7	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 5 (0-1') (H250960-18)

BTEx 8021B		mg/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.03	102	2.00	0.0159	
Toluene*	<0.050	0.050	02/19/2025	ND	2.29	115	2.00	6.28	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.50	125	2.00	8.70	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.54	126	6.00	9.58	
Total BTEX	<0.300	0.300	02/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	528	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	201	100	200	0.0279	
DRO >C10-C28*	24.1	10.0	02/19/2025	ND	185	92.7	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 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 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 5 (1.5') (H250960-19)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.03	102	2.00	0.0159	
Toluene*	0.050	0.050	02/19/2025	ND	2.29	115	2.00	6.28	
Ethylbenzene*	0.056	0.050	02/19/2025	ND	2.50	125	2.00	8.70	
Total Xylenes*	0.401	0.150	02/19/2025	ND	7.54	126	6.00	9.58	
Total BTEX	0.506	0.300	02/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	1200	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	201	100	200	0.0279	
DRO >C10-C28*	172	10.0	02/19/2025	ND	185	92.7	200	1.12	
EXT DRO >C28-C36	13.2	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 5 (2') (H250960-20)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.03	102	2.00	0.0159	
Toluene*	<0.050	0.050	02/19/2025	ND	2.29	115	2.00	6.28	
Ethylbenzene*	0.050	0.050	02/19/2025	ND	2.50	125	2.00	8.70	
Total Xylenes*	0.356	0.150	02/19/2025	ND	7.54	126	6.00	9.58	
Total BTX	0.406	0.300	02/19/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	201	100	200	0.0279	
DRO >C10-C28*	152	10.0	02/19/2025	ND	185	92.7	200	1.12	
EXT DRO >C28-C36	14.1	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 5 (3') (H250960-21)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.03	102	2.00	0.0159	
Toluene*	<0.050	0.050	02/19/2025	ND	2.29	115	2.00	6.28	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.50	125	2.00	8.70	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.54	126	6.00	9.58	
Total BTX	<0.300	0.300	02/19/2025	ND					

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

Chloride, SM4500CI-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	201	100	200	0.0279	
DRO >C10-C28*	39.5	10.0	02/19/2025	ND	185	92.7	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 5 (4') (H250960-22)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.03	102	2.00	0.0159	
Toluene*	<0.050	0.050	02/19/2025	ND	2.29	115	2.00	6.28	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.50	125	2.00	8.70	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.54	126	6.00	9.58	
Total BTX	<0.300	0.300	02/19/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	201	100	200	0.0279	
DRO >C10-C28*	48.8	10.0	02/19/2025	ND	185	92.7	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 6 (0-1') (H250960-23)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.03	102	2.00	0.0159	
Toluene*	0.175	0.050	02/19/2025	ND	2.29	115	2.00	6.28	
Ethylbenzene*	0.569	0.050	02/19/2025	ND	2.50	125	2.00	8.70	
Total Xylenes*	4.38	0.150	02/19/2025	ND	7.54	126	6.00	9.58	
Total BTEX	5.13	0.300	02/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 147 % 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	5500	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	205	10.0	02/19/2025	ND	201	100	200	0.0279	
DRO >C10-C28*	2030	10.0	02/19/2025	ND	185	92.7	200	1.12	
EXT DRO >C28-C36	372	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 7 (0-1') (H250960-24)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.03	102	2.00	0.0159	
Toluene*	0.225	0.050	02/19/2025	ND	2.29	115	2.00	6.28	
Ethylbenzene*	0.549	0.050	02/19/2025	ND	2.50	125	2.00	8.70	
Total Xylenes*	4.06	0.150	02/19/2025	ND	7.54	126	6.00	9.58	
Total BTEX	4.84	0.300	02/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 161 % 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	1390	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	97.1	10.0	02/19/2025	ND	201	100	200	0.0279	
DRO >C10-C28*	1140	10.0	02/19/2025	ND	185	92.7	200	1.12	
EXT DRO >C28-C36	220	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 7 (1.5') (H250960-25)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.03	102	2.00	0.0159	
Toluene*	<0.050	0.050	02/19/2025	ND	2.29	115	2.00	6.28	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.50	125	2.00	8.70	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.54	126	6.00	9.58	
Total BTEX	<0.300	0.300	02/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	608	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	190	95.2	200	2.36	
DRO >C10-C28*	217	10.0	02/19/2025	ND	177	88.6	200	1.53	
EXT DRO >C28-C36	24.6	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 86.6 % 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 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 7 (2') (H250960-26)

