



SITE INFORMATION

Closure Report
Lea Unit West Flare (12.03.2025)
Incident ID: nAPP2533752426
Lea County, New Mexico
Unit D, Sec 12, T20S, R34E
32.59241, -103.51972

Crude Oil Release
Point of Release: Flare Fire
Release Date: 12.03.2025
Volume Released: 0.01 Barrels of Crude Oil
Volume Recovered: 0 Barrels of Crude Oil

CARMONA RESOURCES



Prepared for:
Coterra Energy Operating Co.
6001 Deauville Blvd.
Suite 300N
Midland, Texas 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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January 8, 2026

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

Re: **Closure Report**
Lea Unit West Flare (12.03.2025)
Incident ID: NAPP2533752426
Coterra Energy Operating Co.
Site Location: Unit D, S12, T20S, R34E
32.59241, -103.51972
Lea County, New Mexico

To whom it may concern:

At the request of Coterra Energy Operating Co. (Coterra, formerly known as Avant Operating, LLC) Carmona Resources LLC, has prepared this letter to document the site remediation conducted at the Lea Unit West Flare, located at 32.59241, -103.51972 within Unit D, S12, T20S, R34E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on December 3, 2025, due to a valve on the compressor line being closed, allowing fluids from the separator to carry over to the flare, resulting in a fire. The incident resulted in the release of approximately zero point zero one (0.01) barrels of crude oil, with zero (0) barrels recovered. The release area is approximately 568 square feet. The spill boundaries are shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. The nearest groundwater determination bore (GWDB) is located approximately 0.05 miles East of the site in S12, T20S, 34E, and was drilled in 2025. The GWDB was drilled to a depth of 105 feet below ground surface (ft bgs) and did not show evidence of groundwater present after 72 hours. A copy of the 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 and remediating 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: 20,000 mg/kg.



4.0 Remediation Activities

On December 12, 2025, Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on December 5, 2025, per Subsection D of 19.15.29.12 NMAC, see Appendix C. The area was excavated to a depth of 0.25 ft bgs. A total of four (4) horizontal samples (H-1 through H-4) were collected for horizontal delineation, and four (4) confirmation floor samples (CS-1 through CS-4) were collected every 200 square feet to ensure the proper removal of contaminated soil. Composite confirmation sidewall samples were not collected due to the excavation depth not exceeding 0.5' ft bgs. For chemical analysis, the soil samples were collected and placed into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas in accordance with established chain-of-custody protocols. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA method 8021B, and Chloride by EPA method 300. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

All final confirmation samples were below the regulatory requirements for TPH, BTEX, and Chlorides. Refer to Table 1. The excavation depths and confirmation sample locations are shown in Figure 3.

Approximately 568 square feet of impacted area was remediated, resulting in the removal of an estimated 6 cubic yards of soil, which was transported offsite for proper disposal at an approved facility.

5.0 Conclusion & Variance

Due to the excavation being less than six (6) inches in depth, horizontal delineation samples were collected in place of composite confirmation sidewall samples. Additionally, due to the shallow nature of the surface scrape, a variance to NMAC 19.15.29.12.D.2 is requested in relation to backfilling the excavated (scraped) area. Excess material from the well pad was pushed up to add additional caliche to the access road. Sample point "H-1" represents the material that was used to backfill the scraped area. Refer to Figure 3 and Table 1 for the sample location and analytical results.

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

Sincerely,
Carmona Resources, LLC

Ashton Thielke
Environmental Manager

Riley Plogger
Project Manager

FIGURES

CARMONA RESOURCES





OVERVIEW MAP
COTERRA ENERGY OPERATING CO
LEA UNIT WEST FLARE (12.03.2025)
LEA COUNTY, NEW MEXICO
32.59241, -103.51972



FIGURE 1

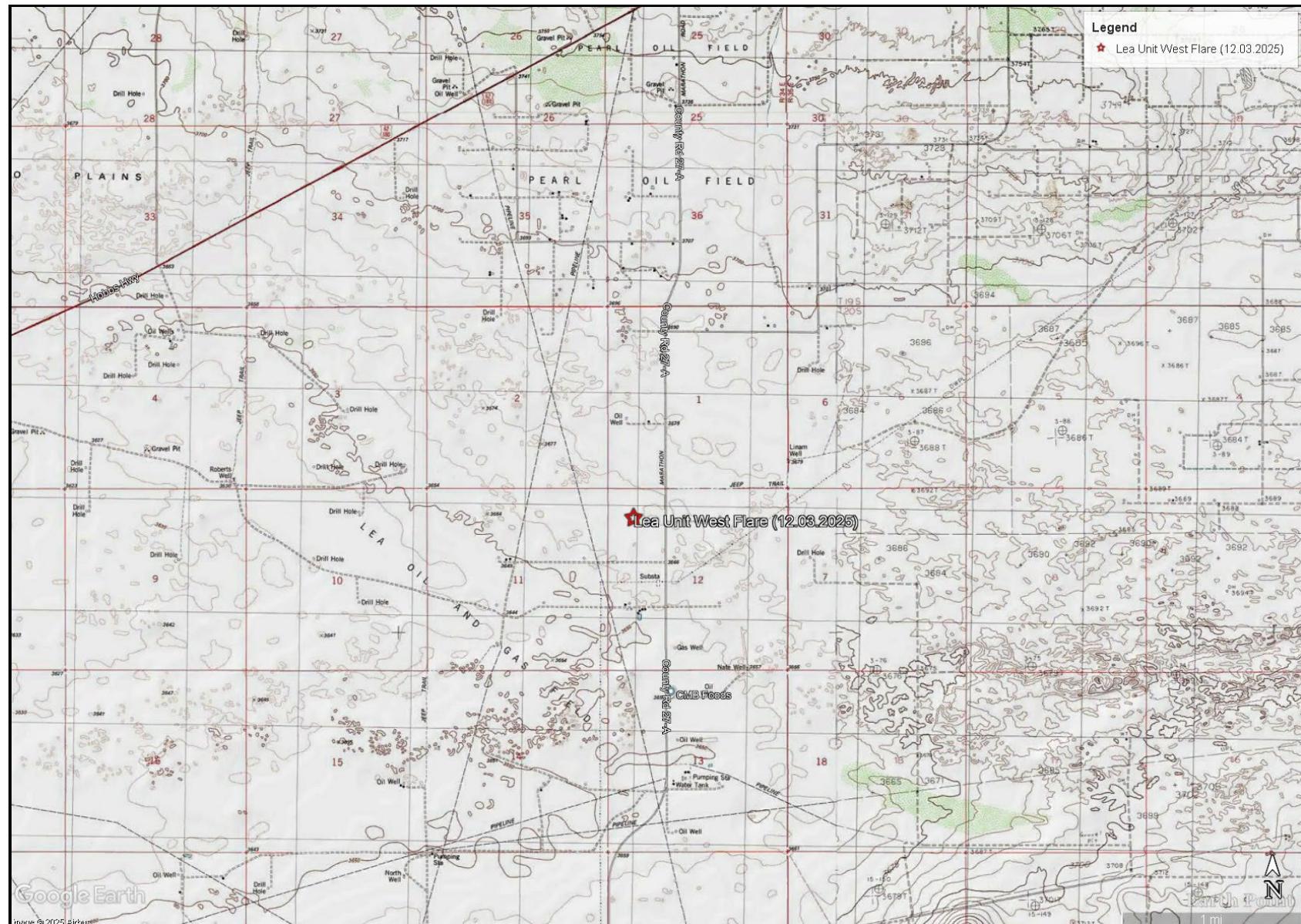


FIGURE 2



APPENDIX A

CARMONA RESOURCES



Table 1
Coterra Energy Operating Co.
Lea Unit West Flare (12.03.2025)
Lea County, New Mexico

| Sample ID | Date | Depth (ft) | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|-----------------------------------------|------------|------------|--------------------|-------|--------------------|-------|-----------------|-----------------|----------------------|----------------|--------------------|---------------------|
| | | | GRO | DRO | MRO | Total | | | | | | |
| CS-1 | 12/12/2025 | 0-0.25' | <50.0 | 85.7 | <50.0 | 85.7 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | 343 |
| CS-2 | 12/12/2025 | 0-0.25' | <50.5 | <50.5 | <50.5 | <50.5 | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | 182 |
| CS-3 | 12/12/2025 | 0-0.25' | <50.0 | <50.0 | <50.0 | <50.0 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | 192 |
| CS-4 | 12/12/2025 | 0-0.25' | <49.8 | <49.8 | <49.8 | <49.8 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | 64.0 |
| H-1 | 12/12/2025 | 0-0.5' | <49.8 | <49.8 | <49.8 | <49.8 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 | 18.0 |
| H-2 | 12/12/2025 | 0-0.5' | <50.0 | <50.0 | <50.0 | <50.0 | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | 24.1 |
| H-3 | 12/12/2025 | 0-0.5' | <50.2 | <50.2 | <50.2 | <50.2 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | 156 |
| H-4 | 12/12/2025 | 0-0.5' | <50.1 | <50.1 | <50.1 | <50.1 | <0.00202 | <0.00202 | <0.00202 | <0.00404 | <0.00404 | 86.4 |
| Regulatory Criteria ^A | | | 1,000 mg/kg | | 2,500 mg/kg | | 10 mg/kg | | | | 50 mg/kg | 20,000 mg/kg |

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) - Confirmation Sample

(H) - Horizontal Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Coterra Energy Operating Co

Photograph No. 1**Facility:** Lea Unit West Flare (12.03.2025)**County:** Lea County, New Mexico**Description:**

View Northeast, Area of CS-1 through CS-4.

**Photograph No. 2****Facility:** Lea Unit West Flare (12.03.2025)**County:** Lea County, New Mexico**Description:**

View Southwest, Area of CS-1 through CS-4.

**Photograph No. 3****Facility:** Lea Unit West Flare (12.03.2025)**County:** Lea County, New Mexico**Description:**

View East, Area of CS-1 though CS-4.



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 531554

QUESTIONS

| | |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706 | OGRID: 330396 |
| | Action Number: 531554 |
| | Action Type: [NOTIFY] Notification Of Release (NOR) |

QUESTIONS

| | |
|--------------------------------------------------------------------------------------------|---------------------|
| Location of Release Source <i>Please answer all the questions in this group.</i> | |
| Site Name | Lea Unit West Flare |
| Date Release Discovered | 12/03/2025 |
| Surface Owner | Federal |

| | |
|------------------------------------------------------------------------------------------------------|------|
| Incident Details <i>Please answer all the questions in this group.</i> | |
| Incident Type | Fire |
| Did this release result in a fire or is the result of a fire | Yes |
| 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: Human Error Other (Specify) Crude Oil Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL. |
| Produced Water Released (bbls) Details | Not answered. |
| Is the concentration of chloride in the produced water >10,000 mg/l | Not answered. |
| Condensate Released (bbls) Details | Not answered. |
| Natural Gas Vented (Mcf) Details | Not answered. |
| Natural Gas Flared (Mcf) Details | Not answered. |
| Other Released Details | Not answered. |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | We had a reportable fire at the Lea Unit West Flare due to fluid carrying over to the flare. It was discovered that a valve on the air compressor supply line was closed, resulting in fluid carrying over from the separator to the flare. The fire was extinguished by the Hobbs Fire Department. Minor damage occurred to the flare and no injuries or impact to the environment resulted from the incident. We will be scheduling an assessment and remediation of the affected area in the coming weeks. Released: 0.01 barrels of crude oil Recovered: 0 barrels |

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

QUESTIONS, Page 2

Action 531554

QUESTIONS (continued)

| | |
|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706 | OGRID: 330396 |
| | Action Number: 531554 |
| | 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) | More volume information must be supplied to determine if this will be treated as 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: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire. |

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 | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| <i>The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.</i> | |
| The source of the release has been stopped | True |
| The impacted area has been secured to protect human health and the environment | True |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True |
| All free liquids and recoverable materials have been removed and managed appropriately | True |
| If all the actions described above have not been undertaken, explain why | <i>Not answered.</i> |

Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 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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Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 531554

ACKNOWLEDGMENTS

| | |
|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706 | OGRID: 330396 |
| | Action Number: 531554 |
| | 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 531554

CONDITIONS

| | |
|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706 | OGRID: 330396 |
| | Action Number: 531554 |
| | Action Type: [NOTIFY] Notification Of Release (NOR) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| lluig | When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141. | 12/3/2025 |

AVANT OPERATING
LEA UNIT WEST FLARE
LEA, NM

11:12

96%

[Home](#)

Saturated Soil Calculation

Lea West Flare Fire

L(Ft)

W(Ft)

D(In)

