



## SITE INFORMATION

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**Closure Report**  
**Boyd Y CTB (08.07.2025)**  
**Incident ID: nAPP2521940601**  
**Eddy County, New Mexico**  
**Unit O, Sec 14, T19S R25E**  
**32.655308°, -104.454257°**

### Crude Oil Release

**Point of Release: Fluids Routed to High-Pressure Flare Causing a Fire.**

**Release Date: 08.07.2005**

**Volume Released: 2 Barrels of Crude Oil**

**Volume Recovered: 0 Barrels of Crude Oil**

CARMONA RESOURCES



**Prepared for:**  
**Riley Permian Operating Company LLC**  
**29 E Reno Ave, Suite 500**  
**Oklahoma City, Oklahoma, 73104**

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



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February 12, 2026

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

Re: **Closure Report**  
**Boyd Y CTB (08.07.2025)**  
**Incident ID: NAPP2521940601**  
**Riley Permian Operating LLC**  
**Site Location: Unit O, S14, T19S, R25E**  
**32.655308°, -104.454257°**  
**Eddy County, New Mexico**

Mr. Bratcher:

At the request of Riley Permian Operating LLC, Carmona Resources LLC has prepared this letter to document the site remediation conducted at the Boyd Y CTB (Site) located at 32.655308°, -104.454257° in Eddy County, New Mexico (Figures 1 and 2).

### **1.0 Site Information and Background**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on August 7, 2025, due to a liquid level switch not engaging at the heater and flare knockout. This caused fluids to be routed to the high-pressure flare, which then caught fire. It resulted in approximately two (2) barrels of crude oil being released on pad, with zero (0) barrels recovered. The release area is approximately 2,515 sq ft. 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 medium 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 identified well is approximately 0.56 miles Northwest of the site in S14, T19S, R25E, and was drilled in 1964. The well has a reported depth to groundwater of 76.80' feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

### **3.0 NMAC Regulatory Criteria**

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

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

### **4.0 Site Assessment Activities**

#### **Initial Assessment**

On August 15, 2025, and August 19, 2025, Carmona Resources personnel performed site assessment activities to evaluate soil impacts stemming from the release. A total of two (2) soil samples (S-1 and S-2) and five (5) horizontal samples (H-1 through H-5) were installed to total depths ranging from surface to 1' bgs inside and surrounding the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were



collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and Chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents are attached in Appendix E.

#### Vertical Delineation

Vertical delineation was not achieved in the areas of S-1 and S-2 due to a dense, cemented geological formation that was encountered at 1' bgs. Refer to Table 1 for the results.

#### Horizontal Delineation

All horizontal locations were below the regulatory limits for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1.

### **5.0 Remediation Activities**

On September 3, 2025, Carmona Resources personnel were onsite to supervise the remediation activities, vertically delineate the spill area, and collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on August 29, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The release area was excavated to a total depth of 1.25' bgs based off onsite field readings. A total of thirteen (13) confirmation floor samples were collected (CS-1 through CS-13), and fifteen (15) sidewall samples (SW-1 through SW-15) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figures 4A-4B.

All final confirmation samples were below the regulatory requirements for TPH, BTEX, Chlorides. Refer to Table 2 for the analytical results.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Prior to backfilling the excavation, a composite sample was collected from the locally sourced material stockpiled onsite. The composite sample was analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 4500. See Table 2. Approximately 2,515 sq ft and 117 cubic yards of material were excavated and transported offsite for proper disposal. See Appendix E for copies of laboratory analysis and chain-of-custody documentation.

### **6.0 Conclusions**

Based on the assessment and analytical data from the remediation, no further actions are required at the site. Riley Permian 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  
Director of Operations


Riley Plogger  
Project Manager

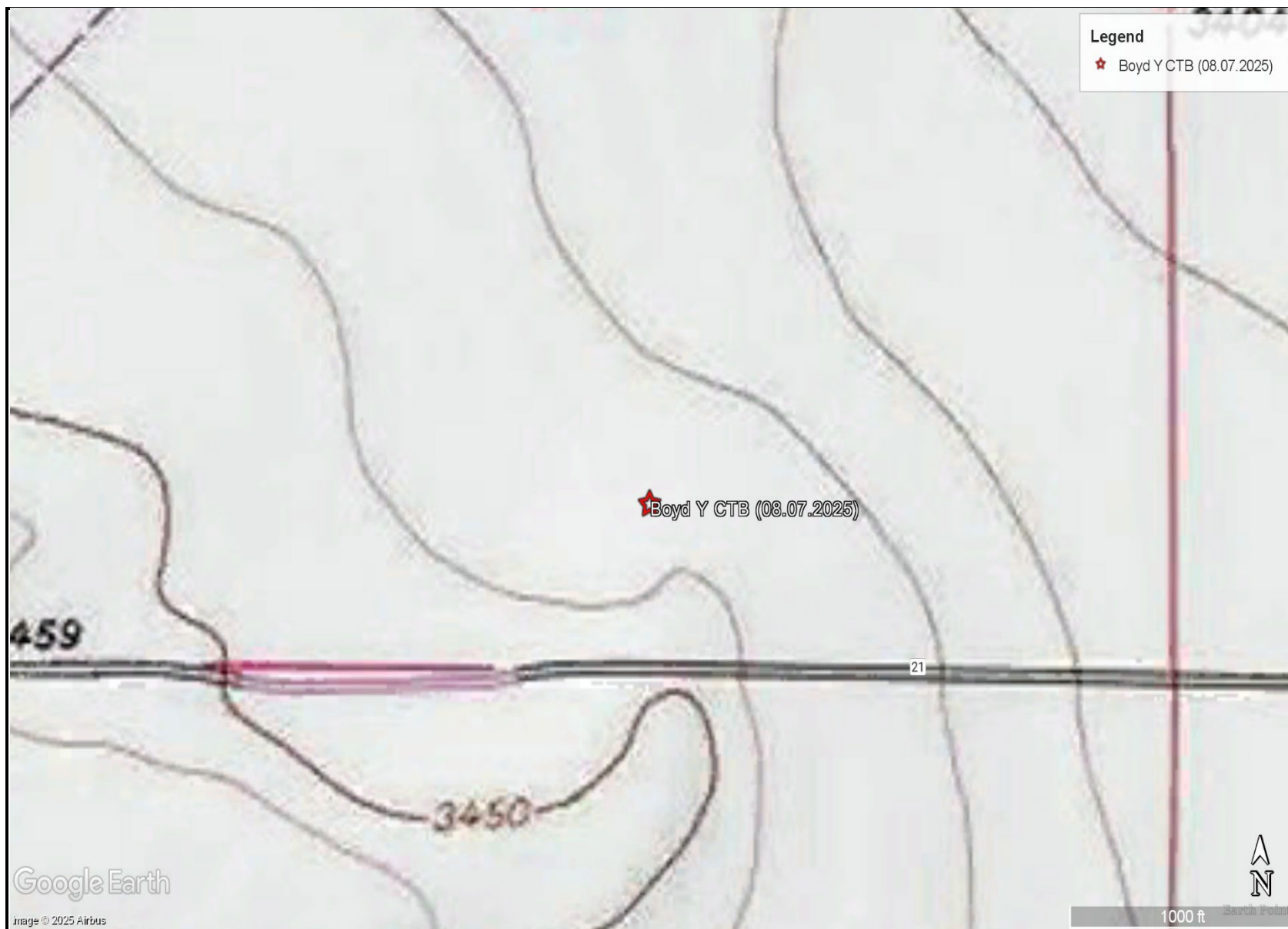
# FIGURES

CARMONA RESOURCES





<p>OVERVIEW MAP SILVERBACK EXPLORATION BOYD Y CTB (08.07.2025) EDDY COUNTY, NEW MEXICO 32.655308, -104.454257</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 1</p>
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TOPOGRAPHIC MAP  
SILVERBACK EXPLORATION  
BOYD Y CTB (08.07.2025)  
EDDY COUNTY, NEW MEXICO  
32.655308, -104.454257