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	02/19/2025	ND	2.03	102	2.00	0.0159	
Toluene*	<0.050	0.050	02/19/2025	ND	2.29	115	2.00	6.28	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.50	125	2.00	8.70	
Total Xylenes*	0.166	0.150	02/19/2025	ND	7.54	126	6.00	9.58	
Total BTX	<0.300	0.300	02/19/2025	ND					

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

Chloride, SM4500CI-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	190	95.2	200	2.36	
DRO >C10-C28*	244	10.0	02/19/2025	ND	177	88.6	200	1.53	
EXT DRO >C28-C36	26.3	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 7 (3') (H250960-27)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.03	102	2.00	0.0159	
Toluene*	<0.050	0.050	02/19/2025	ND	2.29	115	2.00	6.28	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.50	125	2.00	8.70	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.54	126	6.00	9.58	
Total BTX	<0.300	0.300	02/19/2025	ND					

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

Chloride, SM4500CI-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	190	95.2	200	2.36	
DRO >C10-C28*	138	10.0	02/19/2025	ND	177	88.6	200	1.53	
EXT DRO >C28-C36	10.4	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 85.4 % 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 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 8 (0-1') (H250960-28)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.03	102	2.00	0.0159	
Toluene*	<0.050	0.050	02/19/2025	ND	2.29	115	2.00	6.28	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.50	125	2.00	8.70	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.54	126	6.00	9.58	
Total BTX	<0.300	0.300	02/19/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	190	95.2	200	2.36	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	177	88.6	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 8 (1.5') (H250960-29)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.03	102	2.00	0.0159	
Toluene*	<0.050	0.050	02/19/2025	ND	2.29	115	2.00	6.28	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.50	125	2.00	8.70	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.54	126	6.00	9.58	
Total BTEX	<0.300	0.300	02/19/2025	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	02/19/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	190	95.2	200	2.36	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	177	88.6	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 8 (2') (H250960-30)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.03	102	2.00	0.0159	
Toluene*	<0.050	0.050	02/19/2025	ND	2.29	115	2.00	6.28	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.50	125	2.00	8.70	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.54	126	6.00	9.58	
Total BTEX	<0.300	0.300	02/19/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	190	95.2	200	2.36	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	177	88.6	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 8 (3') (H250960-31)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.03	102	2.00	0.0159	
Toluene*	<0.050	0.050	02/19/2025	ND	2.29	115	2.00	6.28	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.50	125	2.00	8.70	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.54	126	6.00	9.58	
Total BTEX	<0.300	0.300	02/19/2025	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	<16.0	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	190	95.2	200	2.36	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	177	88.6	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 9 (0-1') (H250960-32)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	5.38	1.00	02/20/2025	ND	2.03	102	2.00	0.0159	
Toluene*	56.8	1.00	02/20/2025	ND	2.29	115	2.00	6.28	
Ethylbenzene*	21.1	1.00	02/20/2025	ND	2.50	125	2.00	8.70	
Total Xylenes*	107	3.00	02/20/2025	ND	7.54	126	6.00	9.58	
Total BTEX	191	6.00	02/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	6240	16.0	02/19/2025	ND	416	104	400	0.00	
TPH 8015M									S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1430	10.0	02/19/2025	ND	190	95.2	200	2.36	
DRO >C10-C28*	3880	10.0	02/19/2025	ND	177	88.6	200	1.53	
EXT DRO >C28-C36	519	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 204 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 9 (1.5') (H250960-33)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.03	102	2.00	0.0159	
Toluene*	0.087	0.050	02/19/2025	ND	2.29	115	2.00	6.28	
Ethylbenzene*	0.117	0.050	02/19/2025	ND	2.50	125	2.00	8.70	
Total Xylenes*	0.833	0.150	02/19/2025	ND	7.54	126	6.00	9.58	
Total BTEX	1.04	0.300	02/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	5330	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	22.9	10.0	02/19/2025	ND	190	95.2	200	2.36	
DRO >C10-C28*	300	10.0	02/19/2025	ND	177	88.6	200	1.53	
EXT DRO >C28-C36	57.7	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.2 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 9 (2') (H250960-34)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.03	102	2.00	0.0159	
Toluene*	<0.050	0.050	02/19/2025	ND	2.29	115	2.00	6.28	
Ethylbenzene*	0.056	0.050	02/19/2025	ND	2.50	125	2.00	8.70	
Total Xylenes*	0.407	0.150	02/19/2025	ND	7.54	126	6.00	9.58	
Total BTX	0.463	0.300	02/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	5600	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	13.3	10.0	02/19/2025	ND	190	95.2	200	2.36	
DRO >C10-C28*	197	10.0	02/19/2025	ND	177	88.6	200	1.53	
EXT DRO >C28-C36	24.5	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 9 (3') (H250960-35)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.09	105	2.00	0.0285	
Toluene*	0.059	0.050	02/19/2025	ND	2.21	111	2.00	0.913	
Ethylbenzene*	0.120	0.050	02/19/2025	ND	2.27	114	2.00	1.08	
Total Xylenes*	0.965	0.150	02/19/2025	ND	6.95	116	6.00	1.30	
Total BTEX	1.14	0.300	02/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	672	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	22.4	10.0	02/19/2025	ND	190	95.2	200	2.36	
DRO >C10-C28*	318	10.0	02/19/2025	ND	177	88.6	200	1.53	
EXT DRO >C28-C36	35.1	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 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 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 9 (4') (H250960-36)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.09	105	2.00	0.0285	
Toluene*	<0.050	0.050	02/19/2025	ND	2.21	111	2.00	0.913	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.27	114	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.95	116	6.00	1.30	
Total BTEX	<0.300	0.300	02/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	1200	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	190	95.2	200	2.36	
DRO >C10-C28*	119	10.0	02/19/2025	ND	177	88.6	200	1.53	
EXT DRO >C28-C36	14.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H250960