Oil %

595

1

0.01

100



Soil Definitions

SOIL TYPE FACTOR

0.08

0.14

0.16

0.25

0.15

H₂O Spill Total: 0.00 Bbls

Oil Spill Total: 0.01 Bbls

Total Spilled: 0.01 Bbls

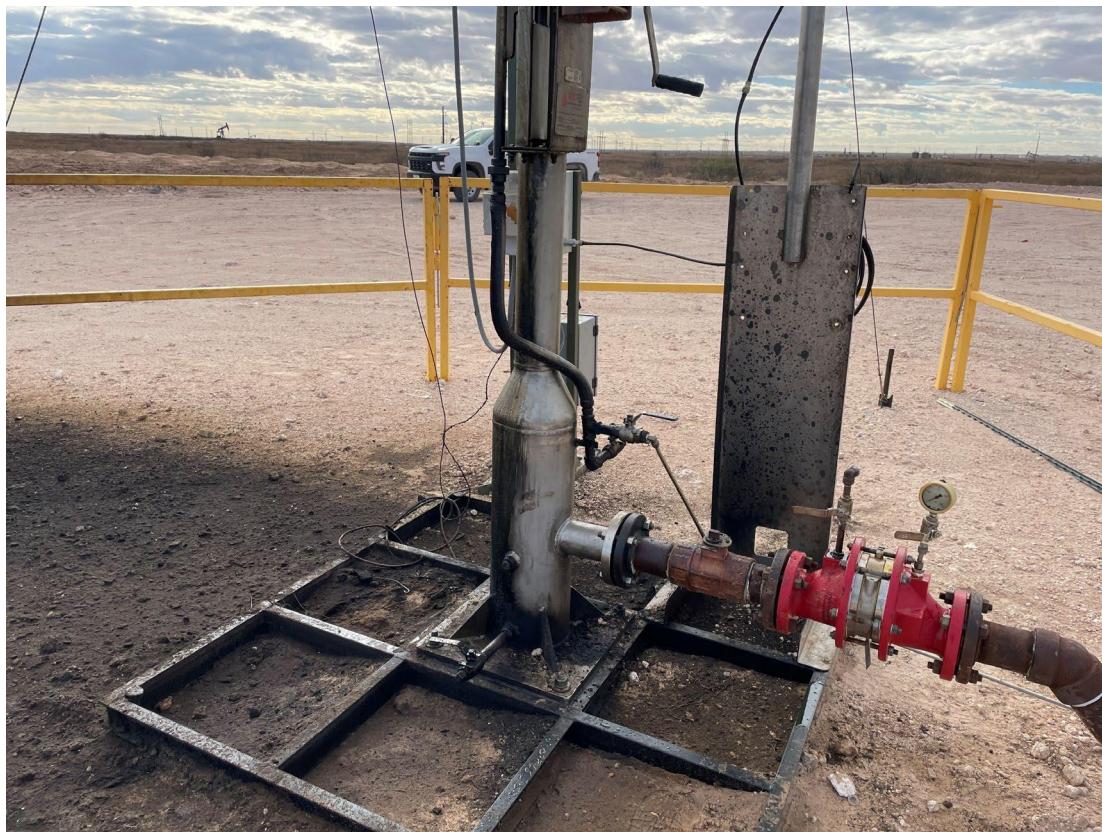
Total Spilled: 0.52 Gals

[Add Section to Spill](#)

AVANT OPERATING
LEA UNIT WEST FLARE
LEA, NM



AVANT OPERATING
LEA UNIT WEST FLARE
LEA, NM



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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 532201

QUESTIONS

| | |
|-------------------------------------------------------------------------------|---------------------------------------------------------|
| Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706 | OGRID: 330396 |
| | Action Number: 532201 |
| | Action Type: [C-141] Initial C-141 (C-141-v-Initial) |

QUESTIONS

| Prerequisites | |
|------------------|---------------------------------------------------|
| Incident ID (n#) | nAPP2533752426 |
| Incident Name | NAPP2533752426 LEA UNIT WEST FLARE @ D-12-20S-34E |
| Incident Type | Fire |
| Incident Status | Initial C-141 Received |

Location of Release Source

Please answer all the questions in this group.

| | |
|-------------------------|---------------------|
| Site Name | Lea Unit West Flare |
| Date Release Discovered | 12/03/2025 |
| Surface Owner | Federal |

Incident Details

Please answer all the questions in this group.

| | |
|------------------------------------------------------------------------------------------------------|------|
| Incident Type | Fire |
| Did this release result in a fire or is the result of a fire | Yes |
| 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: Human Error Other (Specify) Crude Oil Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL. |
| Produced Water Released (bbls) Details | Not answered. |
| 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) | We had a reportable fire at the Lea Unit West Flare due to fluid carrying over to the flare. It was discovered that a valve on the air compressor supply line was closed, resulting in fluid carrying over from the separator to the flare. The fire was extinguished by the Hobbs Fire Department. Minor damage occurred to the flare and no injuries or impact to the environment resulted from the incident. We will be scheduling an assessment and remediation of the affected area in the coming weeks. Released: 0.01 barrels of crude oil Recovered: 0 barrels |

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QUESTIONS, Page 2

Action 532201

QUESTIONS (continued)

| | |
|-------------------------------------------------------------------------------|---------------------------------------------------------|
| Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706 | OGRID: 330396 |
| | Action Number: 532201 |
| | 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) | More info needed to determine if this will be treated as 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: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire. |

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 | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| <i>The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.</i> | |
| The source of the release has been stopped | True |
| The impacted area has been secured to protect human health and the environment | True |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True |
| All free liquids and recoverable materials have been removed and managed appropriately | True |
| If all the actions described above have not been undertaken, explain why | <i>Not answered.</i> |

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

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

| | |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| I hereby agree and sign off to the above statement | Name: Laci Luig Title: ES&H Specialist Email: DL_PermitEnvironmental@coterra.com Date: 12/05/2025 |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------|

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

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

QUESTIONS, Page 3

Action 532201

QUESTIONS (continued)

| | |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------|
| Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706 | OGRID: 330396 |
| | Action Number: 532201 |
| | Action Type: [C-141] Initial C-141 (C-141-v-Initial) |

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

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 | 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 532201

CONDITIONS

| | |
|------------------------------------------------------------------|---------------------------------------------------------|
| Operator: | OGRID: 330396 |
| Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706 | Action Number: 532201 |
| | Action Type: [C-141] Initial C-141 (C-141-v-Initial) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| scwells | None | 12/5/2025 |

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 532109

QUESTIONS

| | |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706 | OGRID: 330396 |
| | Action Number: 532109 |
| | Action Type: [NOTIFY] Notification Of Sampling (C-141N) |

QUESTIONS

| Prerequisites | |
|------------------|---------------------------------------------------|
| Incident ID (n#) | nAPP2533752426 |
| Incident Name | NAPP2533752426 LEA UNIT WEST FLARE @ D-12-20S-34E |
| Incident Type | Fire |
| Incident Status | Notification Accepted |

| Location of Release Source | |
|----------------------------|---------------------|
| Site Name | Lea Unit West Flare |
| Date Release Discovered | 12/03/2025 |
| Surface Owner | Federal |

| Sampling Event General Information | |
|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Please answer all the questions in this group.</i> | |
| What is the sampling surface area in square feet | 650 |
| What is the estimated number of samples that will be gathered | 10 |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 12/12/2025 |
| Time sampling will commence | 09:00 AM |
| Please provide any information necessary for observers to contact samplers | Carmona Resources - 432-813-8988 Composite confirmation surface samples will be collected and horizontal grab samples will be collected since a surface scrape less than 3 inches occurred to remove all stained soil from the fire. |
| Please provide any information necessary for navigation to sampling site | 32.592617°, -103.520205° |

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CONDITIONS

Action 532109

CONDITIONS

| | |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706 | OGRID: 330396 |
| | Action Number: 532109 |
| | Action Type: [NOTIFY] Notification Of Sampling (C-141N) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| athielke | Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted. | 12/5/2025 |
| athielke | If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application. | 12/5/2025 |

APPENDIX D

CARMONA RESOURCES



Nearest Water Well

Coterra Energy Operating Co.

Legend

- 0.05 Miles
- 0.50 Mile Radius
- Groundwater Determination Bore
- Lea Federal Unit 21H (04.05.2025)

Lea Federal Unit 21H (04.05.2025) 105' GWDB - Drilled 2025

N

Google Earth

Released to Imaging: 1/16/2026 10:31:34 AM

Image © 2025 Airbus

2000 ft

Legend

- Lea Federal Unit 21H (04.05.2025)
- Low

Lea Federal Unit 21H (04.05.2025) ●



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 |
|-------------------------------|------|-----------|--------|-----|-----|----|-----|-----|-------|----------|-------------|-----|----------|------------|-------------|--------------|
| CP 00654 POD1 | | CP | LE | | SE | SE | 12 | 20S | 34E | 640103.0 | 3605947.0 * | | 1662 | 60 | | |
| L 04157 | | L | LE | | SW | SW | 06 | 20S | 35E | 640483.0 | 3607561.0 * | | 1676 | 70 | 64 | 6 |
| CP 00655 POD1 | | CP | LE | | SW | NW | 14 | 20S | 34E | 637294.0 | 3605108.0 * | | 2523 | 210 | | |
| CP 01672 POD1 | | CP | LE | NW | SW | NW | 36 | 19S | 34E | 638735.9 | 3610009.6 | | 2940 | 100 | | |
| CP 00656 POD1 | | CP | LE | SE | SE | SE | 04 | 20S | 34E | 635342.0 | 3607391.0 * | | 3551 | 225 | | |
| CP 00800 POD1 | | CP | LE | NE | NE | NE | 22 | 20S | 34E | 637007.0 | 3603994.0 * | | 3602 | 220 | | |
| CP 00683 POD1 | | CP | LE | SW | SW | SE | 25 | 19S | 34E | 639530.0 | 3610685.0 * | | 3670 | 120 | 28 | 92 |

Average Depth to Water: **46 feet**

Minimum Depth: **28 feet**

Maximum Depth: **64 feet**

Record Count: 7

UTM Filters (in meters):

Easting: 638878.83

Northing: 3607072.24

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.) Pod 1 | | WELL TAG ID NO. | | OSE FILE NO(S). CP-2083 | | | | |
| | WELL OWNER NAME(S) Coterra Energy | | | | PHONE (OPTIONAL) | | | | |
| | WELL OWNER MAILING ADDRESS 840 Gessner Rd. Ste. 1400 | | | | CITY Houston | STATE TX | ZIP 77024-4152 | | |
| | WELL LOCATION (FROM GPS) | DEGREES LATITUDE | 32 | MINUTES 35 | SECONDS 32.0 | N | * ACCURACY REQUIRED: ONE TENTH OF A SECOND | | |
| | | LONGITUDE | 103 | 31 | 9.5 | | W | * DATUM REQUIRED: WGS 84 | |
| | DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Section 12 Township 20s Range 34e. West of 27-A (Marathon Rd.) | | | | | | | | |
| | 2. DRILLING & CASING INFORMATION | LICENSE NO. WD-1862 | | NAME OF LICENSED DRILLER James Hawley | | | NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC | | |
| | | DRILLING STARTED 9-3-25 | | DRILLING ENDED 9-3-25 | DEPTH OF COMPLETED WELL (FT) 105' | BORE HOLE DEPTH (FT) 105' | 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 | | |
| | | DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY: | | | | | | | |
| DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY: | | | | | | | | | |
| DEPTH (feet bgl) | | BORE HOLE DIAM. (inches) | CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) | CASING CONNECTION TYPE (add coupling diameter) | CASING INSIDE DIAM. (inches) | CASING WALL THICKNESS (inches) | SLOT SIZE (inches) | | |
| FROM | | | | | | | | TO | |
| 0 | | 105' | 6" | No casing left in hole | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 3. ANNULAR MATERIAL | DEPTH (feet bgl) | | BORE HOLE DIAM. (inches) | LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL | | AMOUNT (cubic feet) | METHOD OF PLACEMENT | | |
| | FROM | TO | | N/A | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |
| | | | | | | | | | |

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

| | | |
|----------|-----------------|-------------|
| FILE NO. | POD NO. | TRN NO. |
| LOCATION | WELL TAG ID NO. | PAGE 1 OF 2 |



PLUGGING RECORD

NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-2083 Pod 1
 Well owner: Coterra Energy Phone No.: 432-208-3035
 Mailing address: 840 Gessner Rd. Ste. 1400
 City: Houston State: TX Zip code: 77024-4152

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: H&R Enterprises, LLC
- 2) New Mexico Well Driller License No.: WD-1862 Expiration Date: 6/16/27
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Nathan Smelcer
- 4) Date well plugging began: 9-8-25 Date well plugging concluded: 9-8-25
- 5) GPS Well Location: Latitude: 32 deg, 35 min, 32.0 sec
 Longitude: 103 deg, 31 min, 9.5 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 105 ft below ground level (bgl),
 by the following manner: well sounder
- 7) Static water level measured at initiation of plugging: N/A ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 7/16/25
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

III. SIGNATURE:

I, James Hawley, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

elief. 