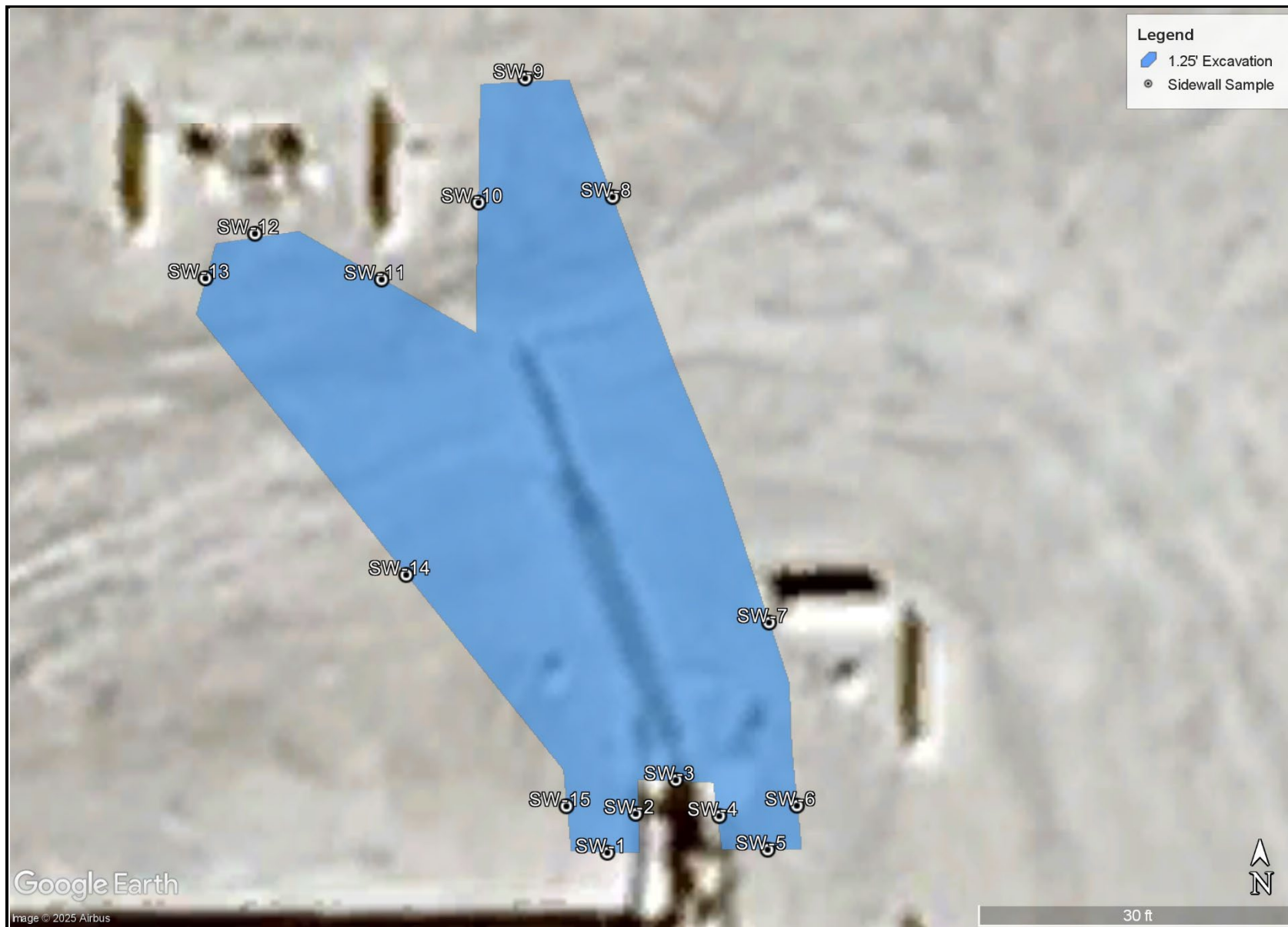
FIGURE 2




<p>SAMPLE LOCATION MAP SILVERBACK EXPLORATION BOYD Y CTB (08.07.2025) EDDY COUNTY, NEW MEXICO 32.655308, -104.454257</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 3</p>
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<p>EXCAVATION DEPTH MAP SILVERBACK EXPLORATION BOYD Y CTB (08.07.2025) EDDY COUNTY, NEW MEXICO 32.655308, -104.454257</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4A</p>
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<p>EXCAVATION DEPTH MAP SILVERBACK EXPLORATION BOYD Y CTB (08.07.2025) EDDY COUNTY, NEW MEXICO 32.655308, -104.454257</p>	<p>CARMONA RESOURCES</p> 	<p>FIGURE 4B</p>
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# APPENDIX A

CARMONA RESOURCES



**Table 1**  
**Riley Permian Operating LLC**  
**Boyd Y CTB (08.07.2025)**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>S-1</b>	8/19/2025	0.5'	<10.0	<b>842</b>	<b>430</b>	<b>1,272</b>	<0.050	0.070	<0.050	<0.150	<0.300	192
	8/19/2025	1.0' R	<10.0	<b>133</b>	<b>68.0</b>	<b>201</b>	<0.050	0.081	0.053	<0.150	<0.300	288
<b>S-2</b>	8/19/2025	0.5'	<10.0	<b>911</b>	<b>547</b>	<b>1,458</b>	<0.050	<0.050	<0.050	<0.150	<0.300	160
	8/19/2025	1.0' R	<10.0	<b>1,900</b>	<b>1,170</b>	<b>3,070</b>	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
<i>Regulatory Criteria<sup>A</sup></i>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

<sup>A</sup> – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

Removed

**Table 1**  
**Riley Permian Operating LLC**  
**Boyd Y CTB (08.07.2025)**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	8/15/2025	0-0.5'	<10.0	17.7	<10.0	17.7	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-2	8/15/2025	0-0.5'	<10.0	22.5	15.5	22.5	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-3	8/15/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-4	8/15/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-5	8/15/2025	0-0.5'	<10.0	12.2	<10.0	12.2	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
<i>Regulatory Criteria<sup>A</sup></i>							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

<sup>A</sup> – Table 1 - 19.15.29 NMAC  
 mg/kg - milligram per kilogram  
 TPH - Total Petroleum Hydrocarbons  
 ft - feet  
 (H) Horizontal Sample

**Table 2**  
**Riley Permian Operating LLC**  
**Boyd Y CTB (08.07.2026)**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>CS-1</b>	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112.0
<b>CS-2</b>	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
<b>CS-3</b>	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
<b>CS-4</b>	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
<b>CS-5</b>	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
<b>CS-6</b>	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
<b>CS-7</b>	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
<b>CS-8</b>	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
<b>CS-9</b>	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
<b>CS-10</b>	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
<b>CS-11</b>	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
<b>CS-12</b>	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
<b>CS-13</b>	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
<b>Backfill</b>	8/14/2025	-	<10.0	<10.0	<10.0	<49.8	<0.050	<0.050	<0.050	<0.150	<0.300	112
<i>Regulatory Criteria<sup>A</sup></i>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

<sup>A</sup> – Table 1 - 19.15.29 NMAC  
 mg/kg - milligram per kilogram  
 TPH - Total Petroleum Hydrocarbons  
 ft - feet  
 CS - Confirmation Sample

**Table 2**  
**Riley Permian Operating LLC**  
**Boyd Y CTB (08.07.2026)**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-2	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-3	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-4	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-5	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-6	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-7	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-8	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-9	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-10	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-11	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-12	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-13	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-14	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-15	9/4/2025	1.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
<i>Regulatory Criteria<sup>A</sup></i>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

<sup>A</sup> – Table 1 - 19.15.29 NMAC  
 mg/kg - milligram per kilogram  
 TPH - Total Petroleum Hydrocarbons  
 ft - feet  
 SW - Sidewall Sample

## APPENDIX B

CARMONA RESOURCES



# PHOTOGRAPHIC LOG

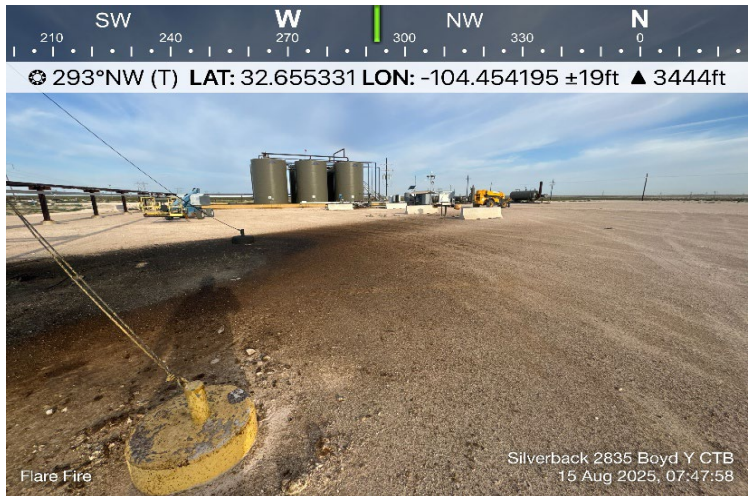
## Riley Permian Operating LLC

### Photograph No. 1

**Facility:** BOYD Y CTB (08.07.2025)

**County:** Eddy County, New Mexico

**Description:**  
View Northwest of the area of concern.

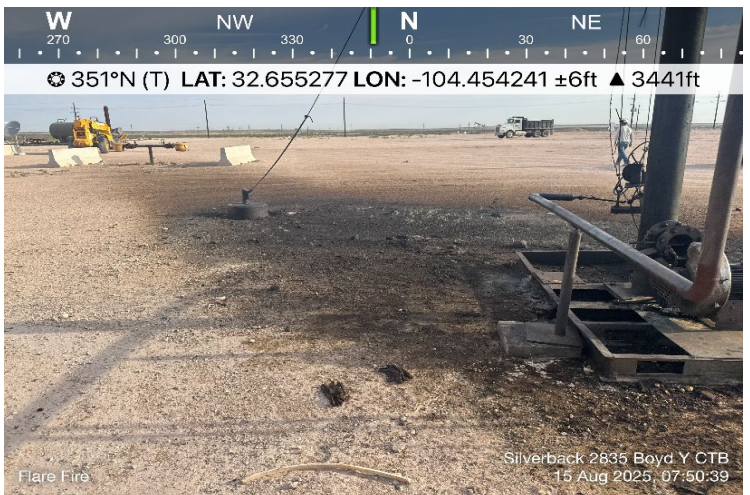


### Photograph No. 2

**Facility:** BOYD Y CTB (08.07.2025)

**County:** Eddy County, New Mexico

**Description:**  
View North of the area of concern.



### Photograph No. 3

**Facility:** BOYD Y CTB (08.07.2025)

**County:** Eddy County, New Mexico

**Description:**  
View Southeast of the area of concern.



# PHOTOGRAPHIC LOG

## Riley Permian Operating LLC

### Photograph No. 4

**Facility:** BOYD Y CTB (08.07.2025)

**County:** Eddy County, New Mexico

**Description:**  
View Northwest of CS-1 and CS-2.



### Photograph No. 5

**Facility:** BOYD Y CTB (08.07.2025)

**County:** Eddy County, New Mexico

**Description:**  
View East of CS-3 through CS-13.



### Photograph No. 6

**Facility:** BOYD Y CTB (08.07.2025)

**County:** Eddy County, New Mexico

**Description:**  
View Southeast of CS-5 through CS-13.



# 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 493222

**QUESTIONS**

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 493222
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	Boyd Y CTB
Date Release Discovered	08/07/2025
Surface Owner	Private

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	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

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure   Other (Specify)   Crude Oil   Released: 1 BBL   Recovered: 0 BBL   Lost: 1 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)	Liquid level switches didn't engage at the heater and flare knockout and routed fluids to the high-pressure flare, which then caught fire

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 2

Action 493222

**QUESTIONS (continued)**

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 493222
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>More volume information must be supplied to determine if this will be treated as a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>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.</b>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

**Initial Response**

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

The source of the release has been stopped	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>True</b>
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.*

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**

ACKNOWLEDGMENTS

Action 493222

**ACKNOWLEDGMENTS**

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 493222
	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.

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**

CONDITIONS

Action 493222

**CONDITIONS**

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 493222
	Action Type: [NOTIFY] Notification Of Release (NOR)

**CONDITIONS**

Created By	Condition	Condition Date
frodriguez	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	8/7/2025

# OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

## [C-141] Initial C-141 (C-141-V-INITIAL) Application

### Submission Information

<b>Submission ID:</b>	496331	<b>Districts:</b>	Artesia
<b>Operator:</b>	<a href="#">[330968]</a> Silverback Operating II, LLC	<b>Counties:</b>	Eddy
<b>Description:</b>	Silverback Operating II, LLC [330968] , Boyd Y CTB , nAPP2521940601		
<b>Status:</b>	Approved		
<b>Status Date:</b>	08/15/2025		
<b>References (0):</b>			

### Forms

Attachments: [Volume Calculation](#)

### Questions

#### Prerequisites

Incident ID (n#)	nAPP2521940601
Incident Name	NAPP2521940601 BOYD Y CTB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Received
Incident Facility	[fAPP223334651] BOYD Y FACILITY

#### Location of Release Source

Please answer all the questions in this group.