Page 1 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	(432) 813-6823	Email:	Todd Wells@eogresources.com

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

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes								
Diamond 34 Fed No. 2		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush																			None: NO DI Water: H ₂ O								
Project Number:		Due Date:		Parameters																	Cool: Cool MeOH: Me								
2661																					HCL: HC HNO ₃ : HN								
Project Location																					H ₂ SO ₄ : H ₂ NaOH: Na								
Lea County, New Mexico																					H ₃ PO ₄ : HP								
Sampler's Name:																					NaHSO ₄ : NABIS								
SR & JM																				Na ₂ S ₂ O ₃ : NaSO ₃									
PO #:																				Zn Acetate+NaOH: Zn									
																				NaOH+Ascorbic Acid: SAPC									
SAMPLE RECEIPT		Temp Blank:		Wet Ice:																		Sample Comments							
		Yes No		Yes No																									
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID:																									
				#140																									
Cooler Custody Seals:		Yes No		Correction Factor:																									
				5.42																									
Sample Custody Seals:		Yes No		Temperature Reading:																									
				5.72																									
Total Containers:				Corrected Temperature:																									
Sample Identification		Date		Soil		Water		Grab/Comp		# of Cont																			
S-1 (0-1')		2/18/2025		X				G		1																			
S-1 (1.5')		2/18/2025		X				G		1																			
S-1 (2')		2/18/2025		X				G		1																			
S-1 (3')		2/18/2025		X				G		1																			
S-1 (4')		2/18/2025		X				G		1																			
S-2 (0-1')		2/18/2025		X				G		1																			
S-2 (1.5')		2/18/2025		X				G		1																			
S-2 (2')		2/18/2025		X				G		1																			
S-2 (3')		2/18/2025		X				G		1																			
S-2 (4')		2/18/2025		X				G		1																			