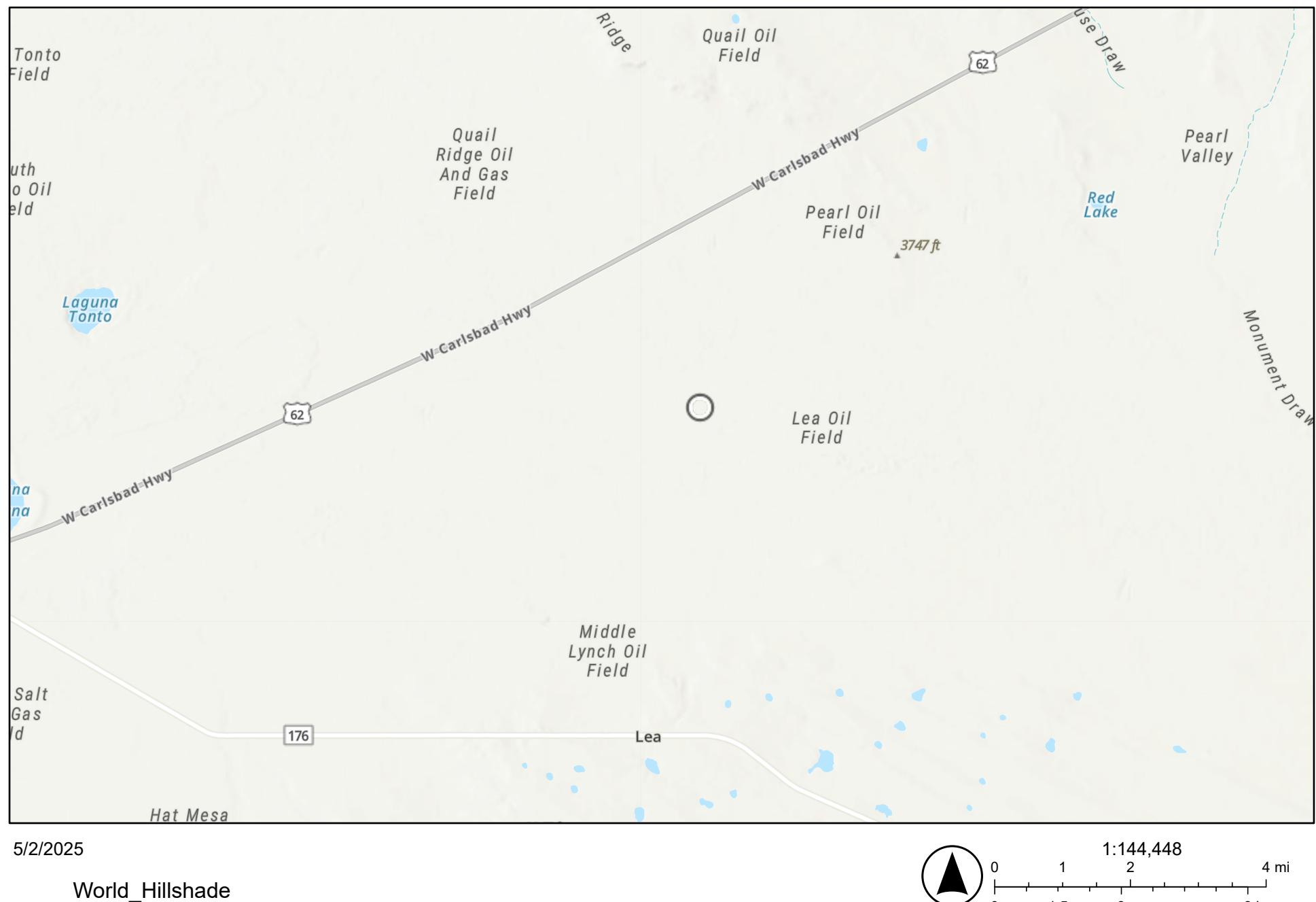
Signature of Well Driller

9/8/25

Date

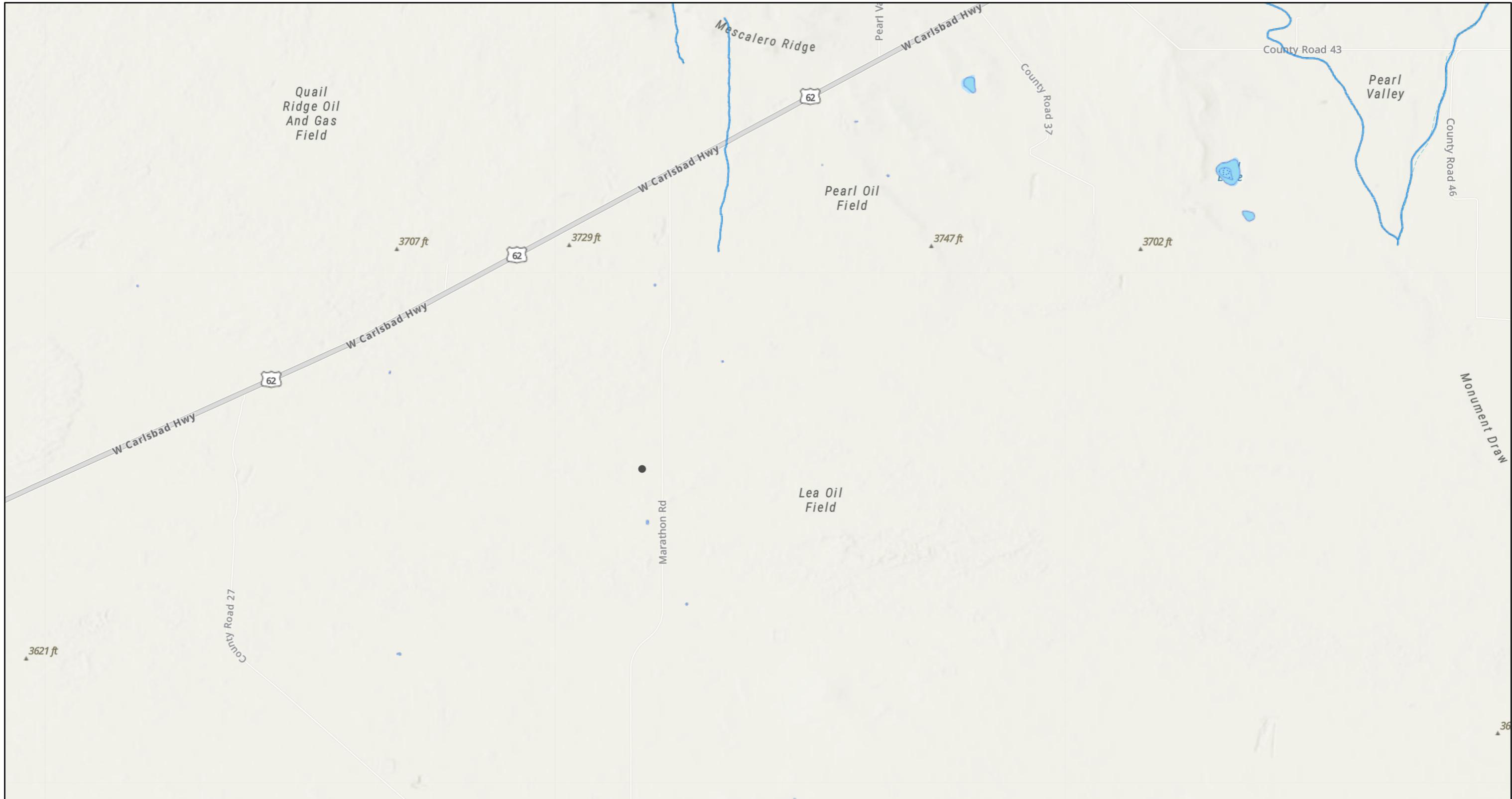
Version: September 8, 2009
Page 2 of 2

Lea Federal Unit 21H (04.05.2025)



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

Lea Federal Unit 21H (04.05.2025)



5/2/2025, 7:43:04 AM

1:72,224

OSW Water Bodys

OSE Probable Playas

OSE Streams

0 0.75 1.5 3 mi
0 1.25 2.5 5 km

Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, NM OSE

APPENDIX E

CARMONA RESOURCES





Environment Testing

1

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4

5

6

7

8

9

10

11

12

13

14

ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 12/22/2025 1:58:23 PM

JOB DESCRIPTION

Lea Unit West Flare (12.03.2025)
Lea County New Mexico

JOB NUMBER

880-66088-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
12/22/2025 1:58:23 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Table of Contents

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66088-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

| Qualifier | Qualifier Description |
|-----------|------------------------------------------------------------|
| *+ | LCS and/or LCSD is outside acceptance limits, high biased. |
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|----------------------------------------------------------|
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

HPLC/IC

| Qualifier | Qualifier Description |
|-----------|----------------------------------------------------------|
| U | Indicates the analyte was analyzed for but not detected. |

Glossary

Abbreviation

These commonly used abbreviations may or may not be present in this report.

| | |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ⊗ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Case Narrative

Client: Carmona Resources
Project: Lea Unit West Flare (12.03.2025)

Job ID: 880-66088-1

Job ID: 880-66088-1

Eurofins Midland

Job Narrative 880-66088-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 12/12/2025 1:26 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C.

GC VOA

Method 8021B: The laboratory control sample duplicate (LCSD) associated with preparation batch 880-127065 and analytical batch 880-127051 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS -1 (0-0.25') (880-66088-1), CS -2 (0-0.25') (880-66088-2), CS -3 (0-0.25') (880-66088-3), CS -4 (0-0.25') (880-66088-4) and (CCV 880-127051/33). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-127065 and analytical batch 880-127051 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-127065/1-A), (LCSD 880-127065/2-A), (890-9241-A-8-E), (890-9241-A-8-C MS) and (890-9241-A-8-D MSD). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-66087-A-23-B MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66088-1
 SDG: Lea County New Mexico

Client Sample ID: CS -1 (0-0.25')

Lab Sample ID: 880-66088-1

Matrix: Solid

Date Collected: 12/12/25 00:00
 Date Received: 12/12/25 13:26

Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|----------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 17:03 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 17:03 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 17:03 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 17:03 | 1 |
| o-Xylene | <0.00199 | U *+ | 0.00199 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 17:03 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 17:03 | 1 |
| Surrogate | | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 299 | S1+ | | 70 - 130 | | | 12/18/25 10:14 | 12/18/25 17:03 | 1 |
| 1,4-Difluorobenzene (Surr) | 80 | | | 70 - 130 | | | 12/18/25 10:14 | 12/18/25 17:03 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 12/18/25 17:03 | 1 |

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 85.7 | | 50.0 | | mg/Kg | | | 12/20/25 16:38 | 1 |

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 16:38 | 1 |
| Diesel Range Organics (Over C10-C28) | 85.7 | | 50.0 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 16:38 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 16:38 | 1 |
| Surrogate | | | | | | | | | |
| 1-Chlorooctane (Surr) | 126 | | 70 - 130 | | | | 12/12/25 15:34 | 12/20/25 16:38 | 1 |
| o-Terphenyl (Surr) | 113 | | 70 - 130 | | | | 12/12/25 15:34 | 12/20/25 16:38 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 343 | | 10.0 | | mg/Kg | | | 12/16/25 16:44 | 1 |

Client Sample ID: CS -2 (0-0.25')

Lab Sample ID: 880-66088-2

Matrix: Solid

Date Collected: 12/12/25 00:00
 Date Received: 12/12/25 13:26

Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|----------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 17:24 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 17:24 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 17:24 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 17:24 | 1 |
| o-Xylene | <0.00200 | U *+ | 0.00200 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 17:24 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 17:24 | 1 |
| Surrogate | | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 292 | S1+ | | 70 - 130 | | | 12/18/25 10:14 | 12/18/25 17:24 | 1 |
| 1,4-Difluorobenzene (Surr) | 78 | | | 70 - 130 | | | 12/18/25 10:14 | 12/18/25 17:24 | 1 |

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66088-1
 SDG: Lea County New Mexico

Client Sample ID: CS -2 (0-0.25')

Lab Sample ID: 880-66088-2

Matrix: Solid

Date Collected: 12/12/25 00:00
 Date Received: 12/12/25 13:26

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 12/18/25 17:24 | 1 |

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.5 | U | 50.5 | | mg/Kg | | | 12/20/25 16:53 | 1 |

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.5 | U | 50.5 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 16:53 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.5 | U | 50.5 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 16:53 | 1 |
| Oil Range Organics (Over C28-C36) | <50.5 | U | 50.5 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 16:53 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane (Surr) | 121 | | 70 - 130 | | | | 12/12/25 15:34 | 12/20/25 16:53 | 1 |
| <i>o</i> -Terphenyl (Surr) | 113 | | 70 - 130 | | | | 12/12/25 15:34 | 12/20/25 16:53 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 182 | | 10.0 | | mg/Kg | | | 12/16/25 17:00 | 1 |

Client Sample ID: CS -3 (0-0.25')

Lab Sample ID: 880-66088-3

Matrix: Solid

Date Collected: 12/12/25 00:00
 Date Received: 12/12/25 13:26

Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 17:44 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 17:44 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 17:44 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 17:44 | 1 |
| <i>o</i> -Xylene | <0.00201 | U *+ | 0.00201 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 17:44 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 17:44 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 302 | S1+ | 70 - 130 | | | | 12/18/25 10:14 | 12/18/25 17:44 | 1 |
| 1,4-Difluorobenzene (Surr) | 84 | | 70 - 130 | | | | 12/18/25 10:14 | 12/18/25 17:44 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 12/18/25 17:44 | 1 |

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 12/20/25 17:09 | 1 |

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 17:09 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 17:09 | 1 |

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Client Sample Results

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66088-1
 SDG: Lea County New Mexico

Client Sample ID: CS -3 (0-0.25')

Lab Sample ID: 880-66088-3

Matrix: Solid

Date Collected: 12/12/25 00:00
 Date Received: 12/12/25 13:26

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|--------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 17:09 | 1 |
| Surrogate | | | | | | | | | |
| 1-Chlorooctane (Surr) | 119 | | 70 - 130 | | | | 12/12/25 15:34 | 12/20/25 17:09 | 1 |
| o-Terphenyl (Surr) | 109 | | 70 - 130 | | | | 12/12/25 15:34 | 12/20/25 17:09 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 192 | | 10.1 | | mg/Kg | | | 12/16/25 17:06 | 1 |

Client Sample ID: CS -4 (0-0.25')

Lab Sample ID: 880-66088-4

Matrix: Solid

Date Collected: 12/12/25 00:00
 Date Received: 12/12/25 13:26

Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 18:04 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 18:04 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 18:04 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 18:04 | 1 |
| o-Xylene | <0.00199 | U *+ | 0.00199 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 18:04 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 18:04 | 1 |
| Surrogate | | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 350 | S1+ | 70 - 130 | | | | 12/18/25 10:14 | 12/18/25 18:04 | 1 |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 | | | | 12/18/25 10:14 | 12/18/25 18:04 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 12/18/25 18:04 | 1 |