Site Name	Boyd Y CTB
Date Release Discovered	08/07/2025
Surface Owner	Private

#### Incident Details

Please answer all the questions in this group.

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	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

**Nature and Volume of Release**

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

Crude Oil Released (bbls) Details	Cause: Equipment Failure   <b>Other</b> (Specify)   Crude Oil   Released: 2 BBL   Recovered: 0 BBL   Lost: 2 BB
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)	Liquid level switches didn't engage at the heater and flare knockout and routed fluids to the high-pressure flare caught fire

**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**

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

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

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission.

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 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 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 do 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: Fernando Rodriguez  
 Email: frodriguez@silverbackexp.com  
 Date: 08/15/2025

**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)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.

What is the minimum distance, between the closest lateral extents of the release and the following surface areas:

A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.

[Searches](#)

[Operator Data](#)

[Hearing Fee Application](#)

A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

**Remediation Plan**

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**

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 then it should consult with the division to determine if another remediation plan submission is required.

**Acknowledgments**

This submission type does not have acknowledgments, at this time.

**Comments**

No comments found for this submission.

**Conditions**

Summary: scott.rodgers (8/15/2025), None

**Reasons**

No reasons found for this submission.

[Go Back](#)

## OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

### [NOTIFY] Notification Of Sampling (C-141N) Application

#### Submission Information

<b>Submission ID:</b>	500595	<b>Districts:</b>	Artesia
<b>Operator:</b>	<a href="#">[330968]</a> Silverback Operating II, LLC	<b>Counties:</b>	Eddy
<b>Description:</b>	Silverback Operating II, LLC [330968] , Boyd Y CTB , nAPP2521940601		
<b>Status:</b>	Approved		
<b>Status Date:</b>	08/29/2025		
<b>References (0):</b>			

#### Forms

This application type does not have attachments.

#### Questions

##### Prerequisites

Incident ID (n#)	nAPP2521940601
Incident Name	NAPP2521940601 BOYD Y CTB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2233334651] BOYD Y FACILITY

##### Location of Release Source

Site Name	Boyd Y CTB
Date Release Discovered	08/07/2025
Surface Owner	Private

##### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	2,100
What is the estimated number of samples that will be gathered	16
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/04/2025
Time sampling will commence	08:00 AM

**Warning: Notification can not be less than two business days prior to conducting final sampling.**

Please provide any information necessary for observers to contact samplers	Carmona Resources – 432-701-5475
Please provide any information necessary for navigation to sampling site	(32.655308,-104.454257)

### Comments

No comments found for this submission.

### Conditions

#### Summary:

*frodriguez (8/29/2025)*, 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.

*frodriguez (8/29/2025)*, If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date range are not currently accepted on the C-141N application.

### Reasons

No reasons found for this submission.

[Go Back](#)

## APPENDIX D

CARMONA RESOURCES

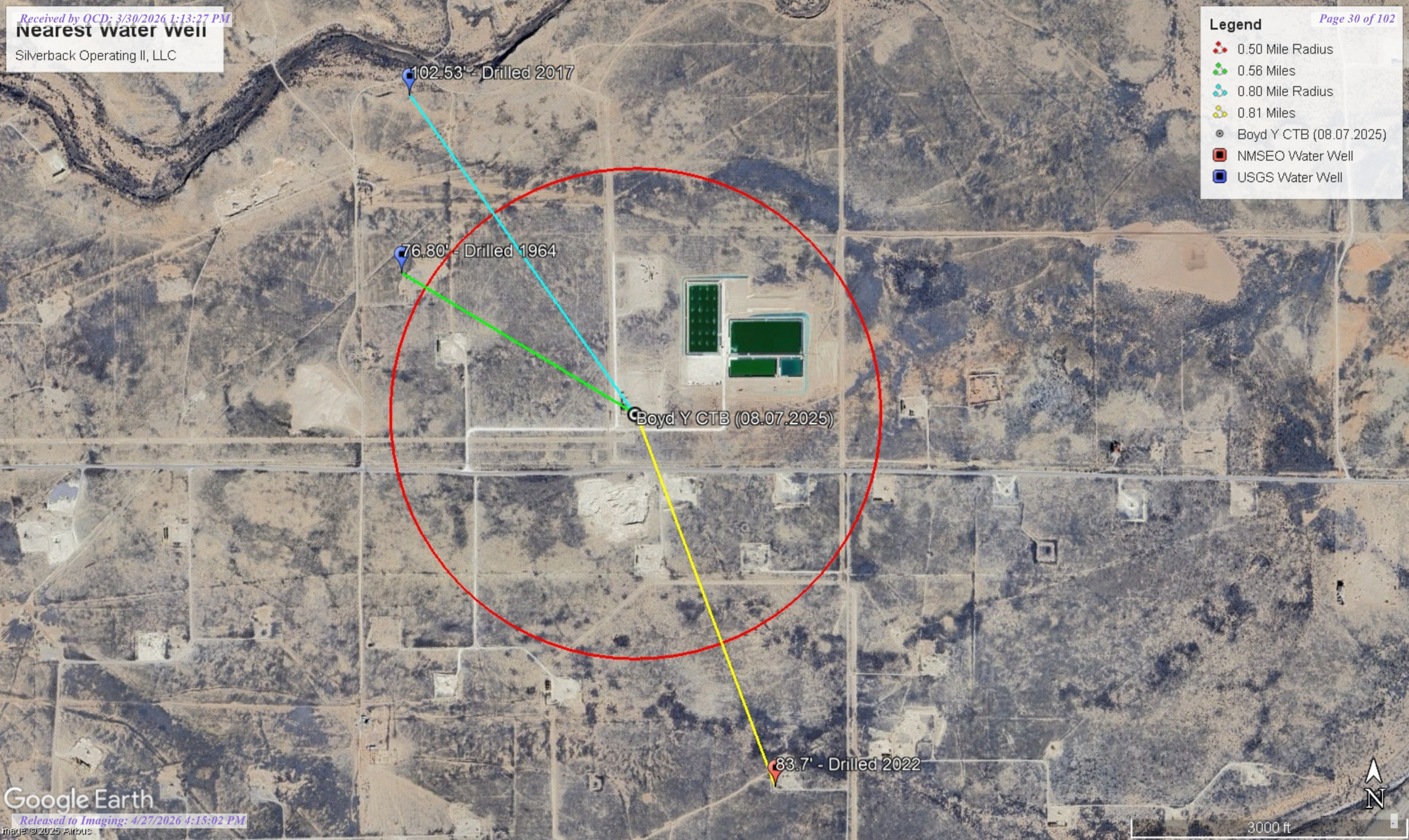


### Nearest water well

Silverback Operating II, LLC

#### Legend

- 0.50 Mile Radius
- 0.56 Miles
- 0.80 Mile Radius
- 0.81 Miles
- Boyd Y CTB (08.07.2025)
- NMSEO Water Well
- USGS Water Well



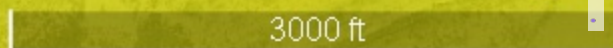
**Medium Karst**

Silverback Operating II, LLC

**Legend**

- Boyd Y CTB (08.07.2025)
- Medium

Boyd Y CTB (08.07.2025)





# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
<a href="#">RA 13210 POD1</a>		RA	ED	SW	NE	SE	23	19S	25E	551644.4	3611983.2	●	1308	101	82	19
<a href="#">RA 05450</a>		RA	ED		SE	NE	15	19S	25E	550057.0	3614015.0 *	●	1382	204	80	124
<a href="#">RA 09295</a>		RA	ED	SE	SW	SE	13	19S	25E	552979.0	3613115.0 *	●	1803	196	85	111
<a href="#">RA 09293</a>		RA	ED	SE	SW	SE	13	19S	25E	553064.4	3613109.1	●	1888	190	60	130
<a href="#">RA 09294</a>		RA	ED	SW	SE	SE	13	19S	25E	553180.0	3613114.0 *	●	2004	194	76	118
<a href="#">RA 08611</a>		RA	ED	NW	NW	NW	19	19S	26E	553583.0	3612909.0 *	●	2423	235	90	145
<a href="#">RA 02909</a>		RA	ED	NE	NW	SW	22	19S	25E	548871.5	3612035.7	●	2586	188	130	58
<a href="#">RA 08612</a>		RA	ED	NW	NE	NW	19	19S	26E	553989.0	3612912.0 *	●	2826	221	80	141
<a href="#">RA 08986</a>	O	RA	ED	NW	SW	SW	22	19S	25E	548824.9	3611507.3	●	2902	320	220	100
<a href="#">RA 01343</a>		RA	ED	NE	NW	NW	18	19S	26E	553777.0	3614525.0 *	●	2914	440	69	371
<a href="#">RA 03304</a>		RA	ED			NW	27	19S	25E	549081.0	3610973.0 *	●	3063	130	60	70
<a href="#">RA 09988</a>		RA	ED	NE	SE	NW	19	19S	26E	554190.0	3612507.0 *	●	3092	100	65	35
<a href="#">RA 05900</a>		RA	ED		NE	NE	16	19S	25E	548392.9	3614627.7	●	3126	185	95	90
<a href="#">RA 13122 POD2</a>		RA	ED	SW	SW	NE	21	19S	25E	547996.3	3612385.9	●	3285	108	102	6
<a href="#">RA 13122 POD1</a>		RA	ED	NW	SW	NE	21	19S	25E	547935.1	3612424.1	●	3335			
<a href="#">RA 07817</a>	R	RA	ED	NE	NW	NE	19	19S	26E	554592.0	3612915.0 *	●	3426	300	220	80
<a href="#">RA 07817 CLW</a>	O	RA	ED	NE	NW	NE	19	19S	26E	554592.0	3612915.0 *	●	3426	275	130	145
<a href="#">RA 07817 POD2</a>		RA	ED	NE	NW	NE	19	19S	26E	554592.0	3612915.0 *	●	3426	275	130	145
<a href="#">RA 09077</a>		RA	ED	NE	NW	NE	19	19S	26E	554592.0	3612915.0 *	●	3426	200		
<a href="#">RA 03983</a>		RA	ED		SE	SW	01	19S	25E	552457.0	3616444.0 *	●	3481	375	100	275

Average Depth to Water: **104 feet**

Minimum Depth: **60 feet**

Maximum Depth: **220 feet**

**Record Count:** 20

**UTM Filters (in meters):**

**Easting:** 551178.00

**Northing:** 3613206.00

**Radius:** 3500

\* 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.