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

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
		2-18-25 1247					

Work Order No: H250960

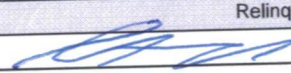
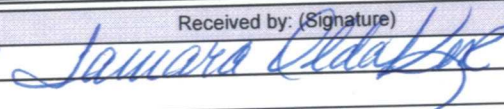
Released to Imaging: 4/15/2025 9:23:32 AM

Project Manager: Conner Moehring		Bill to: (if different) Todd Wells	
Company Name: Carmona Resources		Company Name: EOG Resources	
Address: 310 W Wall St Ste 200		Address: 5509 Champions Dr	
City, State ZIP: Midland, TX 79701		City, State ZIP: Midland, Tx 79706	
Phone: (432) 813-6823		Email: Todd_Wells@eogresources.com	

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

Project Name: Diamond 34 Fed No. 2		Turn Around		Pres. Code	ANALYSIS REQUEST															Preservative Codes						
Project Number: 2661		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500																None: NO	DI Water: H ₂ O	
Project Location: Lea County, New Mexico		Due Date:																						Cool: Cool	MeOH: Me	
Sampler's Name: SR & JM																								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 type="checkbox"/> No <input checked="" type="checkbox"/>		# of Cont																H ₃ PO ₄ : HP				
Received Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID: #140																	NaHSO ₄ : NABIS							
Cooler Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor: 70.32																	Na ₂ S ₂ O ₃ : NaSO ₃							
Sample Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading: 54.2																	Zn Acetate+NaOH: Zn							
Total Containers:		Corrected Temperature: 5.72																	NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Soil		Water		Grab/Comp																	Sample Comments	
S-3 (0-1')		2/18/2025		X				G 1		X X X																
S-3 (1.5')		2/18/2025		X				G 1		X X X																
S-3 (2')		2/18/2025		X				G 1		X X X																
S-3 (3')		2/18/2025		X				G 1		X X X																
S-4 (0-1')		2/18/2025		X				G 1		X X X																
S-4 (1.5')		2/18/2025		X				G 1		X X X																
S-4 (2')		2/18/2025		X				G 1		X X X																
S-5 (0-1')		2/18/2025		X				G 1		X X X																
S-5 (1.5')		2/18/2025		X				G 1		X X X																
S-5 (2')		2/18/2025		X				G 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	
		2-18-25 12:47					

Chain of Custody

Work Order No: H250960

Page 3 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	(432) 813-6823	Email:	Todd Wells@eogresources.com

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

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes								
Diamond 34 Fed No. 2		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush																			None: NO DI Water: H ₂ O								
Project Number:		Due Date:		Parameters																	Cool: Cool MeOH: Me								
2661																					HCL: HC HNO ₃ : HN								
Project Location																					H ₂ SO ₄ : H ₂ NaOH: Na								
Lea County, New Mexico																					H ₃ PO ₄ : HP								
Sampler's Name:																					NaHSO ₄ : NABIS								
SR & JM																				Na ₂ S ₂ O ₃ : NaSO ₃									
PO #:																				Zn Acetate+NaOH: Zn									
																				NaOH+Ascorbic Acid: SAPC									
SAMPLE RECEIPT		Temp Blank:		Wet Ice:																		Sample Comments							
		Yes No		Yes No																									
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID:																									
				#140																									
Cooler Custody Seals:		Yes No N/A		Correction Factor:																									
				+0.3°C																									
Sample Custody Seals:		Yes No N/A		Temperature Reading:																									
				5.4°C																									
Total Containers:				Corrected Temperature:																									
				5.7°C																									
Sample Identification		Date		Soil		Water		Grab/Comp		# of Cont																			
S-5 (3')		2/18/2025		X				G		1		X X X																	
S-5 (4')		2/18/2025		X				G		1		X X X																	
S-6 (0-1')		2/18/2025		X				G		1		X X X																	
S-7 (0-1')		2/18/2025		X				G		1		X X X																	
S-7 (1.5')		2/18/2025		X				G		1		X X X																	
S-7 (2')		2/18/2025		X				G		1		X X X																	
S-7 (3')		2/18/2025		X				G		1		X X X																	
S-8 (0-1')		2/18/2025		X				G		1		X X X																	
S-8 (1.5')		2/18/2025		X				G		1		X X X																	
S-8 (2')		2/18/2025		X				G		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	
		2-18-25 12:47					