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 12/20/25 17:23 | 1 |

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 49.8 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 17:23 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 17:23 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 17:23 | 1 |
| Surrogate | | | | | | | | | |
| 1-Chlorooctane (Surr) | 124 | | 70 - 130 | | | | 12/12/25 15:34 | 12/20/25 17:23 | 1 |
| o-Terphenyl (Surr) | 114 | | 70 - 130 | | | | 12/12/25 15:34 | 12/20/25 17:23 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 64.0 | | 9.92 | | mg/Kg | | | 12/16/25 17:22 | 1 |

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-66088-1

Project/Site: Lea Unit West Flare (12.03.2025)

SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) | | | | | | | | | |
|---------------------|------------------------|------------------|-------------------|--|--|--|--|--|--|--|--|--|
| 880-66088-1 | CS -1 (0-0.25') | 299 S1+ | 80 | | | | | | | | | |
| 880-66088-2 | CS -2 (0-0.25') | 292 S1+ | 78 | | | | | | | | | |
| 880-66088-3 | CS -3 (0-0.25') | 302 S1+ | 84 | | | | | | | | | |
| 880-66088-4 | CS -4 (0-0.25') | 350 S1+ | 100 | | | | | | | | | |
| 890-9241-A-8-C MS | Matrix Spike | 222 S1+ | 90 | | | | | | | | | |
| 890-9241-A-8-D MSD | Matrix Spike Duplicate | 207 S1+ | 75 | | | | | | | | | |
| LCS 880-127065/1-A | Lab Control Sample | 232 S1+ | 81 | | | | | | | | | |
| LCSD 880-127065/2-A | Lab Control Sample Dup | 253 S1+ | 77 | | | | | | | | | |
| MB 880-127065/5-A | Method Blank | 292 S1+ | 76 | | | | | | | | | |

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | 1CO1 (70-130) | OTPH1 (70-130) | | | | | | | | | |
|----------------------|------------------------|------------------|-------------------|--|--|--|--|--|--|--|--|--|
| 880-66087-A-23-B MS | Matrix Spike | 145 S1+ | 115 | | | | | | | | | |
| 880-66087-A-23-C MSD | Matrix Spike Duplicate | 118 | 117 | | | | | | | | | |
| 880-66088-1 | CS -1 (0-0.25') | 126 | 113 | | | | | | | | | |
| 880-66088-2 | CS -2 (0-0.25') | 121 | 113 | | | | | | | | | |
| 880-66088-3 | CS -3 (0-0.25') | 119 | 109 | | | | | | | | | |
| 880-66088-4 | CS -4 (0-0.25') | 124 | 114 | | | | | | | | | |
| LCS 880-126560/2-A | Lab Control Sample | 116 | 119 | | | | | | | | | |
| LCSD 880-126560/3-A | Lab Control Sample Dup | 101 | 101 | | | | | | | | | |
| MB 880-126560/1-A | Method Blank | 130 | 115 | | | | | | | | | |

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66088-1
 SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-127065/5-A

Matrix: Solid

Analysis Batch: 127051

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127065

| Analyte | MB | | RL | MDL | Unit | D | Prepared | | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|----------------|----------------|---------|
| | Result | Qualifier | | | | | Prepared | Analyzed | |
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 11:23 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 11:23 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 11:23 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 11:23 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 11:23 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 11:23 | 1 |
| Surrogate | MB | | Limits | Prepared | Analyzed | Dil Fac | | | |
| | %Recovery | Qualifier | | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 292 | S1+ | 70 - 130 | 12/18/25 10:14 | 12/18/25 11:23 | 1 | | | |
| 1,4-Difluorobenzene (Surr) | 76 | | 70 - 130 | 12/18/25 10:14 | 12/18/25 11:23 | 1 | | | |

Lab Sample ID: LCS 880-127065/1-A

Matrix: Solid

Analysis Batch: 127051

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127065

| Analyte | Spike | | Unit | D | %Rec | | RPD |
|-----------------------------|-----------|-----------|----------|---|------|----------|-----|
| | Added | Result | | | %Rec | Limits | |
| Benzene | 0.100 | 0.1002 | mg/Kg | | 100 | 70 - 130 | |
| Toluene | 0.100 | 0.1108 | mg/Kg | | 111 | 70 - 130 | |
| Ethylbenzene | 0.100 | 0.1085 | mg/Kg | | 108 | 70 - 130 | |
| m-Xylene & p-Xylene | 0.200 | 0.2259 | mg/Kg | | 113 | 70 - 130 | |
| o-Xylene | 0.100 | 0.1163 | mg/Kg | | 116 | 70 - 130 | |
| Surrogate | LCS | | Unit | D | %Rec | | RPD |
| | %Recovery | Qualifier | | | %Rec | Limits | |
| 4-Bromofluorobenzene (Surr) | 232 | S1+ | 70 - 130 | | | | |
| 1,4-Difluorobenzene (Surr) | 81 | | 70 - 130 | | | | |

Lab Sample ID: LCSD 880-127065/2-A

Matrix: Solid

Analysis Batch: 127051

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 127065

| Analyte | Spike | | Unit | D | %Rec | | RPD |
|-----------------------------|-----------|-----------|----------|---|------|----------|-----|
| | Added | Result | | | %Rec | Limits | |
| Benzene | 0.100 | 0.1118 | mg/Kg | | 112 | 70 - 130 | 11 |
| Toluene | 0.100 | 0.1247 | mg/Kg | | 125 | 70 - 130 | 12 |
| Ethylbenzene | 0.100 | 0.1237 | mg/Kg | | 124 | 70 - 130 | 13 |
| m-Xylene & p-Xylene | 0.200 | 0.2565 | mg/Kg | | 128 | 70 - 130 | 13 |
| o-Xylene | 0.100 | 0.1321 | *+ | | 132 | 70 - 130 | 13 |
| Surrogate | LCSD | | Unit | D | %Rec | | RPD |
| | %Recovery | Qualifier | | | %Rec | Limits | |
| 4-Bromofluorobenzene (Surr) | 253 | S1+ | 70 - 130 | | | | |
| 1,4-Difluorobenzene (Surr) | 77 | | 70 - 130 | | | | |

Lab Sample ID: 890-9241-A-8-C MS

Matrix: Solid

Analysis Batch: 127051

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 127065

| Analyte | Sample | | Spike | Unit | %Rec | | RPD |
|---------|----------|-----------|-------|-------|-------|--------|----------|
| | Result | Qualifier | | | Added | Result | |
| Benzene | <0.00109 | U | 0.100 | mg/Kg | | 107 | 70 - 130 |
| Toluene | <0.00109 | U | 0.100 | mg/Kg | | 112 | 70 - 130 |

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QC Sample Results

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66088-1
 SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-9241-A-8-C MS

Matrix: Solid

Analysis Batch: 127051

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 127065

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec | %Rec |
|-----------------------------|----------|------------------|------------------|---------------|-----------|-------|-----|----------|------|
| | Result | Qualifier | Added | Result | Qualifier | | | | |
| Ethylbenzene | <0.00109 | U | 0.100 | 0.1105 | | mg/Kg | 111 | 70 - 130 | |
| m-Xylene & p-Xylene | <0.00219 | U | 0.200 | 0.2322 | | mg/Kg | 116 | 70 - 130 | |
| o-Xylene | <0.00109 | U *+ | 0.100 | 0.1170 | | mg/Kg | 117 | 70 - 130 | |
| Surrogate | | MS | MS | | | | | | |
| | | %Recovery | Qualifier | Limits | | | | | |
| 4-Bromofluorobenzene (Surr) | 222 | S1+ | | 70 - 130 | | | | | |
| 1,4-Difluorobenzene (Surr) | 90 | | | 70 - 130 | | | | | |

Lab Sample ID: 890-9241-A-8-D MSD

Matrix: Solid

Analysis Batch: 127051

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 127065

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec | RPD |
|-----------------------------|----------|------------------|------------------|---------------|-----------|-------|-----|----------|------|------|
| | Result | Qualifier | Added | Result | Qualifier | | | | | |
| Benzene | <0.00109 | U | 0.100 | 0.1073 | | mg/Kg | 107 | 70 - 130 | | 0 35 |
| Toluene | <0.00109 | U | 0.100 | 0.1100 | | mg/Kg | 110 | 70 - 130 | 2 | 35 |
| Ethylbenzene | <0.00109 | U | 0.100 | 0.1080 | | mg/Kg | 108 | 70 - 130 | 2 | 35 |
| m-Xylene & p-Xylene | <0.00219 | U | 0.200 | 0.2260 | | mg/Kg | 113 | 70 - 130 | 3 | 35 |
| o-Xylene | <0.00109 | U *+ | 0.100 | 0.1133 | | mg/Kg | 113 | 70 - 130 | 3 | 35 |
| Surrogate | | MSD | MSD | | | | | | | |
| | | %Recovery | Qualifier | Limits | | | | | | |
| 4-Bromofluorobenzene (Surr) | 207 | S1+ | | 70 - 130 | | | | | | |
| 1,4-Difluorobenzene (Surr) | 75 | | | 70 - 130 | | | | | | |

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-126560/1-A

Matrix: Solid

Analysis Batch: 127326

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 126560

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| | Result | Qualifier | | | | | | | |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 12/12/25 15:33 | 12/20/25 08:31 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 12/12/25 15:33 | 12/20/25 08:31 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 12/12/25 15:33 | 12/20/25 08:31 | 1 |
| Surrogate | | MB | MB | | | | Prepared | Analyzed | Dil Fac |
| | | %Recovery | Qualifier | Limits | | | | | |
| 1-Chlorooctane (Surr) | 130 | | 70 - 130 | | | | 12/12/25 15:33 | 12/20/25 08:31 | 1 |
| o-Terphenyl (Surr) | 115 | | 70 - 130 | | | | 12/12/25 15:33 | 12/20/25 08:31 | 1 |

Lab Sample ID: LCS 880-126560/2-A

Matrix: Solid

Analysis Batch: 127326

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 126560

| Analyte | Spike | LCS | LCS | Unit | D | %Rec | %Rec |
|--------------------------------------|-------|--------|-----------|-------|-----|----------|------|
| | Added | Result | Qualifier | | | | |
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1248 | | mg/Kg | 125 | 70 - 130 | |
| Diesel Range Organics (Over C10-C28) | 1000 | 1290 | | mg/Kg | 129 | 70 - 130 | |

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QC Sample Results

Client: Carmona Resources

Job ID: 880-66088-1

Project/Site: Lea Unit West Flare (12.03.2025)

SDG: Lea County New Mexico

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-126560/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 127326

Prep Batch: 126560

| Surrogate | LCS | LCS | |
|----------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | Limits |
| 1-Chlorooctane (Surr) | 116 | | 70 - 130 |
| <i>o</i> -Terphenyl (Surr) | 119 | | 70 - 130 |

Lab Sample ID: LCSD 880-126560/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 127326

Prep Batch: 126560

| Analyte | | Spike | LCSD | LCSD | | | %Rec | RPD |
|--------------------------------------|-------------|-------------|----------|-----------|-------|---|------|----------|
| | | Added | Result | Qualifier | Unit | D | Rec | Limit |
| Gasoline Range Organics (GRO)-C6-C10 | | 1000 | 1094 | | mg/Kg | | 109 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | | 1000 | 1129 | | mg/Kg | | 113 | 70 - 130 |
| <i>Surrogate</i> | <i>LCSD</i> | <i>LCSD</i> | | | | | | |
| | %Recovery | Qualifier | Limits | | | | | |
| 1-Chlorooctane (Surr) | 101 | | 70 - 130 | | | | | |
| <i>o</i> -Terphenyl (Surr) | 101 | | 70 - 130 | | | | | |

Lab Sample ID: 880-66087-A-23-B MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 127326

Prep Batch: 126560

| Analyte | Sample | Sample | Spike | MS | MS | | %Rec | |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|------|----------|
| | Result | Qualifier | Added | Result | Qualifier | Unit | D | Rec |
| Gasoline Range Organics (GRO)-C6-C10 | <50.4 | U | 991 | 953.9 | | mg/Kg | | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <50.4 | U | 991 | 924.0 | | mg/Kg | | 70 - 130 |
| <i>Surrogate</i> | <i>MS</i> | <i>MS</i> | | | | | | |
| | %Recovery | Qualifier | Limits | | | | | |
| 1-Chlorooctane (Surr) | 145 | S1+ | 70 - 130 | | | | | |
| <i>o</i> -Terphenyl (Surr) | 115 | | 70 - 130 | | | | | |

Lab Sample ID: 880-66087-A-23-C MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 127326

Prep Batch: 126560

| Analyte | Sample | Sample | Spike | MSD | MSD | | %Rec | |
|--------------------------------------|------------|------------|----------|--------|-----------|-------|------|----------|
| | Result | Qualifier | Added | Result | Qualifier | Unit | D | Rec |
| Gasoline Range Organics (GRO)-C6-C10 | <50.4 | U | 991 | 949.2 | | mg/Kg | | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <50.4 | U | 991 | 992.6 | | mg/Kg | | 70 - 130 |
| <i>Surrogate</i> | <i>MSD</i> | <i>MSD</i> | | | | | | |
| | %Recovery | Qualifier | Limits | | | | | |
| 1-Chlorooctane (Surr) | 118 | | 70 - 130 | | | | | |
| <i>o</i> -Terphenyl (Surr) | 117 | | 70 - 130 | | | | | |

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66088-1
 SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-126807/1-A