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Meth meas
						Groundwater	New Mexico	GO

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Groundwater levels for New Mexico

Click to hide state-specific text

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

**Search Results -- 1 sites found**

Agency code = usgs  
 site\_no list =  
 • 323934104274501

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

**USGS 323934104274501 19S.25E.15.442224**

Eddy County, New Mexico  
 Latitude 32°39'34", Longitude 104°27'45" NAD27  
 Land-surface elevation 3,443 feet above NAVD88  
 The depth of the well is 100 feet below land surface.  
 This well is completed in the Roswell Basin aquifer system (S400RSLBS) national aquifer.  
 This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

**Output formats**

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1950-01-16			D 62610		3381.73	NGVD29	1	Z			A
1950-01-16			D 62611		3383.30	NAVD88	1	Z			A
1950-01-16			D 72019	59.70			1	Z			A
1955-01-04			D 62610		3376.63	NGVD29	1	Z			A
1955-01-04			D 62611		3378.20	NAVD88	1	Z			A
1955-01-04			D 72019	64.80			1	Z			A
1956-01-18			D 62610		3376.68	NGVD29	1	Z			A
1956-01-18			D 62611		3378.25	NAVD88	1	Z			A
1956-01-18			D 72019	64.75			1	Z			A
1957-01-15			D 62610		3371.62	NGVD29	1	Z			A
1957-01-15			D 62611		3373.19	NAVD88	1	Z			A
1957-01-15			D 72019	69.81			1	Z			A
1958-01-30			D 62610		3371.53	NGVD29	P	Z			A
1958-01-30			D 62611		3373.10	NAVD88	P	Z			A
1958-01-30			D 72019	69.90			P	Z			A
1959-01-26			D 62610		3369.73	NGVD29	P	Z			A
1959-01-26			D 62611		3371.30	NAVD88	P	Z			A
1959-01-26			D 72019	71.70			P	Z			A
1960-01-27			D 62610		3367.38	NGVD29	1	Z			A
1960-01-27			D 62611		3368.95	NAVD88	1	Z			A
1960-01-27			D 72019	74.05			1	Z			A
1961-01-23			D 62610		3368.03	NGVD29	1	Z			A
1961-01-23			D 62611		3369.60	NAVD88	1	Z			A
1961-01-23			D 72019	73.40			1	Z			A
1962-01-25			D 62610		3365.53	NGVD29	P	Z			A

8/14/25, 8:45 PM

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Methc measi
1962-01-25	D	62611	3367.10	NAVD88	P	Z		A
1962-01-25	D	72019	75.90		P	Z		A
1963-01-08	D	62610	3365.43	NGVD29	1	Z		A
1963-01-08	D	62611	3367.00	NAVD88	1	Z		A
1963-01-08	D	72019	76.00		1	Z		A
1963-07-23	D	62610	3365.03	NGVD29	1	Z		A
1963-07-23	D	62611	3366.60	NAVD88	1	Z		A
1963-07-23	D	72019	76.40		1	Z		A
1963-08-13	D	62610	3364.18	NGVD29	1	Z		A
1963-08-13	D	62611	3365.75	NAVD88	1	Z		A
1963-08-13	D	72019	77.25		1	Z		A
1963-09-04	D	62610	3364.04	NGVD29	1	Z		A
1963-09-04	D	62611	3365.61	NAVD88	1	Z		A
1963-09-04	D	72019	77.39		1	Z		A
1963-10-02	D	62610	3364.68	NGVD29	1	Z		A
1963-10-02	D	62611	3366.25	NAVD88	1	Z		A
1963-10-02	D	72019	76.75		1	Z		A
1963-11-19	D	62610	3363.46	NGVD29	1	Z		A
1963-11-19	D	62611	3365.03	NAVD88	1	Z		A
1963-11-19	D	72019	77.97		1	Z		A
1964-01-10	D	62610	3364.63	NGVD29	P	Z		A
1964-01-10	D	62611	3366.20	NAVD88	P	Z		A
1964-01-10	D	72019	76.80		P	Z		A

Explanation

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

Questions or Comments

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- [Data Tips](#)
- [Explanation of terms](#)
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Title: Groundwater for New Mexico: Water Levels  
 URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



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

Page Last Modified: 2025-08-14 21:43:24 EDT

0.35 0.3 nadww02

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Metho measu
						Groundwater	New Mexico	GO

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Groundwater levels for New Mexico

Click to hide state-specific text

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

**Search Results -- 1 sites found**

Agency code = usgs  
 site\_no list =  
 • 323953104274401

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

**USGS 323953104274401 19S.25E.14.133131**

Eddy County, New Mexico

Latitude 32°39'53", Longitude 104°27'44" NAD27

Land-surface elevation 3,433 feet above NAVD88

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

**Output formats**

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1979-03-27			D 62610		3345.47	NGVD29	1	Z			A
1979-03-27			D 62611		3347.04	NAVD88	1	Z			A
1979-03-27			D 72019	85.96			1	Z			A
1989-01-30			D 62610		3349.25	NGVD29	1	Z			A
1989-01-30			D 62611		3350.82	NAVD88	1	Z			A
1989-01-30			D 72019	82.18			1	Z			A
1990-02-26			D 62610		3348.61	NGVD29	1	S			A
1990-02-26			D 62611		3350.18	NAVD88	1	S			A
1990-02-26			D 72019	82.82			1	S			A
1992-02-04			D 62610		3344.05	NGVD29	1	S			A
1992-02-04			D 62611		3345.62	NAVD88	1	S			A
1992-02-04			D 72019	87.38			1	S			A
1993-02-03			D 62610		3345.13	NGVD29	1	S			A
1993-02-03			D 62611		3346.70	NAVD88	1	S			A
1993-02-03			D 72019	86.30			1	S			A
1994-02-10			D 62610		3343.67	NGVD29	1	S			A
1994-02-10			D 62611		3345.24	NAVD88	1	S			A
1994-02-10			D 72019	87.76			1	S			A
1999-01-27			D 62610		3336.04	NGVD29	1	S	USGS	S	A
1999-01-27			D 62611		3337.61	NAVD88	1	S	USGS	S	A
1999-01-27			D 72019	95.39			1	S	USGS	S	A
2003-01-24			D 62610		3338.17	NGVD29	1	S	USGS	S	A
2003-01-24			D 62611		3339.74	NAVD88	1	S	USGS	S	A
2003-01-24			D 72019	93.26			1	S	USGS	S	A
2004-02-09			D 62610		3333.65	NGVD29	1	S	USGS	S	A
2004-02-09			D 62611		3335.22	NAVD88	1	S	USGS	S	A

Date	Time	?	?	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	?	?
		Water-level date-time accuracy	Parameter code				Status	Metho measu
2004-02-09		D	72019	97.78		S	USGS	A
2005-02-03 16:45 UTC	m	62610	3340.01	NGVD29	1	S	NM001	A
2005-02-03 16:45 UTC	m	62611	3341.58	NAVD88	1	S	NM001	A
2005-02-03 16:45 UTC	m	72019	91.42		1	S	NM001	A
2006-02-14 19:30 UTC	m	62610	3339.71	NGVD29	1	S	NM001	A
2006-02-14 19:30 UTC	m	62611	3341.28	NAVD88	1	S	NM001	A
2006-02-14 19:30 UTC	m	72019	91.72		1	S	NM001	A
2007-02-09 18:00 UTC	m	62610	3339.08	NGVD29	1	S	NM001	A
2007-02-09 18:00 UTC	m	62611	3340.65	NAVD88	1	S	NM001	A
2007-02-09 18:00 UTC	m	72019	92.35		1	S	NM001	A
2008-01-15 16:25 UTC	m	62610	3336.53	NGVD29	1	S	NM001	A
2008-01-15 16:25 UTC	m	62611	3338.10	NAVD88	1	S	NM001	A
2008-01-15 16:25 UTC	m	72019	94.90		1	S	NM001	A
2010-01-21 17:00 UTC	m	62610	3326.95	NGVD29	1	S	NM001	A
2010-01-21 17:00 UTC	m	62611	3328.52	NAVD88	1	S	NM001	A
2010-01-21 17:00 UTC	m	72019	104.48		1	S	NM001	A
2011-01-21 17:35 UTC	m	62610	3327.02	NGVD29	1	S	NM001	A
2011-01-21 17:35 UTC	m	62611	3328.59	NAVD88	1	S	NM001	A
2011-01-21 17:35 UTC	m	72019	104.41		1	S	NM001	A
2012-01-05 15:45 UTC	m	62610	3327.73	NGVD29	1	S	NM001	A
2012-01-05 15:45 UTC	m	62611	3329.30	NAVD88	1	S	NM001	A
2012-01-05 15:45 UTC	m	72019	103.70		1	S	NM001	A
2015-01-13 20:23 UTC	m	62610	3333.78	NGVD29	1	S	NM001	A
2015-01-13 20:23 UTC	m	62611	3335.35	NAVD88	1	S	NM001	A
2015-01-13 20:23 UTC	m	72019	97.65		1	S	NM001	A
2016-02-04 21:40 UTC	m	62610	3330.95	NGVD29	1	S	NM001	A
2016-02-04 21:40 UTC	m	62611	3332.52	NAVD88	1	S	NM001	A
2016-02-04 21:40 UTC	m	72019	100.48		1	S	NM001	A
2017-01-10 16:45 UTC	m	62610	3328.90	NGVD29	1	S	NM001	A
2017-01-10 16:45 UTC	m	62611	3330.47	NAVD88	1	S	NM001	A
2017-01-10 16:45 UTC	m	72019	102.53		1	S	NM001	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	NM001	New Mexico State Engineers Office
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	A	Reported by another government agency (do not use "A" if reported by owner, use "O").
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.
Water-level approval status	P	Provisional data subject to revision.