Chain of Custody

Work Order No: H250960

Page 4 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	(432) 813-6823	Email:	Todd_Wells@eogresources.com

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

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes								
Diamond 34 Fed No. 2		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush																			None: NO DI Water: H ₂ O								
Project Number:		Due Date:		Parameters																	Cool: Cool MeOH: Me								
2661																					HCL: HC HNO ₃ : HN								
Project Location																					H ₂ SO ₄ : H ₂ NaOH: Na								
Lea County, New Mexico																					H ₃ PO ₄ : HP								
Sampler's Name:																					NaHSO ₄ : NABIS								
SR & JM																				Na ₂ S ₂ O ₃ : NaSO ₃									
PO #:																				Zn Acetate+NaOH: Zn									
																				NaOH+Ascorbic Acid: SAPC									
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No																		Sample Comments			
Received Intact:		Yes No		Thermometer ID:		#140																							
Cooler Custody Seals:		Yes No N/A		Correction Factor:		+0.3																							
Sample Custody Seals:		Yes No N/A		Temperature Reading:		5.4																							
Total Containers:				Corrected Temperature:		5.7																							
Sample Identification		Date		Soil		Water		Grab/Comp		# of Cont																			
S-8 (3')		2/18/2025		X				G		1		x x x																	
S-9 (0-1')		2/18/2025		X				G		1		x x x																	
S-9 (1.5')		2/18/2025		X				G		1		x x x																	
S-9 (2')		2/18/2025		X				G		1		x x x																	
S-9 (3')		2/18/2025		X				G		1		x x x																	
S-9 (4')		2/18/2025		X				G		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	
		2-18-25 12:47					



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

February 24, 2025

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: DIAMOND 34 FED NO.2

Enclosed are the results of analyses for samples received by the laboratory on 02/18/25 12:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 1 (0-0.5') (H250961-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2025	ND	2.09	105	2.00	0.0285		
Toluene*	<0.050	0.050	02/19/2025	ND	2.21	111	2.00	0.913		
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.27	114	2.00	1.08		
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.95	116	6.00	1.30		
Total BTX	<0.300	0.300	02/19/2025	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	02/19/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	190	95.2	200	2.36	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	177	88.6	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 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 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 2 (0-0.5') (H250961-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2025	ND	2.09	105	2.00	0.0285		
Toluene*	<0.050	0.050	02/19/2025	ND	2.21	111	2.00	0.913		
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.27	114	2.00	1.08		
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.95	116	6.00	1.30		
Total BTEX	<0.300	0.300	02/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/19/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	190	95.2	200	2.36	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	177	88.6	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 3 (0-0.5') (H250961-03)