Matrix: Solid

Analysis Batch: 126831

| Analyte | MB | MB | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|----------|-------|--------|-----------|----|-----|------|---|----------|----------|---------|
| | Chloride | <10.0 | | | | | | | | | |

Client Sample ID: Method Blank

Prep Type: Soluble

Lab Sample ID: LCS 880-126807/2-A

Matrix: Solid

Analysis Batch: 126831

| Analyte | Spike | LC | LC | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
|---------|-------|----------|-------|--------|-----------|------|----------|------|--------|-----|-------|
| | | Chloride | Added | 235.3 | mg/Kg | 94 | 90 - 110 | | | | |

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Lab Sample ID: LCSD 880-126807/3-A

Matrix: Solid

Analysis Batch: 126831

| Analyte | Spike | LCSD | LCSD | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
|---------|-------|----------|-------|--------|-----------|------|----------|------|--------|-----|-------|
| | | Chloride | Added | 234.9 | mg/Kg | 94 | 90 - 110 | 0 | 20 | | |

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Lab Sample ID: 880-66088-1 MS

Matrix: Solid

Analysis Batch: 126831

| Analyte | Sample | Sample | Spike | MS | MS | Result | Qualifier | Unit | D | %Rec | Limits |
|---------|----------|--------|-----------|-------|--------|--------|-----------|----------|---|------|--------|
| | Chloride | Result | Qualifier | Added | Result | mg/Kg | 102 | 90 - 110 | | | |

Client Sample ID: CS -1 (0-0.25')

Prep Type: Soluble

Lab Sample ID: 880-66088-1 MSD

Matrix: Solid

Analysis Batch: 126831

| Analyte | Sample | Sample | Spike | MSD | MSD | Result | Qualifier | Unit | D | %Rec | Limits |
|---------|----------|--------|-----------|-------|--------|--------|-----------|----------|---|------|--------|
| | Chloride | Result | Qualifier | Added | Result | mg/Kg | 101 | 90 - 110 | 0 | 20 | |

Client Sample ID: CS -1 (0-0.25')

Prep Type: Soluble

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66088-1
 SDG: Lea County New Mexico

GC VOA

Analysis Batch: 127051

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-66088-1 | CS -1 (0-0.25') | Total/NA | Solid | 8021B | 127065 |
| 880-66088-2 | CS -2 (0-0.25') | Total/NA | Solid | 8021B | 127065 |
| 880-66088-3 | CS -3 (0-0.25') | Total/NA | Solid | 8021B | 127065 |
| 880-66088-4 | CS -4 (0-0.25') | Total/NA | Solid | 8021B | 127065 |
| MB 880-127065/5-A | Method Blank | Total/NA | Solid | 8021B | 127065 |
| LCS 880-127065/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 127065 |
| LCSD 880-127065/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 127065 |
| 890-9241-A-8-C MS | Matrix Spike | Total/NA | Solid | 8021B | 127065 |
| 890-9241-A-8-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 127065 |

Prep Batch: 127065

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-66088-1 | CS -1 (0-0.25') | Total/NA | Solid | 5035 | 10 |
| 880-66088-2 | CS -2 (0-0.25') | Total/NA | Solid | 5035 | 11 |
| 880-66088-3 | CS -3 (0-0.25') | Total/NA | Solid | 5035 | 12 |
| 880-66088-4 | CS -4 (0-0.25') | Total/NA | Solid | 5035 | 13 |
| MB 880-127065/5-A | Method Blank | Total/NA | Solid | 5035 | 14 |
| LCS 880-127065/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-127065/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 890-9241-A-8-C MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 890-9241-A-8-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Analysis Batch: 127294

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-66088-1 | CS -1 (0-0.25') | Total/NA | Solid | Total BTEX | |
| 880-66088-2 | CS -2 (0-0.25') | Total/NA | Solid | Total BTEX | |
| 880-66088-3 | CS -3 (0-0.25') | Total/NA | Solid | Total BTEX | |
| 880-66088-4 | CS -4 (0-0.25') | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Prep Batch: 126560

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|-------------|------------|
| 880-66088-1 | CS -1 (0-0.25') | Total/NA | Solid | 8015NM Prep | |
| 880-66088-2 | CS -2 (0-0.25') | Total/NA | Solid | 8015NM Prep | |
| 880-66088-3 | CS -3 (0-0.25') | Total/NA | Solid | 8015NM Prep | |
| 880-66088-4 | CS -4 (0-0.25') | Total/NA | Solid | 8015NM Prep | |
| MB 880-126560/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-126560/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-126560/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-66087-A-23-B MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 880-66087-A-23-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 127326

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|----------|------------|
| 880-66088-1 | CS -1 (0-0.25') | Total/NA | Solid | 8015B NM | 126560 |
| 880-66088-2 | CS -2 (0-0.25') | Total/NA | Solid | 8015B NM | 126560 |
| 880-66088-3 | CS -3 (0-0.25') | Total/NA | Solid | 8015B NM | 126560 |
| 880-66088-4 | CS -4 (0-0.25') | Total/NA | Solid | 8015B NM | 126560 |
| MB 880-126560/1-A | Method Blank | Total/NA | Solid | 8015B NM | 126560 |
| LCS 880-126560/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 126560 |

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66088-1
 SDG: Lea County New Mexico

GC Semi VOA (Continued)**Analysis Batch: 127326 (Continued)**

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|----------|------------|
| LCSD 880-126560/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 126560 |
| 880-66087-A-23-B MS | Matrix Spike | Total/NA | Solid | 8015B NM | 126560 |
| 880-66087-A-23-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 126560 |

Analysis Batch: 127456

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-66088-1 | CS -1 (0-0.25') | Total/NA | Solid | 8015 NM | |
| 880-66088-2 | CS -2 (0-0.25') | Total/NA | Solid | 8015 NM | |
| 880-66088-3 | CS -3 (0-0.25') | Total/NA | Solid | 8015 NM | |
| 880-66088-4 | CS -4 (0-0.25') | Total/NA | Solid | 8015 NM | |

HPLC/IC**Leach Batch: 126807**

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-66088-1 | CS -1 (0-0.25') | Soluble | Solid | DI Leach | |
| 880-66088-2 | CS -2 (0-0.25') | Soluble | Solid | DI Leach | |
| 880-66088-3 | CS -3 (0-0.25') | Soluble | Solid | DI Leach | |
| 880-66088-4 | CS -4 (0-0.25') | Soluble | Solid | DI Leach | |
| MB 880-126807/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-126807/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-126807/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-66088-1 MS | CS -1 (0-0.25') | Soluble | Solid | DI Leach | |
| 880-66088-1 MSD | CS -1 (0-0.25') | Soluble | Solid | DI Leach | |

Analysis Batch: 126831

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-66088-1 | CS -1 (0-0.25') | Soluble | Solid | 300.0 | 126807 |
| 880-66088-2 | CS -2 (0-0.25') | Soluble | Solid | 300.0 | 126807 |
| 880-66088-3 | CS -3 (0-0.25') | Soluble | Solid | 300.0 | 126807 |
| 880-66088-4 | CS -4 (0-0.25') | Soluble | Solid | 300.0 | 126807 |
| MB 880-126807/1-A | Method Blank | Soluble | Solid | 300.0 | 126807 |
| LCS 880-126807/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 126807 |
| LCSD 880-126807/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 126807 |
| 880-66088-1 MS | CS -1 (0-0.25') | Soluble | Solid | 300.0 | 126807 |
| 880-66088-1 MSD | CS -1 (0-0.25') | Soluble | Solid | 300.0 | 126807 |

Lab Chronicle

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66088-1
 SDG: Lea County New Mexico

Client Sample ID: CS -1 (0-0.25')

Lab Sample ID: 880-66088-1

Matrix: Solid

Date Collected: 12/12/25 00:00

Date Received: 12/12/25 13:26

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 127065 | 12/18/25 10:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 127051 | 12/18/25 17:03 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 127294 | 12/18/25 17:03 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 127456 | 12/20/25 16:38 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10.00 mL | 126560 | 12/12/25 15:34 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 127326 | 12/20/25 16:38 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 126807 | 12/16/25 09:32 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 126831 | 12/16/25 16:44 | CS | EET MID |

Client Sample ID: CS -2 (0-0.25')

Lab Sample ID: 880-66088-2

Matrix: Solid

Date Collected: 12/12/25 00:00

Date Received: 12/12/25 13:26

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 127065 | 12/18/25 10:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 127051 | 12/18/25 17:24 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 127294 | 12/18/25 17:24 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 127456 | 12/20/25 16:53 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.91 g | 10.00 mL | 126560 | 12/12/25 15:34 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 127326 | 12/20/25 16:53 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 126807 | 12/16/25 09:32 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 126831 | 12/16/25 17:00 | CS | EET MID |

Client Sample ID: CS -3 (0-0.25')

Lab Sample ID: 880-66088-3

Matrix: Solid

Date Collected: 12/12/25 00:00

Date Received: 12/12/25 13:26

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 4.98 g | 5 mL | 127065 | 12/18/25 10:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 127051 | 12/18/25 17:44 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 127294 | 12/18/25 17:44 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 127456 | 12/20/25 17:09 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10.00 mL | 126560 | 12/12/25 15:34 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 127326 | 12/20/25 17:09 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 126807 | 12/16/25 09:32 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 126831 | 12/16/25 17:06 | CS | EET MID |

Client Sample ID: CS -4 (0-0.25')

Lab Sample ID: 880-66088-4

Matrix: Solid

Date Collected: 12/12/25 00:00

Date Received: 12/12/25 13:26

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 127065 | 12/18/25 10:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 127051 | 12/18/25 18:04 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 127294 | 12/18/25 18:04 | SA | EET MID |

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66088-1
 SDG: Lea County New Mexico

Client Sample ID: CS -4 (0-0.25')**Lab Sample ID: 880-66088-4**

Matrix: Solid

Date Collected: 12/12/25 00:00
 Date Received: 12/12/25 13:26

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8015 NM | | 1 | | | 127456 | 12/20/25 17:23 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10.00 mL | 126560 | 12/12/25 15:34 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 127326 | 12/20/25 17:23 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 126807 | 12/16/25 09:32 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 126831 | 12/16/25 17:22 | CS | EET MID |

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-66088-1

Project/Site: Lea Unit West Flare (12.03.2025)

SDG: Lea County New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas | NELAP | T104704400 | 06-30-26 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|------------|
| 8015 NM | | Solid | Total TPH |
| Total BTEX | | Solid | Total BTEX |

Method Summary

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66088-1
 SDG: Lea County New Mexico

| Method | Method Description | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B | Volatile Organic Compounds (GC) | SW846 | EET MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | EET MID |
| 8015 NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 8015B NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 300.0 | Anions, Ion Chromatography | EPA | EET MID |
| 5035 | Closed System Purge and Trap | SW846 | EET MID |
| 8015NM Prep | Microextraction | SW846 | EET MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | EET MID |

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Sample Summary

Client: Carmona Resources

Job ID: 880-66088-1

Project/Site: Lea Unit West Flare (12.03.2025)

SDG: Lea County New Mexico

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Sample Origin |
|---------------|------------------|--------|----------------|----------------|---------------|
| 880-66088-1 | CS -1 (0-0.25') | Solid | 12/12/25 00:00 | 12/12/25 13:26 | Texas |
| 880-66088-2 | CS -2 (0-0.25') | Solid | 12/12/25 00:00 | 12/12/25 13:26 | Texas |
| 880-66088-3 | CS -3 (0-0.25') | Solid | 12/12/25 00:00 | 12/12/25 13:26 | Texas |
| 880-66088-4 | CS -4 (0-0.25') | Solid | 12/12/25 00:00 | 12/12/25 13:26 | Texas |

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Eurofins Midland

Chain of Custody

A standard 1D barcode is positioned vertically on the left side of the page. It is composed of vertical black lines of varying widths on a white background.

| | | | |
|------------------|-----------------------|-------------------------|---------------------------------|
| Project Manager: | Ashton Thielke | Bill to: (if different) | Laci Luig |
| Company Name: | Carmona Resources | Company Name: | Cimarex Energy |
| Address: | 310 W Wall St Ste 500 | Address: | 600 N Marienfield St, Suite 600 |
| City, State ZIP: | Midland, TX 79701 | City, State ZIP: | Midland, TX 79701 |

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order Comments | |
| Page <u>1</u> of <u>1</u> | |
| Program: USIPST <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"/> STS/STU <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/> | |
| Deliverables: FDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____ | |

Received by OCD: 1/8/2026 10:27:27 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-66088-1
SDG Number: Lea County New Mexico**Login Number: 66088****List Source: Eurofins Midland****List Number: 1****Creator: Neeld, Linsey**

| Question | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 12/22/2025 1:58:30 PM

JOB DESCRIPTION

Lea Unit West Flare (12.03.2025)
Lea County New Mexico

JOB NUMBER

880-66089-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
12/22/2025 1:58:30 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66089-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

| Qualifier | Qualifier Description |
|-----------|------------------------------------------------------------|
| *+ | LCS and/or LCSD is outside acceptance limits, high biased. |
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|----------------------------------------------------------|
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

HPLC/IC

| Qualifier | Qualifier Description |
|-----------|----------------------------------------------------------|
| U | Indicates the analyte was analyzed for but not detected. |

Glossary

Abbreviation

These commonly used abbreviations may or may not be present in this report.

| | |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ⊗ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Case Narrative

Client: Carmona Resources
Project: Lea Unit West Flare (12.03.2025)

Job ID: 880-66089-1

Job ID: 880-66089-1

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Job Narrative 880-66089-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 12/12/2025 1:26 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-66089-1), H-2 (0-0.5') (880-66089-2), H-3 (0-0.5') (880-66089-3) and H-4 (0-0.5') (880-66089-4).