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

Date	Time	?	?	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	?	?
		Water-level date-time accuracy	Parameter code				Status	Metho measu



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

<b>1. GENERAL AND WELL LOCATION</b>	OSE POD NO. (WELL NO.) POD-1		WELL TAG ID NO. n/a		OSE FILE NO(S). RA-13210			
	WELL OWNER NAME(S) Spur Energy Partners LLC				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 919 Milam St Ste 2475				CITY Houston	STATE TX	ZIP 77002	
	WELL LOCATION (FROM GPS)	LATITUDE	DEGREES 32	MINUTES 38	SECONDS 39.29	N		* ACCURACY REQUIRED: ONE TENTH OF A SECOND
		LONGITUDE	104	26	57.69	W		* DATUM REQUIRED: WGS 84
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE NE SE Sec. 23 T19S R25E, NMPM								
<b>2. DRILLING &amp; CASING INFORMATION</b>	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 7/12/2022		DRILLING ENDED 7/12/2022		DEPTH OF COMPLETED WELL (FT) Soil Boring		BORE HOLE DEPTH (FT) ±101	DEPTH WATER FIRST ENCOUNTERED (FT) ±82
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 83.7		DATE STATIC MEASURED 7/14/2022
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	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	101	±6.5	Soil Boring	--	--	--	--
<b>3. ANNULAR MATERIAL</b>	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						

OSE OIT AUG 29 2022 AM 8:45


FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO. RA-13210	POD NO. 1	TRN NO. 729257	
LOCATION 19S. 25E. 23. 3. 2. 4	WELL TAG ID NO. _____	PAGE 1 OF 2	

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES <b>(attach supplemental sheets to fully describe all units)</b>	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	9	9	Sand, medium/fine grained, poorly graded, with clay, Brown	Y ✓ N	
	9	24	15	Clay, with Sand, fine grained, poorly graded, Tan Brown	Y ✓ N	
	24	34	10	Sand, medium/fine grained, poorly graded, with clay, Brown	Y ✓ N	
	34	39	5	Claystone, Consolidated, Reddish Brown	Y ✓ N	
	39	54	15	Sand, medium/fine grained, poorly graded, with clay, Reddish Brown	Y ✓ N	
	54	59	5	Claystone, Consolidated, Reddish Brown	Y ✓ N	
	59	101	42	Clay, medium plastic, with sand, fine grained, Tan Brown, moist	✓ Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm):        0.00	

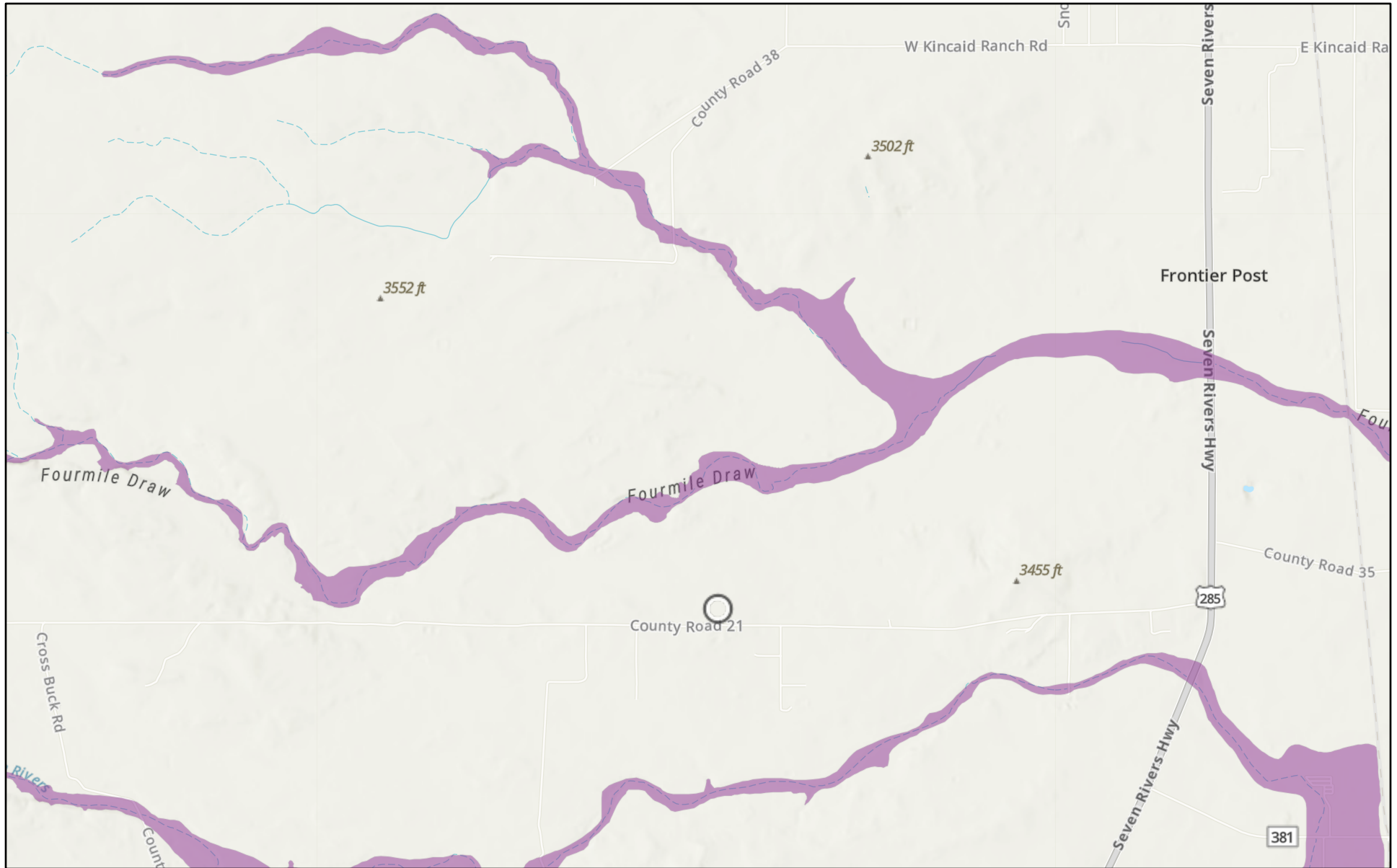
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Drilled soil boring, landed temporary well material, collected water sample. Removed casing material, grouted from total depth to surface using augers as tremie Plugged using Type I/II neat cement (5.2 gallons per 94 lb. sack)  <div style="text-align: right; color: blue;">OSE DTI AUG 29 2022 AM 8:45</div>	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt,		

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

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO. <b>RA-13210</b>	POD NO. <b>1</b>	TRN NO. <b>729257</b>	
LOCATION <b>195.25E.23.3.2.4</b>	WELL TAG ID NO. _____	PAGE 2 OF 2	

# Boyd Y CTB (08.07.2025)

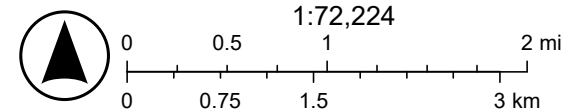


8/14/2025

USA Flood Hazard Areas

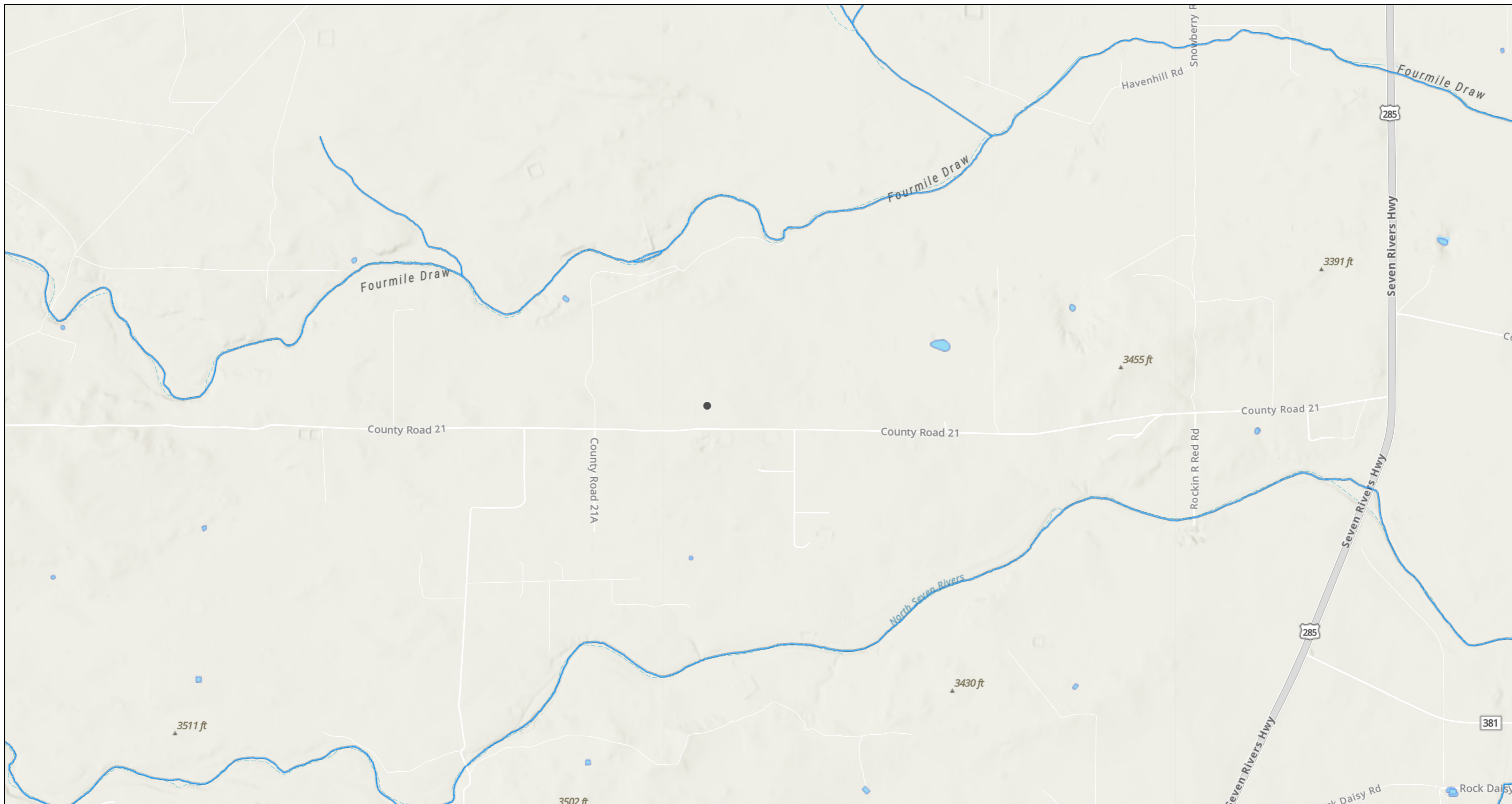
 1% Annual Chance Flood Hazard

World\_Hillshade



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

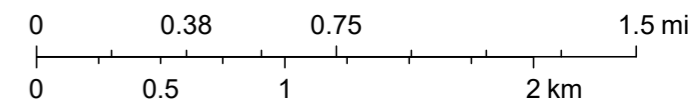
# Boyd Y CTB (08.07.2025)