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	02/19/2025	ND	2.09	105	2.00	0.0285		
Toluene*	<0.050	0.050	02/19/2025	ND	2.21	111	2.00	0.913		
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.27	114	2.00	1.08		
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.95	116	6.00	1.30		
Total BTX	<0.300	0.300	02/19/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/19/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	190	95.2	200	2.36	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	177	88.6	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 4 (0-0.5') (H250961-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2025	ND	2.09	105	2.00	0.0285		
Toluene*	<0.050	0.050	02/19/2025	ND	2.21	111	2.00	0.913		
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.27	114	2.00	1.08		
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.95	116	6.00	1.30		
Total BTEx	<0.300	0.300	02/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	176	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	190	95.2	200	2.36	
DRO >C10-C28*	90.6	10.0	02/19/2025	ND	177	88.6	200	1.53	
EXT DRO >C28-C36	13.3	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 80.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 5 (0-0.5') (H250961-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2025	ND	2.09	105	2.00	0.0285		
Toluene*	<0.050	0.050	02/19/2025	ND	2.21	111	2.00	0.913		
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.27	114	2.00	1.08		
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.95	116	6.00	1.30		
Total BTEX	<0.300	0.300	02/19/2025	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	48.0	16.0	02/19/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	190	95.2	200	2.36	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	177	88.6	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 6 (0-0.5') (H250961-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2025	ND	2.09	105	2.00	0.0285		
Toluene*	<0.050	0.050	02/19/2025	ND	2.21	111	2.00	0.913		
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.27	114	2.00	1.08		
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.95	116	6.00	1.30		
Total BTEX	<0.300	0.300	02/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/19/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	190	95.2	200	2.36	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	177	88.6	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 7 (0-0.5') (H250961-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2025	ND	2.09	105	2.00	0.0285		
Toluene*	<0.050	0.050	02/19/2025	ND	2.21	111	2.00	0.913		
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.27	114	2.00	1.08		
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.95	116	6.00	1.30		
Total BTEX	<0.300	0.300	02/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/19/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	190	95.2	200	2.36	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	177	88.6	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 8 (0-0.5') (H250961-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.09	105	2.00	0.0285	
Toluene*	<0.050	0.050	02/19/2025	ND	2.21	111	2.00	0.913	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.27	114	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.95	116	6.00	1.30	
Total BTEx	<0.300	0.300	02/19/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/19/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	190	95.2	200	2.36	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	177	88.6	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 86.4 % 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 500
 MIDLAND TX, 79701
 Fax To:

Received: 02/18/2025
 Reported: 02/24/2025
 Project Name: DIAMOND 34 FED NO.2
 Project Number: 2661
 Project Location: EOG - LEA CO NM

Sampling Date: 02/18/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 9 (0-0.5') (H250961-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2025	ND	2.09	105	2.00	0.0285		
Toluene*	<0.050	0.050	02/19/2025	ND	2.21	111	2.00	0.913		
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.27	114	2.00	1.08		
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.95	116	6.00	1.30		
Total BTEX	<0.300	0.300	02/19/2025	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	32.0	16.0	02/19/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	183	91.4	200	2.38	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	181	90.5	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 49.1-148

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H250961

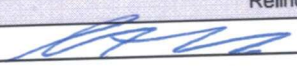
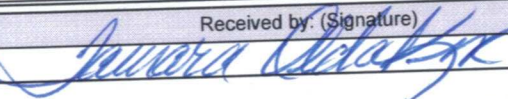
Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	(432) 813-6823	Email:	Todd Wells@eogresources.com

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

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes		
Project Number:	2661	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush		Due Date:																	None: NO	DI Water: H ₂ O
Project Location	Lea County, New Mexico			Parameters																	Cool: Cool	MeOH: Me	
Sampler's Name:	SR & JM																				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 type="checkbox"/> No <input checked="" type="checkbox"/>																	H ₃ PO ₄ : HP
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	#140																NaHSO ₄ : NABIS				
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	+0.3°C																Na ₂ S ₂ O ₃ : NaSO ₃				
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	5.4°C																Zn Acetate+NaOH: Zn				
Total Containers:		Corrected Temperature:	5.7°C																NaOH+Ascorbic Acid: SAPC				
Sample Identification	Date	Soil	Water	Grab/Comp	# of Cont																	Sample Comments	
H-1 (0-0.5')	2/18/2025	X		G	1	x	x	x															
H-2 (0-0.5')	2/18/2025	X		G	1	x	x	x															
H-3 (0-0.5')	2/18/2025	X		G	1	x	x	x															
H-4 (0-0.5')	2/18/2025	X		G	1	x	x	x															
H-5 (0-0.5')	2/18/2025	X		G	1	x	x	x															
H-6 (0-0.5')	2/18/2025	X		G	1	x	x	x															
H-7 (0-0.5')	2/18/2025	X		G	1	x	x	x															
H-8 (0-0.5')	2/18/2025	X		G	1	x	x	x															
H-9 (0-0.5')	2/18/2025	X		G	1	x	x	x															