GC VOA

Method 8021B: The laboratory control sample duplicate (LCSD) associated with preparation batch 880-127065 and analytical batch 880-127051 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-1 (0-0.5') (880-66089-1), H-2 (0-0.5') (880-66089-2) and (CCV 880-127051/33). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-127065 and analytical batch 880-127051 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-127065/1-A), (LCSD 880-127065/2-A), (890-9241-A-8-E), (890-9241-A-8-C MS) and (890-9241-A-8-D MSD). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-66087-A-23-B MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66089-1
 SDG: Lea County New Mexico

Client Sample ID: H-1 (0-0.5')

Lab Sample ID: 880-66089-1

Matrix: Solid

Date Collected: 12/12/25 00:00
 Date Received: 12/12/25 13:26

Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|----------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 18:25 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 18:25 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 18:25 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 18:25 | 1 |
| o-Xylene | <0.00200 | U *+ | 0.00200 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 18:25 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 18:25 | 1 |
| Surrogate | | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 283 | S1+ | 70 - 130 | | | | 12/18/25 10:14 | 12/18/25 18:25 | 1 |
| 1,4-Difluorobenzene (Surr) | 82 | | 70 - 130 | | | | 12/18/25 10:14 | 12/18/25 18:25 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U | 0.00400 | | mg/Kg | | | 12/18/25 18:25 | 1 |

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 12/20/25 17:39 | 1 |

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 49.8 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 17:39 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 17:39 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 17:39 | 1 |
| Surrogate | | | | | | | | | |
| 1-Chlorooctane (Surr) | 120 | | 70 - 130 | | | | 12/12/25 15:34 | 12/20/25 17:39 | 1 |
| o-Terphenyl (Surr) | 109 | | 70 - 130 | | | | 12/12/25 15:34 | 12/20/25 17:39 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 18.0 | | 9.92 | | mg/Kg | | | 12/16/25 17:27 | 1 |

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-66089-2

Matrix: Solid

Date Collected: 12/12/25 00:00
 Date Received: 12/12/25 13:26

Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|----------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 18:45 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 18:45 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 18:45 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 18:45 | 1 |
| o-Xylene | <0.00200 | U *+ | 0.00200 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 18:45 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 18:45 | 1 |
| Surrogate | | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 397 | S1+ | 70 - 130 | | | | 12/18/25 10:14 | 12/18/25 18:45 | 1 |
| 1,4-Difluorobenzene (Surr) | 95 | | 70 - 130 | | | | 12/18/25 10:14 | 12/18/25 18:45 | 1 |

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66089-1
 SDG: Lea County New Mexico

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-66089-2

Matrix: Solid

Date Collected: 12/12/25 00:00
 Date Received: 12/12/25 13:26

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 12/18/25 18:45 | 1 |

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 12/20/25 17:54 | 1 |

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 17:54 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 17:54 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 17:54 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane (Surr) | 127 | | 70 - 130 | | | | 12/12/25 15:34 | 12/20/25 17:54 | 1 |
| <i>o</i> -Terphenyl (Surr) | 116 | | 70 - 130 | | | | 12/12/25 15:34 | 12/20/25 17:54 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 24.1 | | 10.1 | | mg/Kg | | | 12/16/25 17:32 | 1 |

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-66089-3

Matrix: Solid

Date Collected: 12/12/25 00:00

Date Received: 12/12/25 13:26

Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 19:06 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 19:06 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 19:06 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 19:06 | 1 |
| <i>o</i> -Xylene | <0.00201 | U *+ | 0.00201 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 19:06 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 19:06 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 352 | S1+ | 70 - 130 | | | | 12/18/25 10:14 | 12/18/25 19:06 | 1 |
| 1,4-Difluorobenzene (Surr) | 90 | | 70 - 130 | | | | 12/18/25 10:14 | 12/18/25 19:06 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 12/18/25 19:06 | 1 |

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.2 | U | 50.2 | | mg/Kg | | | 12/20/25 18:09 | 1 |

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.2 | U | 50.2 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 18:09 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.2 | U | 50.2 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 18:09 | 1 |

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Client Sample Results

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66089-1
 SDG: Lea County New Mexico

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-66089-3

Matrix: Solid

Date Collected: 12/12/25 00:00
 Date Received: 12/12/25 13:26

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|--------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.2 | U | 50.2 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 18:09 | 1 |
| Surrogate | | | | | | | | | |
| 1-Chlorooctane (Surr) | 125 | | 70 - 130 | | | | 12/12/25 15:34 | 12/20/25 18:09 | 1 |
| o-Terphenyl (Surr) | 113 | | 70 - 130 | | | | 12/12/25 15:34 | 12/20/25 18:09 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 156 | | 9.94 | | mg/Kg | | | 12/16/25 17:38 | 1 |

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-66089-4

Matrix: Solid

Date Collected: 12/12/25 00:00
 Date Received: 12/12/25 13:26

Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 19:26 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 19:26 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 19:26 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U | 0.00404 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 19:26 | 1 |
| o-Xylene | <0.00202 | U *+ | 0.00202 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 19:26 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | | mg/Kg | | 12/18/25 10:14 | 12/18/25 19:26 | 1 |
| Surrogate | | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 398 | S1+ | 70 - 130 | | | | 12/18/25 10:14 | 12/18/25 19:26 | 1 |
| 1,4-Difluorobenzene (Surr) | 99 | | 70 - 130 | | | | 12/18/25 10:14 | 12/18/25 19:26 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U | 0.00404 | | mg/Kg | | | 12/18/25 19:26 | 1 |

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.1 | U | 50.1 | | mg/Kg | | | 12/20/25 18:39 | 1 |

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.1 | U | 50.1 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 18:39 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.1 | U | 50.1 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 18:39 | 1 |
| Oil Range Organics (Over C28-C36) | <50.1 | U | 50.1 | | mg/Kg | | 12/12/25 15:34 | 12/20/25 18:39 | 1 |
| Surrogate | | | | | | | | | |
| 1-Chlorooctane (Surr) | 123 | | 70 - 130 | | | | 12/12/25 15:34 | 12/20/25 18:39 | 1 |
| o-Terphenyl (Surr) | 111 | | 70 - 130 | | | | 12/12/25 15:34 | 12/20/25 18:39 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 86.4 | | 9.92 | | mg/Kg | | | 12/16/25 17:43 | 1 |

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-66089-1

Project/Site: Lea Unit West Flare (12.03.2025)

SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) | | | | | | | | | |
|---------------------|------------------------|------------------|-------------------|--|--|--|--|--|--|--|--|--|
| 880-66089-1 | H-1 (0-0.5') | 283 S1+ | 82 | | | | | | | | | |
| 880-66089-2 | H-2 (0-0.5') | 397 S1+ | 95 | | | | | | | | | |
| 880-66089-3 | H-3 (0-0.5') | 352 S1+ | 90 | | | | | | | | | |
| 880-66089-4 | H-4 (0-0.5') | 398 S1+ | 99 | | | | | | | | | |
| 890-9241-A-8-C MS | Matrix Spike | 222 S1+ | 90 | | | | | | | | | |
| 890-9241-A-8-D MSD | Matrix Spike Duplicate | 207 S1+ | 75 | | | | | | | | | |
| LCS 880-127065/1-A | Lab Control Sample | 232 S1+ | 81 | | | | | | | | | |
| LCSD 880-127065/2-A | Lab Control Sample Dup | 253 S1+ | 77 | | | | | | | | | |
| MB 880-127065/5-A | Method Blank | 292 S1+ | 76 | | | | | | | | | |

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | 1CO1 (70-130) | OTPH1 (70-130) | | | | | | | | | |
|----------------------|------------------------|------------------|-------------------|--|--|--|--|--|--|--|--|--|
| 880-66087-A-23-B MS | Matrix Spike | 145 S1+ | 115 | | | | | | | | | |
| 880-66087-A-23-C MSD | Matrix Spike Duplicate | 118 | 117 | | | | | | | | | |
| 880-66089-1 | H-1 (0-0.5') | 120 | 109 | | | | | | | | | |
| 880-66089-2 | H-2 (0-0.5') | 127 | 116 | | | | | | | | | |
| 880-66089-3 | H-3 (0-0.5') | 125 | 113 | | | | | | | | | |
| 880-66089-4 | H-4 (0-0.5') | 123 | 111 | | | | | | | | | |
| LCS 880-126560/2-A | Lab Control Sample | 116 | 119 | | | | | | | | | |
| LCSD 880-126560/3-A | Lab Control Sample Dup | 101 | 101 | | | | | | | | | |
| MB 880-126560/1-A | Method Blank | 130 | 115 | | | | | | | | | |

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66089-1
 SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-127065/5-A

Matrix: Solid

Analysis Batch: 127051

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127065

| Analyte | MB | MB | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|----------|-----------|-----------|----------------|----------------|----------------|----------------|---------|----------|----------|---------|
| | Result | Qualifier | | | | | | | | | |
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | 12/18/25 10:14 | 12/18/25 11:23 | 1 | | | |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | 12/18/25 10:14 | 12/18/25 11:23 | 1 | | | |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | 12/18/25 10:14 | 12/18/25 11:23 | 1 | | | |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | 12/18/25 10:14 | 12/18/25 11:23 | 1 | | | |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | 12/18/25 10:14 | 12/18/25 11:23 | 1 | | | |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | 12/18/25 10:14 | 12/18/25 11:23 | 1 | | | |
| Surrogate | MB | MB | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac | | | |
| | Result | Qualifier | | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 292 | S1+ | 70 - 130 | 12/18/25 10:14 | 12/18/25 11:23 | 1 | | | | | |
| 1,4-Difluorobenzene (Surr) | 76 | | 70 - 130 | 12/18/25 10:14 | 12/18/25 11:23 | 1 | | | | | |

Lab Sample ID: LCS 880-127065/1-A

Matrix: Solid

Analysis Batch: 127051

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127065

| Analyte | Spikes | LCS | LCS | Result | Qualifier | Unit | D | %Rec | Limits | RPD |
|-----------------------------|--------|-----------|-----------|----------------|----------------|----------|----------|---------|--------|-----|
| | Added | Result | Qualifier | | | | | | | |
| Benzene | 0.100 | 0.1002 | | mg/Kg | 100 | 70 - 130 | | | | |
| Toluene | 0.100 | 0.1108 | | mg/Kg | 111 | 70 - 130 | | | | |
| Ethylbenzene | 0.100 | 0.1085 | | mg/Kg | 108 | 70 - 130 | | | | |
| m-Xylene & p-Xylene | 0.200 | 0.2259 | | mg/Kg | 113 | 70 - 130 | | | | |
| o-Xylene | 0.100 | 0.1163 | | mg/Kg | 116 | 70 - 130 | | | | |
| Surrogate | LCS | LCS | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac | | |
| | Result | Qualifier | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 232 | S1+ | 70 - 130 | 12/18/25 10:14 | 12/18/25 11:23 | 1 | | | | |
| 1,4-Difluorobenzene (Surr) | 81 | | 70 - 130 | 12/18/25 10:14 | 12/18/25 11:23 | 1 | | | | |

Lab Sample ID: LCSD 880-127065/2-A

Matrix: Solid

Analysis Batch: 127051

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 127065

| Analyte | Spikes | LCSD | LCSD | Result | Qualifier | Unit | D | %Rec | Limits | RPD |
|-----------------------------|--------|-----------|-----------|----------------|----------------|----------|----------|---------|--------|-----|
| | Added | Result | Qualifier | | | | | | | |
| Benzene | 0.100 | 0.1118 | | mg/Kg | 112 | 70 - 130 | | | | |
| Toluene | 0.100 | 0.1247 | | mg/Kg | 125 | 70 - 130 | | | | |
| Ethylbenzene | 0.100 | 0.1237 | | mg/Kg | 124 | 70 - 130 | | | | |
| m-Xylene & p-Xylene | 0.200 | 0.2565 | | mg/Kg | 128 | 70 - 130 | | | | |
| o-Xylene | 0.100 | 0.1321 | *+ | mg/Kg | 132 | 70 - 130 | | | | |
| Surrogate | LCSD | LCSD | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac | | |
| | Result | Qualifier | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 253 | S1+ | 70 - 130 | 12/18/25 10:14 | 12/18/25 11:23 | 1 | | | | |
| 1,4-Difluorobenzene (Surr) | 77 | | 70 - 130 | 12/18/25 10:14 | 12/18/25 11:23 | 1 | | | | |

Lab Sample ID: 890-9241-A-8-C MS

Matrix: Solid

Analysis Batch: 127051

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 127065

| Analyte | Sample | Sample | Spikes | MS | MS | Result | Qualifier | Unit | D | %Rec |
|---------|----------|-----------|--------|--------|-----------|--------|-----------|----------|---|------|
| | Result | Qualifier | Added | Result | Qualifier | | | | | |
| Benzene | <0.00109 | U | 0.100 | 0.1068 | | mg/Kg | 107 | 70 - 130 | | |
| Toluene | <0.00109 | U | 0.100 | 0.1124 | | mg/Kg | 112 | 70 - 130 | | |

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66089-1
 SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-9241-A-8-C MS