8/14/2025, 8:08:17 PM

- OSW Water Bodys
- OSE Streams

1:36,112



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





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

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August 21, 2025

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

RE: BOYD Y CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/15/25 10:29.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/15/2025	Sampling Date:	08/15/2025
Reported:	08/21/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: H - 1 ( 0-0.5' ) (H255065-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2025	ND	2.01	100	2.00	4.28	
Toluene*	<0.050	0.050	08/15/2025	ND	2.27	114	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.28	114	2.00	3.85	
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.99	116	6.00	3.84	
Total BTEX	<0.300	0.300	08/15/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2025	ND	448	112	400	6.90	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2025	ND	193	96.5	200	4.18	
<b>DRO &gt;C10-C28*</b>	<b>17.7</b>	10.0	08/15/2025	ND	182	91.1	200	4.56	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 85.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.2 % 40.6-153

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/15/2025	Sampling Date:	08/15/2025
Reported:	08/21/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: H - 2 ( 0-0.5' ) (H255065-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2025	ND	2.01	100	2.00	4.28	
Toluene*	<0.050	0.050	08/15/2025	ND	2.27	114	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.28	114	2.00	3.85	
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.99	116	6.00	3.84	
Total BTEX	<0.300	0.300	08/15/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2025	ND	448	112	400	6.90	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2025	ND	193	96.5	200	4.18	
<b>DRO &gt;C10-C28*</b>	<b>22.5</b>	10.0	08/15/2025	ND	182	91.1	200	4.56	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 93.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.7 % 40.6-153

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/15/2025	Sampling Date:	08/15/2025
Reported:	08/21/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: H - 3 ( 0-0.5' ) (H255065-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2025	ND	2.01	100	2.00	4.28	
Toluene*	<0.050	0.050	08/15/2025	ND	2.27	114	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.28	114	2.00	3.85	
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.99	116	6.00	3.84	
Total BTEX	<0.300	0.300	08/15/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2025	ND	448	112	400	6.90	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2025	ND	193	96.5	200	4.18	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	182	91.1	200	4.56	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 91.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.2 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/15/2025	Sampling Date:	08/15/2025
Reported:	08/21/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: H - 4 ( 0-0.5' ) (H255065-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2025	ND	2.01	100	2.00	4.28	
Toluene*	<0.050	0.050	08/15/2025	ND	2.27	114	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.28	114	2.00	3.85	
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.99	116	6.00	3.84	
Total BTEX	<0.300	0.300	08/15/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2025	ND	448	112	400	6.90	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2025	ND	193	96.5	200	4.18	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	182	91.1	200	4.56	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 87.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/15/2025	Sampling Date:	08/15/2025
Reported:	08/21/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: H - 5 ( 0-0.5' ) (H255065-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2025	ND	2.01	100	2.00	4.28	
Toluene*	<0.050	0.050	08/15/2025	ND	2.27	114	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.28	114	2.00	3.85	
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.99	116	6.00	3.84	
Total BTEX	<0.300	0.300	08/15/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2025	ND	448	112	400	6.90	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2025	ND	193	96.5	200	4.18	
<b>DRO &gt;C10-C28*</b>	<b>12.2</b>	10.0	08/15/2025	ND	182	91.1	200	4.56	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 86.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: HA5506

Page 1 of 1

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

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

Project Name:	Boyd Y CTB	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Press. Code	
Project Number:	2835	Due Date:	Standard		
Project Location:	Eddy Co. NM				
Samplers Name:	CMM				
PO #:					
<b>SAMPLE RECEIPT</b>	Temp Blank: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Well Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID:	#140		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	+0.3°C		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	5.10		
Total Containers:		Corrected Temperature:	5.91		

ANALYSIS REQUEST		Preservative Codes
Parameters+B16:AX46		NO <sub>2</sub> -NO <sup>-</sup>
BTEX 8021B		DI Water: H <sub>2</sub> O
TPH 8015M ( GRO + DRO + MRO)		Cool: Cool
Chloride 4500.0		HCL: HC
		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>
		H <sub>3</sub> PO <sub>4</sub> : HP
		NaHSO <sub>4</sub> : NABIS
		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>
		Zn Acetate+NaOH: Zn
		NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Sample Comments
H-1 (0-0.5')	8/15/2025		X		Grab/	1	
H-2 (0-0.5')	8/15/2025		X		Grab/	1	
H-3 (0-0.5')	8/15/2025		X		Grab/	1	
H-4 (0-0.5')	8/15/2025		X		Grab/	1	
H-5 (0-0.5')	8/15/2025		X		Grab/	1	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	8/15/25 1029	<i>Lawara Clark</i>	



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

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August 21, 2025

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

RE: BOYD Y CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/15/25 16:58.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/15/2025	Sampling Date:	08/15/2025
Reported:	08/21/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Shalyn Rodriguez
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: BACKFILL SAMPLE (H255096-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2025	ND	1.73	86.7	2.00	5.99	
Toluene*	<0.050	0.050	08/19/2025	ND	1.78	89.2	2.00	6.25	
Ethylbenzene*	<0.050	0.050	08/19/2025	ND	1.77	88.7	2.00	6.56	
Total Xylenes*	<0.150	0.150	08/19/2025	ND	5.28	88.0	6.00	6.24	
Total BTEX	<0.300	0.300	08/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	08/18/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2025	ND	196	97.8	200	11.2	
<b>DRO &gt;C10-C28*</b>	<b>24.4</b>	10.0	08/18/2025	ND	197	98.3	200	10.2	
<b>EXT DRO &gt;C28-C36</b>	<b>11.1</b>	10.0	08/18/2025	ND					

Surrogate: 1-Chlorooctane 70.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager





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---

August 25, 2025

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

RE: BOYD Y CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/19/25 13:44.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/19/2025	Sampling Date:	08/19/2025
Reported:	08/25/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: S - 1 ( 0.5' ) (H255153-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2025	ND	1.75	87.6	2.00	9.88	
<b>Toluene*</b>	<b>0.070</b>	0.050	08/20/2025	ND	1.94	96.8	2.00	11.1	
Ethylbenzene*	<0.050	0.050	08/20/2025	ND	1.98	99.0	2.00	11.3	
Total Xylenes*	<0.150	0.150	08/20/2025	ND	6.16	103	6.00	11.0	
Total BTEX	<0.300	0.300	08/20/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>192</b>	16.0	08/20/2025	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2025	ND	193	96.5	200	1.76	
<b>DRO &gt;C10-C28*</b>	<b>842</b>	10.0	08/19/2025	ND	175	87.7	200	2.40	
<b>EXT DRO &gt;C28-C36</b>	<b>430</b>	10.0	08/19/2025	ND					

Surrogate: 1-Chlorooctane 73.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/19/2025	Sampling Date:	08/19/2025
Reported:	08/25/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: S - 1 ( 1.0' ) R (H255153-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2025	ND	1.75	87.6	2.00	9.88	
<b>Toluene*</b>	<b>0.081</b>	0.050	08/20/2025	ND	1.94	96.8	2.00	11.1	
<b>Ethylbenzene*</b>	<b>0.053</b>	0.050	08/20/2025	ND	1.98	99.0	2.00	11.3	
Total Xylenes*	<0.150	0.150	08/20/2025	ND	6.16	103	6.00	11.0	
Total BTEX	<0.300	0.300	08/20/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>288</b>	16.0	08/20/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2025	ND	193	96.5	200	1.76	
<b>DRO &gt;C10-C28*</b>	<b>133</b>	10.0	08/19/2025	ND	175	87.7	200	2.40	
<b>EXT DRO &gt;C28-C36</b>	<b>68.0</b>	10.0	08/19/2025	ND					

Surrogate: 1-Chlorooctane 78.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/19/2025	Sampling Date:	08/19/2025
Reported:	08/25/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: S - 2 ( 0.5' ) (H255153-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2025	ND	1.75	87.6	2.00	9.88	
Toluene*	<0.050	0.050	08/20/2025	ND	1.94	96.8	2.00	11.1	
Ethylbenzene*	<0.050	0.050	08/20/2025	ND	1.98	99.0	2.00	11.3	
Total Xylenes*	<0.150	0.150	08/20/2025	ND	6.16	103	6.00	11.0	
Total BTEX	<0.300	0.300	08/20/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>160</b>	16.0	08/20/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2025	ND	193	96.5	200	1.76	
<b>DRO &gt;C10-C28*</b>	<b>911</b>	10.0	08/20/2025	ND	175	87.7	200	2.40	
<b>EXT DRO &gt;C28-C36</b>	<b>547</b>	10.0	08/20/2025	ND					

Surrogate: 1-Chlorooctane 85.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/19/2025	Sampling Date:	08/19/2025
Reported:	08/25/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: S - 2 ( 1.0' ) R (H255153-04)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2025	ND	1.75	87.6	2.00	9.88		
Toluene*	<0.050	0.050	08/20/2025	ND	1.94	96.8	2.00	11.1		
Ethylbenzene*	<0.050	0.050	08/20/2025	ND	1.98	99.0	2.00	11.3		
Total Xylenes*	<0.150	0.150	08/20/2025	ND	6.16	103	6.00	11.0		
Total BTEX	<0.300	0.300	08/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/20/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/20/2025	ND	193	96.5	200	1.76		
<b>DRO &gt;C10-C28*</b>	<b>1900</b>	10.0	08/20/2025	ND	175	87.7	200	2.40		
<b>EXT DRO &gt;C28-C36</b>	<b>1170</b>	10.0	08/20/2025	ND						

Surrogate: 1-Chlorooctane 82.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Notes and Definitions**

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

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September 10, 2025

RILEY PLOGGER

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: BOYD Y CTB

Enclosed are the results of analyses for samples received by the laboratory on 09/04/25 15:08.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: CS - 1 ( 1.25' ) (H255514-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2025	ND	1.78	89.2	2.00	7.92	
Toluene*	<0.050	0.050	09/05/2025	ND	2.06	103	2.00	4.62	
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	2.20	110	2.00	1.69	
Total Xylenes*	<0.150	0.150	09/05/2025	ND	6.86	114	6.00	0.871	
Total BTEX	<0.300	0.300	09/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/05/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2025	ND	191	95.5	200	2.84	
DRO >C10-C28*	<10.0	10.0	09/08/2025	ND	181	90.7	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	09/08/2025	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: CS - 2 ( 1.25' ) (H255514-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2025	ND	1.78	89.2	2.00	7.92	
Toluene*	<0.050	0.050	09/05/2025	ND	2.06	103	2.00	4.62	
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	2.20	110	2.00	1.69	
Total Xylenes*	<0.150	0.150	09/05/2025	ND	6.86	114	6.00	0.871	
Total BTEX	<0.300	0.300	09/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>96.0</b>	16.0	09/05/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2025	ND	191	95.5	200	2.84	
DRO >C10-C28*	<10.0	10.0	09/08/2025	ND	181	90.7	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	09/08/2025	ND					