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

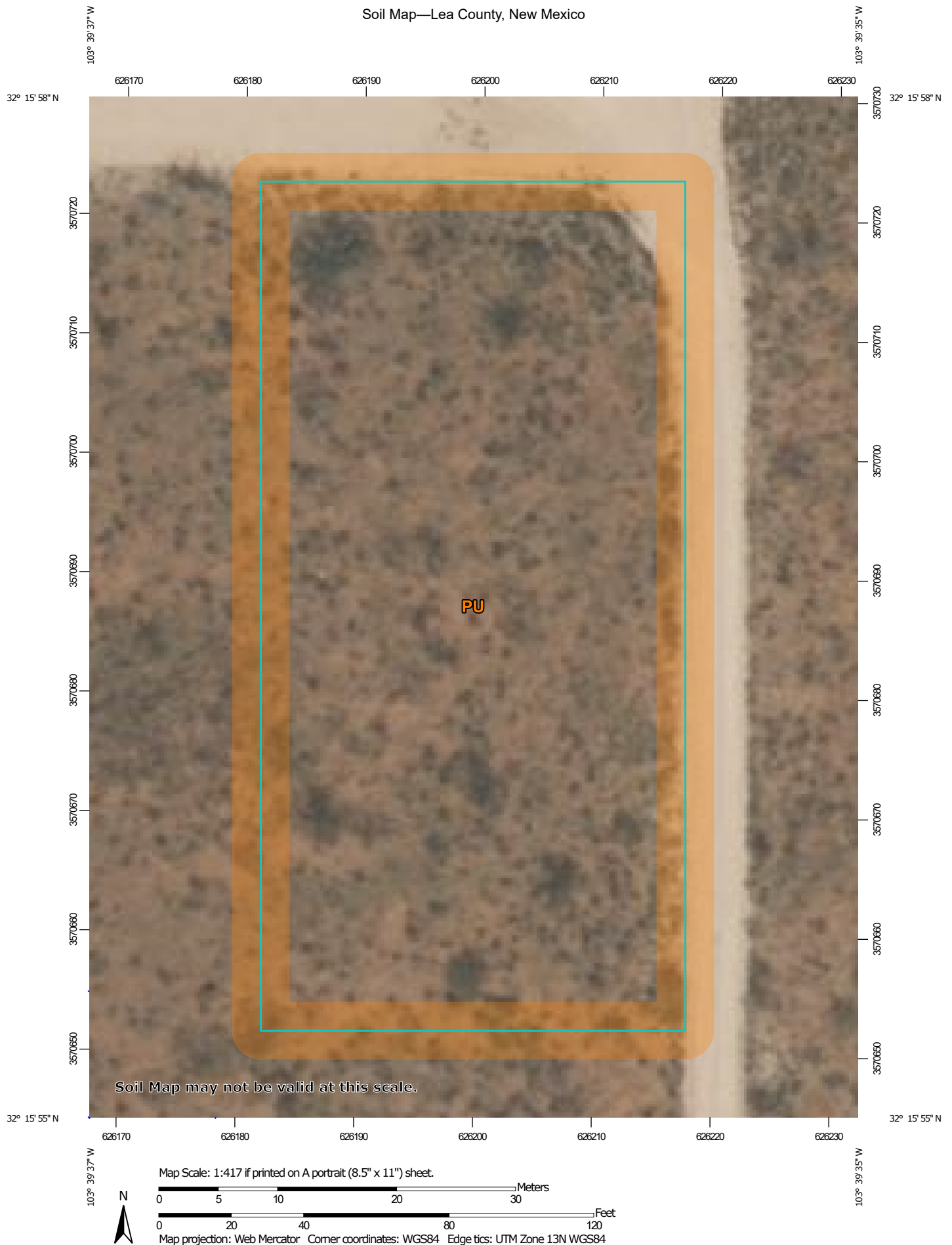
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2-18-25 1247		