Matrix: Solid

Analysis Batch: 127051

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 127065

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec | %Rec |
|-----------------------------|----------|------------------|------------------|---------------|-----------|-------|-----|----------|------|
| | Result | Qualifier | Added | Result | Qualifier | | | | |
| Ethylbenzene | <0.00109 | U | 0.100 | 0.1105 | | mg/Kg | 111 | 70 - 130 | |
| m-Xylene & p-Xylene | <0.00219 | U | 0.200 | 0.2322 | | mg/Kg | 116 | 70 - 130 | |
| o-Xylene | <0.00109 | U *+ | 0.100 | 0.1170 | | mg/Kg | 117 | 70 - 130 | |
| Surrogate | | MS | MS | | | | | | |
| | | %Recovery | Qualifier | Limits | | | | | |
| 4-Bromofluorobenzene (Surr) | 222 | S1+ | | 70 - 130 | | | | | |
| 1,4-Difluorobenzene (Surr) | 90 | | | 70 - 130 | | | | | |

Lab Sample ID: 890-9241-A-8-D MSD

Matrix: Solid

Analysis Batch: 127051

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 127065

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec | RPD | RPD |
|-----------------------------|----------|------------------|------------------|---------------|-----------|-------|-----|----------|------|-----|-----|
| | Result | Qualifier | Added | Result | Qualifier | | | | | | |
| Benzene | <0.00109 | U | 0.100 | 0.1073 | | mg/Kg | 107 | 70 - 130 | | 0 | 35 |
| Toluene | <0.00109 | U | 0.100 | 0.1100 | | mg/Kg | 110 | 70 - 130 | | 2 | 35 |
| Ethylbenzene | <0.00109 | U | 0.100 | 0.1080 | | mg/Kg | 108 | 70 - 130 | | 2 | 35 |
| m-Xylene & p-Xylene | <0.00219 | U | 0.200 | 0.2260 | | mg/Kg | 113 | 70 - 130 | | 3 | 35 |
| o-Xylene | <0.00109 | U *+ | 0.100 | 0.1133 | | mg/Kg | 113 | 70 - 130 | | 3 | 35 |
| Surrogate | | MSD | MSD | | | | | | | | |
| | | %Recovery | Qualifier | Limits | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 207 | S1+ | | 70 - 130 | | | | | | | |
| 1,4-Difluorobenzene (Surr) | 75 | | | 70 - 130 | | | | | | | |

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-126560/1-A

Matrix: Solid

Analysis Batch: 127326

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 126560

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| | Result | Qualifier | | | | | | | |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 12/12/25 15:33 | 12/20/25 08:31 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 12/12/25 15:33 | 12/20/25 08:31 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 12/12/25 15:33 | 12/20/25 08:31 | 1 |
| Surrogate | | MB | MB | | | | Prepared | Analyzed | Dil Fac |
| | | %Recovery | Qualifier | Limits | | | | | |
| 1-Chlorooctane (Surr) | 130 | | 70 - 130 | | | | 12/12/25 15:33 | 12/20/25 08:31 | 1 |
| o-Terphenyl (Surr) | 115 | | 70 - 130 | | | | 12/12/25 15:33 | 12/20/25 08:31 | 1 |

Lab Sample ID: LCS 880-126560/2-A

Matrix: Solid

Analysis Batch: 127326

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 126560

| Analyte | Spike | LCS | LCS | Unit | D | %Rec | %Rec |
|--------------------------------------|-------|--------|-----------|-------|-----|----------|------|
| | Added | Result | Qualifier | | | | |
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1248 | | mg/Kg | 125 | 70 - 130 | |
| Diesel Range Organics (Over C10-C28) | 1000 | 1290 | | mg/Kg | 129 | 70 - 130 | |

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66089-1
 SDG: Lea County New Mexico

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-126560/2-A

Matrix: Solid

Analysis Batch: 127326

| Surrogate | LCS | LCS | |
|----------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | Limits |
| 1-Chlorooctane (Surr) | 116 | | 70 - 130 |
| <i>o</i> -Terphenyl (Surr) | 119 | | 70 - 130 |

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 126560

Lab Sample ID: LCSD 880-126560/3-A

Matrix: Solid

Analysis Batch: 127326

| Analyte | | Spike | LCSD | LCSD | | | %Rec | RPD |
|--------------------------------------|-------------|-------------|----------|-----------|-------|---|------|----------|
| | | Added | Result | Qualifier | Unit | D | %Rec | Limit |
| Gasoline Range Organics (GRO)-C6-C10 | | 1000 | 1094 | | mg/Kg | | 109 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | | 1000 | 1129 | | mg/Kg | | 113 | 70 - 130 |
| <i>Surrogate</i> | <i>LCSD</i> | <i>LCSD</i> | | | | | | |
| | %Recovery | Qualifier | Limits | | | | | |
| 1-Chlorooctane (Surr) | 101 | | 70 - 130 | | | | | |
| <i>o</i> -Terphenyl (Surr) | 101 | | 70 - 130 | | | | | |

Lab Sample ID: 880-66087-A-23-B MS

Matrix: Solid

Analysis Batch: 127326

| Analyte | Sample | Sample | Spike | MS | MS | | %Rec | |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|------|------|
| | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec |
| Gasoline Range Organics (GRO)-C6-C10 | <50.4 | U | 991 | 953.9 | | mg/Kg | | 96 |
| Diesel Range Organics (Over C10-C28) | <50.4 | U | 991 | 924.0 | | mg/Kg | | 93 |
| <i>Surrogate</i> | <i>MS</i> | <i>MS</i> | | | | | | |
| | %Recovery | Qualifier | Limits | | | | | |
| 1-Chlorooctane (Surr) | 145 | S1+ | 70 - 130 | | | | | |
| <i>o</i> -Terphenyl (Surr) | 115 | | 70 - 130 | | | | | |

Lab Sample ID: 880-66087-A-23-C MSD

Matrix: Solid

Analysis Batch: 127326

| Analyte | Sample | Sample | Spike | MSD | MSD | | %Rec | |
|--------------------------------------|------------|------------|----------|--------|-----------|-------|------|------|
| | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec |
| Gasoline Range Organics (GRO)-C6-C10 | <50.4 | U | 991 | 949.2 | | mg/Kg | | 96 |
| Diesel Range Organics (Over C10-C28) | <50.4 | U | 991 | 992.6 | | mg/Kg | | 100 |
| <i>Surrogate</i> | <i>MSD</i> | <i>MSD</i> | | | | | | |
| | %Recovery | Qualifier | Limits | | | | | |
| 1-Chlorooctane (Surr) | 118 | | 70 - 130 | | | | | |
| <i>o</i> -Terphenyl (Surr) | 117 | | 70 - 130 | | | | | |

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 126560

QC Sample Results

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66089-1
 SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-126807/1-A

Matrix: Solid

Analysis Batch: 126831

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------------|-----------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <10.0 | U | 10.0 | | mg/Kg | | | 12/16/25 15:14 | 1 |

Lab Sample ID: LCS 880-126807/2-A

Matrix: Solid

Analysis Batch: 126831

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | | |
|----------|--|----------------|---------------|------------------|-------|---|------|----------|--|
| Chloride | | 250 | 235.3 | | mg/Kg | | 94 | 90 - 110 | |

Lab Sample ID: LCSD 880-126807/3-A

Matrix: Solid

Analysis Batch: 126831

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | | RPD |
|----------|--|----------------|----------------|-------------------|-------|---|------|----------|-----|
| Chloride | | 250 | 234.9 | | mg/Kg | | 94 | 90 - 110 | 0 |

Lab Sample ID: 880-66088-A-1-D MS

Matrix: Solid

Analysis Batch: 126831

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------|
| Chloride | 343 | | 251 | 599.2 | | mg/Kg | | 102 | 90 - 110 |

Lab Sample ID: 880-66088-A-1-E MSD

Matrix: Solid

Analysis Batch: 126831

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------|
| Chloride | 343 | | 251 | 596.4 | | mg/Kg | | 101 | 90 - 110 |

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66089-1
 SDG: Lea County New Mexico

GC VOA

Analysis Batch: 127051

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-66089-1 | H-1 (0-0.5') | Total/NA | Solid | 8021B | 127065 |
| 880-66089-2 | H-2 (0-0.5') | Total/NA | Solid | 8021B | 127065 |
| 880-66089-3 | H-3 (0-0.5') | Total/NA | Solid | 8021B | 127065 |
| 880-66089-4 | H-4 (0-0.5') | Total/NA | Solid | 8021B | 127065 |
| MB 880-127065/5-A | Method Blank | Total/NA | Solid | 8021B | 127065 |
| LCS 880-127065/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 127065 |
| LCSD 880-127065/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 127065 |
| 890-9241-A-8-C MS | Matrix Spike | Total/NA | Solid | 8021B | 127065 |
| 890-9241-A-8-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 127065 |

Prep Batch: 127065

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-66089-1 | H-1 (0-0.5') | Total/NA | Solid | 5035 | 10 |
| 880-66089-2 | H-2 (0-0.5') | Total/NA | Solid | 5035 | 11 |
| 880-66089-3 | H-3 (0-0.5') | Total/NA | Solid | 5035 | 12 |
| 880-66089-4 | H-4 (0-0.5') | Total/NA | Solid | 5035 | 13 |
| MB 880-127065/5-A | Method Blank | Total/NA | Solid | 5035 | 14 |
| LCS 880-127065/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-127065/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 890-9241-A-8-C MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 890-9241-A-8-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Analysis Batch: 127295

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-66089-1 | H-1 (0-0.5') | Total/NA | Solid | Total BTEX | |
| 880-66089-2 | H-2 (0-0.5') | Total/NA | Solid | Total BTEX | |
| 880-66089-3 | H-3 (0-0.5') | Total/NA | Solid | Total BTEX | |
| 880-66089-4 | H-4 (0-0.5') | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Prep Batch: 126560

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|-------------|------------|
| 880-66089-1 | H-1 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| 880-66089-2 | H-2 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| 880-66089-3 | H-3 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| 880-66089-4 | H-4 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| MB 880-126560/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-126560/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-126560/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-66087-A-23-B MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 880-66087-A-23-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 127326

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|----------|------------|
| 880-66089-1 | H-1 (0-0.5') | Total/NA | Solid | 8015B NM | 126560 |
| 880-66089-2 | H-2 (0-0.5') | Total/NA | Solid | 8015B NM | 126560 |
| 880-66089-3 | H-3 (0-0.5') | Total/NA | Solid | 8015B NM | 126560 |
| 880-66089-4 | H-4 (0-0.5') | Total/NA | Solid | 8015B NM | 126560 |
| MB 880-126560/1-A | Method Blank | Total/NA | Solid | 8015B NM | 126560 |
| LCS 880-126560/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 126560 |

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QC Association Summary

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66089-1
 SDG: Lea County New Mexico

GC Semi VOA (Continued)**Analysis Batch: 127326 (Continued)**

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|----------|------------|
| LCSD 880-126560/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 126560 |
| 880-66087-A-23-B MS | Matrix Spike | Total/NA | Solid | 8015B NM | 126560 |
| 880-66087-A-23-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 126560 |

Analysis Batch: 127457

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-66089-1 | H-1 (0-0.5') | Total/NA | Solid | 8015 NM | |
| 880-66089-2 | H-2 (0-0.5') | Total/NA | Solid | 8015 NM | |
| 880-66089-3 | H-3 (0-0.5') | Total/NA | Solid | 8015 NM | |
| 880-66089-4 | H-4 (0-0.5') | Total/NA | Solid | 8015 NM | |

HPLC/IC**Leach Batch: 126807**

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-66089-1 | H-1 (0-0.5') | Soluble | Solid | DI Leach | |
| 880-66089-2 | H-2 (0-0.5') | Soluble | Solid | DI Leach | |
| 880-66089-3 | H-3 (0-0.5') | Soluble | Solid | DI Leach | |
| 880-66089-4 | H-4 (0-0.5') | Soluble | Solid | DI Leach | |
| MB 880-126807/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-126807/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-126807/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-66088-A-1-D MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 880-66088-A-1-E MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

Analysis Batch: 126831

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-66089-1 | H-1 (0-0.5') | Soluble | Solid | 300.0 | 126807 |
| 880-66089-2 | H-2 (0-0.5') | Soluble | Solid | 300.0 | 126807 |
| 880-66089-3 | H-3 (0-0.5') | Soluble | Solid | 300.0 | 126807 |
| 880-66089-4 | H-4 (0-0.5') | Soluble | Solid | 300.0 | 126807 |
| MB 880-126807/1-A | Method Blank | Soluble | Solid | 300.0 | 126807 |
| LCS 880-126807/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 126807 |
| LCSD 880-126807/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 126807 |
| 880-66088-A-1-D MS | Matrix Spike | Soluble | Solid | 300.0 | 126807 |
| 880-66088-A-1-E MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 126807 |

Lab Chronicle

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66089-1
 SDG: Lea County New Mexico

Client Sample ID: H-1 (0-0.5')

Lab Sample ID: 880-66089-1

Matrix: Solid

Date Collected: 12/12/25 00:00

Date Received: 12/12/25 13:26

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.00 g | 5 mL | 127065 | 12/18/25 10:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 127051 | 12/18/25 18:25 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 127295 | 12/18/25 18:25 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 127457 | 12/20/25 17:39 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.05 g | 10.00 mL | 126560 | 12/12/25 15:34 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 127326 | 12/20/25 17:39 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 126807 | 12/16/25 09:32 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 126831 | 12/16/25 17:27 | CS | EET MID |

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-66089-2

Matrix: Solid

Date Collected: 12/12/25 00:00

Date Received: 12/12/25 13:26

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 127065 | 12/18/25 10:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 127051 | 12/18/25 18:45 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 127295 | 12/18/25 18:45 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 127457 | 12/20/25 17:54 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10.00 mL | 126560 | 12/12/25 15:34 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 127326 | 12/20/25 17:54 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 126807 | 12/16/25 09:32 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 126831 | 12/16/25 17:32 | CS | EET MID |