Surrogate: 1-Chlorooctane 88.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: CS - 3 ( 1.25' ) (H255514-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2025	ND	1.78	89.2	2.00	7.92	
Toluene*	<0.050	0.050	09/05/2025	ND	2.06	103	2.00	4.62	
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	2.20	110	2.00	1.69	
Total Xylenes*	<0.150	0.150	09/05/2025	ND	6.86	114	6.00	0.871	
Total BTEX	<0.300	0.300	09/05/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/05/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2025	ND	191	95.5	200	2.84	
DRO >C10-C28*	<10.0	10.0	09/08/2025	ND	181	90.7	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	09/08/2025	ND					

Surrogate: 1-Chlorooctane 83.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: CS - 4 ( 1.25' ) (H255514-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2025	ND	1.78	89.2	2.00	7.92	
Toluene*	<0.050	0.050	09/05/2025	ND	2.06	103	2.00	4.62	
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	2.20	110	2.00	1.69	
Total Xylenes*	<0.150	0.150	09/05/2025	ND	6.86	114	6.00	0.871	
Total BTEX	<0.300	0.300	09/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>96.0</b>	16.0	09/05/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2025	ND	191	95.5	200	2.84	
DRO >C10-C28*	<10.0	10.0	09/08/2025	ND	181	90.7	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	09/08/2025	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: CS - 5 ( 1.25' ) (H255514-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2025	ND	1.78	89.2	2.00	7.92	
Toluene*	<0.050	0.050	09/05/2025	ND	2.06	103	2.00	4.62	
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	2.20	110	2.00	1.69	
Total Xylenes*	<0.150	0.150	09/05/2025	ND	6.86	114	6.00	0.871	
Total BTEX	<0.300	0.300	09/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>96.0</b>	16.0	09/05/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2025	ND	191	95.5	200	2.84	
DRO >C10-C28*	<10.0	10.0	09/08/2025	ND	181	90.7	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	09/08/2025	ND					

Surrogate: 1-Chlorooctane 73.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: CS - 6 ( 1.25' ) (H255514-06)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2025	ND	1.74	87.1	2.00	5.84		
Toluene*	<0.050	0.050	09/05/2025	ND	1.80	90.0	2.00	4.76		
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	1.79	89.6	2.00	4.25		
Total Xylenes*	<0.150	0.150	09/05/2025	ND	5.27	87.9	6.00	4.30		
Total BTEX	<0.300	0.300	09/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/05/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/08/2025	ND	191	95.5	200	2.84		
DRO >C10-C28*	<10.0	10.0	09/08/2025	ND	181	90.7	200	2.48		
EXT DRO >C28-C36	<10.0	10.0	09/08/2025	ND						

Surrogate: 1-Chlorooctane 83.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: CS - 7 ( 1.25' ) (H255514-07)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2025	ND	1.74	87.1	2.00	5.84		
Toluene*	<0.050	0.050	09/05/2025	ND	1.80	90.0	2.00	4.76		
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	1.79	89.6	2.00	4.25		
Total Xylenes*	<0.150	0.150	09/05/2025	ND	5.27	87.9	6.00	4.30		
Total BTEX	<0.300	0.300	09/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/05/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/08/2025	ND	191	95.5	200	2.84		
DRO >C10-C28*	<10.0	10.0	09/08/2025	ND	181	90.7	200	2.48		
EXT DRO >C28-C36	<10.0	10.0	09/08/2025	ND						

Surrogate: 1-Chlorooctane 89.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: CS - 8 ( 1.25' ) (H255514-08)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2025	ND	1.74	87.1	2.00	5.84		
Toluene*	<0.050	0.050	09/05/2025	ND	1.80	90.0	2.00	4.76		
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	1.79	89.6	2.00	4.25		
Total Xylenes*	<0.150	0.150	09/05/2025	ND	5.27	87.9	6.00	4.30		
Total BTEX	<0.300	0.300	09/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/05/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/08/2025	ND	191	95.5	200	2.84		
DRO >C10-C28*	<10.0	10.0	09/08/2025	ND	181	90.7	200	2.48		
EXT DRO >C28-C36	<10.0	10.0	09/08/2025	ND						

Surrogate: 1-Chlorooctane 77.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: CS - 9 ( 1.25' ) (H255514-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2025	ND	1.74	87.1	2.00	5.84	
Toluene*	<0.050	0.050	09/05/2025	ND	1.80	90.0	2.00	4.76	
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	1.79	89.6	2.00	4.25	
Total Xylenes*	<0.150	0.150	09/05/2025	ND	5.27	87.9	6.00	4.30	
Total BTEX	<0.300	0.300	09/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/05/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2025	ND	191	95.5	200	2.84	
DRO >C10-C28*	<10.0	10.0	09/08/2025	ND	181	90.7	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	09/08/2025	ND					

Surrogate: 1-Chlorooctane 77.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: CS - 10 ( 1.25' ) (H255514-10)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2025	ND	1.74	87.1	2.00	5.84	
Toluene*	<0.050	0.050	09/05/2025	ND	1.80	90.0	2.00	4.76	
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	1.79	89.6	2.00	4.25	
Total Xylenes*	<0.150	0.150	09/05/2025	ND	5.27	87.9	6.00	4.30	
Total BTEX	<0.300	0.300	09/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/05/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2025	ND	191	95.5	200	2.84	
DRO >C10-C28*	<10.0	10.0	09/08/2025	ND	181	90.7	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	09/08/2025	ND					

Surrogate: 1-Chlorooctane 88.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: CS - 11 ( 1.25' ) (H255514-11)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2025	ND	1.74	87.1	2.00	5.84		
Toluene*	<0.050	0.050	09/05/2025	ND	1.80	90.0	2.00	4.76		
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	1.79	89.6	2.00	4.25		
Total Xylenes*	<0.150	0.150	09/05/2025	ND	5.27	87.9	6.00	4.30		
Total BTEX	<0.300	0.300	09/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	09/05/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/08/2025	ND	191	95.5	200	2.84		
DRO >C10-C28*	<10.0	10.0	09/08/2025	ND	181	90.7	200	2.48		
EXT DRO >C28-C36	<10.0	10.0	09/08/2025	ND						

Surrogate: 1-Chlorooctane 87.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: CS - 12 ( 1.25' ) (H255514-12)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2025	ND	1.74	87.1	2.00	5.84	
Toluene*	<0.050	0.050	09/05/2025	ND	1.80	90.0	2.00	4.76	
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	1.79	89.6	2.00	4.25	
Total Xylenes*	<0.150	0.150	09/05/2025	ND	5.27	87.9	6.00	4.30	
Total BTEX	<0.300	0.300	09/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/05/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2025	ND	191	95.5	200	2.84	
DRO >C10-C28*	<10.0	10.0	09/08/2025	ND	181	90.7	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	09/08/2025	ND					

Surrogate: 1-Chlorooctane 87.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: CS - 13 ( 1.25' ) (H255514-13)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2025	ND	1.74	87.1	2.00	5.84	
Toluene*	<0.050	0.050	09/05/2025	ND	1.80	90.0	2.00	4.76	
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	1.79	89.6	2.00	4.25	
Total Xylenes*	<0.150	0.150	09/05/2025	ND	5.27	87.9	6.00	4.30	
Total BTEX	<0.300	0.300	09/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/05/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2025	ND	191	95.5	200	2.84	
DRO >C10-C28*	<10.0	10.0	09/08/2025	ND	181	90.7	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	09/08/2025	ND					

Surrogate: 1-Chlorooctane 74.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: SW - 1 ( 1.25' ) (H255514-14)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2025	ND	1.74	87.1	2.00	5.84	
Toluene*	<0.050	0.050	09/05/2025	ND	1.80	90.0	2.00	4.76	
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	1.79	89.6	2.00	4.25	
Total Xylenes*	<0.150	0.150	09/05/2025	ND	5.27	87.9	6.00	4.30	
Total BTEX	<0.300	0.300	09/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/05/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2025	ND	191	95.5	200	2.84	
DRO >C10-C28*	<10.0	10.0	09/08/2025	ND	181	90.7	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	09/08/2025	ND					

Surrogate: 1-Chlorooctane 82.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: SW - 2 ( 1.25' ) (H255514-15)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2025	ND	1.74	87.1	2.00	5.84	
Toluene*	<0.050	0.050	09/05/2025	ND	1.80	90.0	2.00	4.76	
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	1.79	89.6	2.00	4.25	
Total Xylenes*	<0.150	0.150	09/05/2025	ND	5.27	87.9	6.00	4.30	
Total BTEX	<0.300	0.300	09/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/05/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/05/2025	ND	214	107	200	7.35	
DRO >C10-C28*	<10.0	10.0	09/05/2025	ND	215	108	200	7.66	
EXT DRO >C28-C36	<10.0	10.0	09/05/2025	ND					

Surrogate: 1-Chlorooctane 93.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.4 % 40.6-153

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

**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: SW - 3 ( 1.25' ) (H255514-16)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2025	ND	1.74	87.1	2.00	5.84	
Toluene*	<0.050	0.050	09/05/2025	ND	1.80	90.0	2.00	4.76	
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	1.79	89.6	2.00	4.25	
Total Xylenes*	<0.150	0.150	09/05/2025	ND	5.27	87.9	6.00	4.30	
Total BTEX	<0.300	0.300	09/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/05/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/05/2025	ND	214	107	200	7.35	
DRO >C10-C28*	<10.0	10.0	09/05/2025	ND	215	108	200	7.66	
EXT DRO >C28-C36	<10.0	10.0	09/05/2025	ND					

Surrogate: 1-Chlorooctane 75.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: SW - 4 ( 1.25' ) (H255514-17)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2025	ND	1.74	87.1	2.00	5.84	
Toluene*	<0.050	0.050	09/05/2025	ND	1.80	90.0	2.00	4.76	
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	1.79	89.6	2.00	4.25	
Total Xylenes*	<0.150	0.150	09/05/2025	ND	5.27	87.9	6.00	4.30	
Total BTEX	<0.300	0.300	09/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/05/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/05/2025	ND	214	107	200	7.35	
DRO >C10-C28*	<10.0	10.0	09/05/2025	ND	215	108	200	7.66	
EXT DRO >C28-C36	<10.0	10.0	09/05/2025	ND					