APPENDIX F

CARMONA RESOURCES



Soil Map—Lea County, New Mexico



Natural Resources
Conservation Service


Web Soil Survey
National Cooperative Soil Survey

3/6/2025
Page 1 of 3


Soil Map—Lea County, New Mexico

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PU	Pyote and Maljamar fine sands	0.6	100.0%
Totals for Area of Interest		0.6	100.0%

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq

Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 12 inches

Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent

Maljamar and similar soils: 44 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pyote

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand

Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): High
(2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Maljamar

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand
Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 40 to 60 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent
Ecological site: R070BC022NM - Sandhills

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

(28)

BLM SERIAL #:

COMPANY REFERENCE:

3.3 Seed Mixture 2, for Sandy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law (s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

<u>Species</u>	<u>lb/acre</u>
Sand dropseed (<i>Sporobolus cryptandrus</i>)	1.0
Sand love grass (<i>Eragrostis trichodes</i>)	1.0
Plains bristlegrass (<i>Setaria macrostachya</i>)	2.0

*Pounds of pure live seed: Pounds of seed x percent purity x percent germination = pounds pure live seed

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

QUESTIONS

Action 444246

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 444246
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2502933209
Incident Name	NAPP2502933209 DIAMOND 34 FEDERAL #002 @ 30-025-33112
Incident Type	Blow Out
Incident Status	Remediation Plan Received
Incident Well	[30-025-33112] DIAMOND 34 FEDERAL #002

Location of Release Source

Please answer all the questions in this group.

Site Name	Diamond 34 Federal #002
Date Release Discovered	01/28/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Blow Out Well Crude Oil Released: 1,600 BBL Recovered: 990 BBL Lost: 610 BBL.
Produced Water Released (bbls) Details	Cause: Blow Out Well Produced Water Released: 200 BBL Recovered: 110 BBL Lost: 90 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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 444246

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 444246
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: James Kennedy Title: Environmental Supervisor Email: James_kennedy@eogresources.com Date: 03/20/2025
--	---

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QUESTIONS, Page 3

Action 444246

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 444246
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	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	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

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

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	6240
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	5829
GRO+DRO (EPA SW-846 Method 8015M)	5310
BTEX (EPA SW-846 Method 8021B or 8260B)	191
Benzene (EPA SW-846 Method 8021B or 8260B)	5.4

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	06/08/2025
On what date will (or did) the final sampling or liner inspection occur	07/23/2025
On what date will (or was) the remediation complete(d)	09/06/2025
What is the estimated surface area (in square feet) that will be reclaimed	9023
What is the estimated volume (in cubic yards) that will be reclaimed	1151
What is the estimated surface area (in square feet) that will be remediated	29360
What is the estimated volume (in cubic yards) that will be remediated	5000

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 444246

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 444246
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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	TARGA NORTHERN DELAWARE, LLC. [fAPP2123031392]
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: James Kennedy Title: Environmental Supervisor Email: James_kennedy@eogresources.com Date: 03/20/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 444246

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 444246
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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QUESTIONS, Page 6

Action 444246

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 444246
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

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	No

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CONDITIONS

Action 444246

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 444246
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvez	Remediation plan is approved as written except with the following conditions; 1. EOG must complete the excavation and removal of impacted soils until confirmation samples collected from the bottom and sidewalls of the excavation report NMOCD Closure Criteria per 19.15.29.12 NMAC has been achieved. 2. OCD approves the sampling frequency of 400 square feet (ft.2) per one (1) 5-point composite sample (5pcs) for the excavation floor samples and 200 ft.2 for the sidewall samples. 3. Prior to backfilling the open excavation per 19.15.29.12D (2) NMAC, EOG must collect a minimum of one (1) 5pcs from the media being used as backfill to verify that it meets non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. This is especially important for the material being used within the top four (4) feet from the ground surface.	4/15/2025
nvez	4. EOG has 90-days (July 14, 2025) to submit to OCD its appropriate or final remediation closure report.	4/15/2025