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-66089-3

Matrix: Solid

Date Collected: 12/12/25 00:00

Date Received: 12/12/25 13:26

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 4.98 g | 5 mL | 127065 | 12/18/25 10:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 127051 | 12/18/25 19:06 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 127295 | 12/18/25 19:06 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 127457 | 12/20/25 18:09 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.97 g | 10.00 mL | 126560 | 12/12/25 15:34 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 127326 | 12/20/25 18:09 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 126807 | 12/16/25 09:32 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 126831 | 12/16/25 17:38 | CS | EET MID |

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-66089-4

Matrix: Solid

Date Collected: 12/12/25 00:00

Date Received: 12/12/25 13:26

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 4.95 g | 5 mL | 127065 | 12/18/25 10:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 127051 | 12/18/25 19:26 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 127295 | 12/18/25 19:26 | SA | EET MID |

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66089-1
 SDG: Lea County New Mexico

Client Sample ID: H-4 (0-0.5')**Lab Sample ID: 880-66089-4**

Matrix: Solid

Date Collected: 12/12/25 00:00
 Date Received: 12/12/25 13:26

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8015 NM | | 1 | | | 127457 | 12/20/25 18:39 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.98 g | 10.00 mL | 126560 | 12/12/25 15:34 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 127326 | 12/20/25 18:39 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 126807 | 12/16/25 09:32 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 126831 | 12/16/25 17:43 | CS | EET MID |

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-66089-1

Project/Site: Lea Unit West Flare (12.03.2025)

SDG: Lea County New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas | NELAP | T104704400 | 06-30-26 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|------------|
| 8015 NM | | Solid | Total TPH |
| Total BTEX | | Solid | Total BTEX |

Method Summary

Client: Carmona Resources
 Project/Site: Lea Unit West Flare (12.03.2025)

Job ID: 880-66089-1
 SDG: Lea County New Mexico

| Method | Method Description | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B | Volatile Organic Compounds (GC) | SW846 | EET MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | EET MID |
| 8015 NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 8015B NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 300.0 | Anions, Ion Chromatography | EPA | EET MID |
| 5035 | Closed System Purge and Trap | SW846 | EET MID |
| 8015NM Prep | Microextraction | SW846 | EET MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | EET MID |

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Sample Summary

Client: Carmona Resources

Job ID: 880-66089-1

Project/Site: Lea Unit West Flare (12.03.2025)

SDG: Lea County New Mexico

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Sample Origin |
|---------------|------------------|--------|----------------|----------------|---------------|
| 880-66089-1 | H-1 (0-0.5') | Solid | 12/12/25 00:00 | 12/12/25 13:26 | Texas |
| 880-66089-2 | H-2 (0-0.5') | Solid | 12/12/25 00:00 | 12/12/25 13:26 | Texas |
| 880-66089-3 | H-3 (0-0.5') | Solid | 12/12/25 00:00 | 12/12/25 13:26 | Texas |
| 880-66089-4 | H-4 (0-0.5') | Solid | 12/12/25 00:00 | 12/12/25 13:26 | Texas |

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Eurofins Midland

Chain of Custody

880-66089 Chain of Custody



Received by OCD: 1/8/2026 10:27:27 AM

Released to Imaging: 1/16/2026 10:31:34 AM

12/22/2025

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-66089-1
SDG Number: Lea County New Mexico**Login Number: 66089****List Source: Eurofins Midland****List Number: 1****Creator: Juarez, Leticia**

| Question | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |

From: [Ashton Thielke](#)
To: [Wells, Shelly, EMNRD](#)
Subject: [EXTERNAL] RE: nAPP2533752426 Lea Unit West Flare
Date: Thursday, January 15, 2026 4:08:30 PM

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

Good afternoon Shelly,

Thank you for reaching out.

Coincidentally, this well pad was being reclaimed when this flare had the release/fire. The area was scraped under the flare and then material off to the side (east H-1) was utilized to backfill the shallow surface scrape. (Since there was excess caliche from the surface reclamation of that well pad.

We are not sure if this 100% constituents a variance request as we are just stating that the material used for backfill was laboratory tested during confirmation sampling and represents the sample "H-1". We have included this in the past on other reports where we have utilized backfill material already onsite or from the well pad that is already represented by a horizontal delineation sample. This is in place of a totally separate analyzed sample that we sometimes utilize for backfill when backfilling from a pit offsite.

The backfill material utilized did not have any contamination as shown in Table 1 and appendix E.

I hope that helps!

Thanks!



Ashton Thielke | PBU - Environmental Consultant
T: 432.813.8988 | M: 281.753.5659 | Ashton.Thielke@coterra.com | www.coterra.com
Coterra Energy Inc. | 6001 Deauville Blvd., Suite 300N | Midland, TX 79706

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

From: Wells,, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, January 15, 2026 4:33 PM
To: Ashton Thielke <Ashton.Thielke@coterra.com>
Subject: [EXTERNAL] nAPP2533752426 Lea Unit West Flare

WARNING: This email originated from outside of Coterra Energy. Do not click links or open attachments unless you recognize the sender, are expecting the content and know it is safe.

Hi Ashton,

I am reviewing the submitted closure report for nAPP2533752426 Lea Unit West Flare and have questions for you regarding the following: "Additionally, due to the shallow nature of the surface scrape, a variance to NMAC 19.15.29.12.D.2 is requested in relation to backfilling the excavated (scraped) area. Excess material from the well pad was pushed up to add additional caliche to the access road. Sample point "H-1" represents the material that was used to backfill the scraped area."

So after you did the surface scrape and that material was hauled off to disposal, are you saying you used pad material from under the flare to fill in the access road? If so, was this after the sampling occurred? Technically you have not submitted a variance request per the rule as variances are to include the following per [19.15.29.14](#) NMAC: (1) a detailed statement explaining the need for a variance; and (2) a detailed written demonstration that the variance will provide equal or better protection of fresh water, public health and the environment.

Kind regards,

Shelly

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

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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 541297

QUESTIONS

| | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706 | OGRID: 330396 |
| | Action Number: 541297 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| | |

QUESTIONS

| Prerequisites | |
|------------------|---------------------------------------------------|
| Incident ID (n#) | nAPP2533752426 |
| Incident Name | NAPP2533752426 LEA UNIT WEST FLARE @ D-12-20S-34E |
| Incident Type | Fire |
| Incident Status | Remediation Closure Report Received |

Location of Release Source*Please answer all the questions in this group.*

| | |
|-------------------------|---------------------|
| Site Name | Lea Unit West Flare |
| Date Release Discovered | 12/03/2025 |
| Surface Owner | Federal |

Incident Details*Please answer all the questions in this group.*

| | |
|------------------------------------------------------------------------------------------------------|------|
| Incident Type | Fire |
| Did this release result in a fire or is the result of a fire | Yes |
| 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: Human Error Other (Specify) Crude Oil Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL. |
| Produced Water Released (bbls) Details | Not answered. |
| 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) | We had a reportable fire at the Lea Unit West Flare due to fluid carrying over to the flare. It was discovered that a valve on the air compressor supply line was closed, resulting in fluid carrying over from the separator to the flare. The fire was extinguished by the Hobbs Fire Department. Minor damage occurred to the flare and no injuries or impact to the environment resulted from the incident. We will be scheduling an assessment and remediation of the affected area in the coming weeks. Released: 0.01 barrels of crude oil Recovered: 0 barrels |

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QUESTIONS, Page 2

Action 541297

QUESTIONS (continued)

| | |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706 | OGRID: 330396 |
| | Action Number: 541297 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| | |

QUESTIONS

| | |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nature and Volume of Release (continued) | |
| Is this a gas only submission (i.e. only significant Mcf values reported) | More info needed to determine if this will be treated as 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: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire. |

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 | |
| <i>The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.</i> | |
| The source of the release has been stopped | True |
| The impacted area has been secured to protect human health and the environment | True |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True |
| All free liquids and recoverable materials have been removed and managed appropriately | True |
| If all the actions described above have not been undertaken, explain why | <i>Not answered.</i> |

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

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

| | |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| I hereby agree and sign off to the above statement | Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 01/08/2026 |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------|

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

QUESTIONS, Page 3

Action 541297

QUESTIONS (continued)

| | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706 | OGRID: 330396 |
| | Action Number: 541297 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| | |

QUESTIONS**Site Characterization**

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

| | |
|----------------------------------------------------------------------------------------------------------------------------|---------------------------|
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) | Between 100 and 500 (ft.) |
| What method was used to determine the depth to ground water | Direct Measurement |
| Did this release impact groundwater or surface water | No |
| What is the minimum distance, between the closest lateral extents of the release and the following surface areas: | |
| A continuously flowing watercourse or any other significant watercourse | Greater than 5 (mi.) |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | Between 1 and 5 (mi.) |
| An occupied permanent residence, school, hospital, institution, or church | Between 1 and 5 (mi.) |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes | Between 1 and 5 (mi.) |
| Any other fresh water well or spring | Between 1 and 5 (mi.) |
| Incorporated municipal boundaries or a defined municipal fresh water well field | Greater than 5 (mi.) |
| A wetland | Between 1 and 5 (mi.) |
| A subsurface mine | Greater than 5 (mi.) |
| An (non-karst) unstable area | Greater than 5 (mi.) |
| Categorize the risk of this well / site being in a karst geology | Low |
| A 100-year floodplain | Between 1 and 5 (mi.) |
| Did the release impact areas not on an exploration, development, production, or storage site | No |

Remediation Plan

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) | 343 |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) | 85.7 |
| GRO+DRO (EPA SW-846 Method 8015M) | 85.7 |
| BTEX (EPA SW-846 Method 8021B or 8260B) | 0 |
| Benzene (EPA SW-846 Method 8021B or 8260B) | 0 |

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

| | |
|-----------------------------------------------------------------------------|------------|
| On what estimated date will the remediation commence | 12/03/2025 |
| On what date will (or did) the final sampling or liner inspection occur | 12/12/2025 |
| On what date will (or was) the remediation complete(d) | 12/12/2025 |
| What is the estimated surface area (in square feet) that will be reclaimed | 0 |
| What is the estimated volume (in cubic yards) that will be reclaimed | 0 |
| What is the estimated surface area (in square feet) that will be remediated | 568 |
| What is the estimated volume (in cubic yards) that will be remediated | 6 |

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 541297

QUESTIONS (continued)

| | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706 | OGRID: 330396 |
| | Action Number: 541297 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

Remediation Plan (continued)

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

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

| | |
|---------------------------------------------------------------------------------------|----------------------------------|
| (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) | Yes |
| Which OCD approved facility will be used for off-site disposal | fEEM0112342028 LEA LAND LANDFILL |
| OR which OCD approved well (API) will be used for off-site disposal | <i>Not answered.</i> |
| OR is the off-site disposal site, to be used, out-of-state | <i>Not answered.</i> |
| OR is the off-site disposal site, to be used, an NMED facility | <i>Not answered.</i> |
| (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) | <i>Not answered.</i> |
| (In Situ) Soil Vapor Extraction | <i>Not answered.</i> |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) | <i>Not answered.</i> |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) | <i>Not answered.</i> |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) | <i>Not answered.</i> |
| Ground Water Abatement pursuant to 19.15.30 NMAC | <i>Not answered.</i> |
| OTHER (Non-listed remedial process) | <i>Not answered.</i> |

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

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

| | |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| I hereby agree and sign off to the above statement | Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 01/08/2026 |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------|

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

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QUESTIONS, Page 5

Action 541297

QUESTIONS (continued)

| | |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706 | OGRID: 330396 |
| | Action Number: 541297 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

Deferral Requests Only

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

| | |
|------------------------------------------------------------------------------------------------|----|
| Requesting a deferral of the remediation closure due date with the approval of this submission | No |
|------------------------------------------------------------------------------------------------|----|

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, Page 6

Action 541297

QUESTIONS (continued)

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

QUESTIONS

| Sampling Event Information | |
|-------------------------------------------------------------------------------------------------|------------|
| Last sampling notification (C-141N) recorded | 532109 |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 12/12/2025 |
| What was the (estimated) number of samples that were to be gathered | 10 |
| What was the sampling surface area in square feet | 650 |

| Remediation Closure Request | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i> | |
| Requesting a remediation closure approval with this submission | Yes |
| Have the lateral and vertical extents of contamination been fully delineated | Yes |
| Was this release entirely contained within a lined containment area | No |
| All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion | Yes |
| What was the total surface area (in square feet) remediated | 568 |
| What was the total volume (cubic yards) remediated | 6 |
| All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene | Yes |
| What was the total surface area (in square feet) reclaimed | 0 |
| What was the total volume (in cubic yards) reclaimed | 0 |
| Summarize any additional remediation activities not included by answers (above) | Flare fire occurred followed by an emergency surface scrape of the affected area. Composite confirmation surface samples were collected to determine that the surface scrape removed all impact from the affected area. |

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

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

| | |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| I hereby agree and sign off to the above statement | Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 01/08/2026 |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------|

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QUESTIONS, Page 7

Action 541297

QUESTIONS (continued)

| | |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
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QUESTIONS

| | |
|----------------------------------------------------------------------------------------------|----|
| Reclamation Report | |
| <i>Only answer the questions in this group if all reclamation steps have been completed.</i> | |
| Requesting a reclamation approval with this submission | No |

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CONDITIONS

Action 541297

CONDITIONS

| | |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706 | OGRID: 330396 |
| | Action Number: 541297 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| scwells | None | 1/16/2026 |