Surrogate: 1-Chlorooctane 89.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: SW - 5 ( 1.25' ) (H255514-18)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2025	ND	1.74	87.1	2.00	5.84	
Toluene*	<0.050	0.050	09/05/2025	ND	1.80	90.0	2.00	4.76	
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	1.79	89.6	2.00	4.25	
Total Xylenes*	<0.150	0.150	09/05/2025	ND	5.27	87.9	6.00	4.30	
Total BTEX	<0.300	0.300	09/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/05/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/05/2025	ND	214	107	200	7.35	
DRO >C10-C28*	<10.0	10.0	09/05/2025	ND	215	108	200	7.66	
EXT DRO >C28-C36	<10.0	10.0	09/05/2025	ND					

Surrogate: 1-Chlorooctane 93.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: SW - 6 ( 1.25' ) (H255514-19)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2025	ND	1.74	87.1	2.00	5.84		
Toluene*	<0.050	0.050	09/05/2025	ND	1.80	90.0	2.00	4.76		
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	1.79	89.6	2.00	4.25		
Total Xylenes*	<0.150	0.150	09/05/2025	ND	5.27	87.9	6.00	4.30		
Total BTEX	<0.300	0.300	09/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/05/2025	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/05/2025	ND	214	107	200	7.35		
DRO >C10-C28*	<10.0	10.0	09/05/2025	ND	215	108	200	7.66		
EXT DRO >C28-C36	<10.0	10.0	09/05/2025	ND						

Surrogate: 1-Chlorooctane 93.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: SW - 7 ( 1.25' ) (H255514-20)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2025	ND	1.74	87.1	2.00	5.84		
Toluene*	<0.050	0.050	09/05/2025	ND	1.80	90.0	2.00	4.76		
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	1.79	89.6	2.00	4.25		
Total Xylenes*	<0.150	0.150	09/05/2025	ND	5.27	87.9	6.00	4.30		
Total BTEX	<0.300	0.300	09/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	09/05/2025	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/05/2025	ND	214	107	200	7.35		
DRO >C10-C28*	<10.0	10.0	09/05/2025	ND	215	108	200	7.66		
EXT DRO >C28-C36	<10.0	10.0	09/05/2025	ND						

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.2 % 40.6-153

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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: SW - 8 ( 1.25' ) (H255514-21)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2025	ND	1.74	87.1	2.00	5.84	
Toluene*	<0.050	0.050	09/05/2025	ND	1.80	90.0	2.00	4.76	
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	1.79	89.6	2.00	4.25	
Total Xylenes*	<0.150	0.150	09/05/2025	ND	5.27	87.9	6.00	4.30	
Total BTEX	<0.300	0.300	09/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/05/2025	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/05/2025	ND	214	107	200	7.35	
DRO >C10-C28*	<10.0	10.0	09/05/2025	ND	215	108	200	7.66	
EXT DRO >C28-C36	<10.0	10.0	09/05/2025	ND					

Surrogate: 1-Chlorooctane 71.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.6 % 40.6-153

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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: SW - 9 ( 1.25' ) (H255514-22)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2025	ND	1.74	87.1	2.00	5.84		
Toluene*	<0.050	0.050	09/05/2025	ND	1.80	90.0	2.00	4.76		
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	1.79	89.6	2.00	4.25		
Total Xylenes*	<0.150	0.150	09/05/2025	ND	5.27	87.9	6.00	4.30		
Total BTEX	<0.300	0.300	09/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	09/05/2025	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/05/2025	ND	214	107	200	7.35		
DRO >C10-C28*	<10.0	10.0	09/05/2025	ND	215	108	200	7.66		
EXT DRO >C28-C36	<10.0	10.0	09/05/2025	ND						

Surrogate: 1-Chlorooctane 72.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.7 % 40.6-153

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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: SW - 10 ( 1.25' ) (H255514-23)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2025	ND	1.74	87.1	2.00	5.84	
Toluene*	<0.050	0.050	09/05/2025	ND	1.80	90.0	2.00	4.76	
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	1.79	89.6	2.00	4.25	
Total Xylenes*	<0.150	0.150	09/05/2025	ND	5.27	87.9	6.00	4.30	
Total BTEX	<0.300	0.300	09/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/05/2025	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/05/2025	ND	214	107	200	7.35	
DRO >C10-C28*	<10.0	10.0	09/05/2025	ND	215	108	200	7.66	
EXT DRO >C28-C36	<10.0	10.0	09/05/2025	ND					

Surrogate: 1-Chlorooctane 70.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.3 % 40.6-153

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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: SW - 11 ( 1.25' ) (H255514-24)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2025	ND	1.74	87.1	2.00	5.84	
Toluene*	<0.050	0.050	09/05/2025	ND	1.80	90.0	2.00	4.76	
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	1.79	89.6	2.00	4.25	
Total Xylenes*	<0.150	0.150	09/05/2025	ND	5.27	87.9	6.00	4.30	
Total BTEX	<0.300	0.300	09/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/05/2025	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/05/2025	ND	214	107	200	7.35	
DRO >C10-C28*	<10.0	10.0	09/05/2025	ND	215	108	200	7.66	
EXT DRO >C28-C36	<10.0	10.0	09/05/2025	ND					

Surrogate: 1-Chlorooctane 82.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: SW - 12 ( 1.25' ) (H255514-25)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2025	ND	1.74	87.1	2.00	5.84	
Toluene*	<0.050	0.050	09/05/2025	ND	1.80	90.0	2.00	4.76	
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	1.79	89.6	2.00	4.25	
Total Xylenes*	<0.150	0.150	09/05/2025	ND	5.27	87.9	6.00	4.30	
Total BTEX	<0.300	0.300	09/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/05/2025	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/05/2025	ND	214	107	200	7.35	
DRO >C10-C28*	<10.0	10.0	09/05/2025	ND	215	108	200	7.66	
EXT DRO >C28-C36	<10.0	10.0	09/05/2025	ND					

Surrogate: 1-Chlorooctane 75.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: SW - 13 ( 1.25' ) (H255514-26)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2025	ND	1.78	89.2	2.00	7.92		
Toluene*	<0.050	0.050	09/05/2025	ND	2.06	103	2.00	4.62		
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	2.20	110	2.00	1.69		
Total Xylenes*	<0.150	0.150	09/05/2025	ND	6.86	114	6.00	0.871		
Total BTEX	<0.300	0.300	09/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	09/05/2025	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/05/2025	ND	214	107	200	7.35		
DRO >C10-C28*	<10.0	10.0	09/05/2025	ND	215	108	200	7.66		
EXT DRO >C28-C36	<10.0	10.0	09/05/2025	ND						

Surrogate: 1-Chlorooctane 73.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: SW - 14 ( 1.25' ) (H255514-27)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2025	ND	1.78	89.2	2.00	7.92	
Toluene*	<0.050	0.050	09/05/2025	ND	2.06	103	2.00	4.62	
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	2.20	110	2.00	1.69	
Total Xylenes*	<0.150	0.150	09/05/2025	ND	6.86	114	6.00	0.871	
Total BTEX	<0.300	0.300	09/05/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/05/2025	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/05/2025	ND	214	107	200	7.35	
DRO >C10-C28*	<10.0	10.0	09/05/2025	ND	215	108	200	7.66	
EXT DRO >C28-C36	<10.0	10.0	09/05/2025	ND					

Surrogate: 1-Chlorooctane 81.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 RILEY PLOGGER  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/04/2025	Sampling Date:	09/04/2025
Reported:	09/10/2025	Sampling Type:	Soil
Project Name:	BOYD Y CTB	Sampling Condition:	Cool & Intact
Project Number:	2835	Sample Received By:	Alyssa Parras
Project Location:	SILVERBACK - EDDY CO., NM		

**Sample ID: SW - 15 ( 1.25' ) (H255514-28)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2025	ND	1.78	89.2	2.00	7.92	
Toluene*	<0.050	0.050	09/05/2025	ND	2.06	103	2.00	4.62	
Ethylbenzene*	<0.050	0.050	09/05/2025	ND	2.20	110	2.00	1.69	
Total Xylenes*	<0.150	0.150	09/05/2025	ND	6.86	114	6.00	0.871	
Total BTEX	<0.300	0.300	09/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 132 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/05/2025	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/05/2025	ND	214	107	200	7.35	
DRO >C10-C28*	<10.0	10.0	09/05/2025	ND	215	108	200	7.66	
EXT DRO >C28-C36	<10.0	10.0	09/05/2025	ND					

Surrogate: 1-Chlorooctane 81.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.7 % 40.6-153

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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H85514

Page 1 of 3

Project Manager:	Riley Plogger	Bill to: (if different)	Fernando Rodriguez
Company Name:	Carmona Resources	Company Name:	Silverback Exploration
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	frdriquez@silverbackexp.com

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

Project Name:	Boyd Y CTB	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	2835	Due Date:	Standard		
Project Location:	Eddy Co, NM				
Sampler's Name:	FV				
PO #:					
<b>SAMPLE RECEIPT</b>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:			
Total Containers:		Corrected Temperature:			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST	Preservative Codes	Sample Comments
CS-1 (1.25')	9/4/2025		X		Comp	1	BTEX 8021B	None: NO Cool: Cool HCL: HC H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	
CS-2 (1.25')	9/4/2025		X		Comp	1	TPH 8015M ( GRO + DRO + MRO)	DI Water: H <sub>2</sub> O MeOH: Me HNO <sub>3</sub> : HN NaOH: Na	
CS-3 (1.25')	9/4/2025		X		Comp	1	Chloride 4500.0	H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NasO <sub>5</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
CS-4 (1.25')	9/4/2025		X		Comp	1			
CS-5 (1.25')	9/4/2025		X		Comp	1			
CS-6 (1.25')	9/4/2025		X		Comp	1			
CS-7 (1.25')	9/4/2025		X		Comp	1			
CS-8 (1.25')	9/4/2025		X		Comp	1			
CS-9 (1.25')	9/4/2025		X		Comp	1			
CS-10 (1.25')	9/4/2025		X		Comp	1			

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Brian Tanager</i>		<i>CPAVER</i>	9.4.25/1928

Chain of Custody

Work Order No: H255814

Page 2 of 3

Page 32 of 33

Project Manager:	Riley Plogger	Bill to: (if different)	Fernando Rodriguez
Company Name:	Carmona Resources	Company Name:	Silverback Exploration
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	frodriquez@silverbackexp.com

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

Project Name:	Project Number:	Project Location:	Sampler's Name:	PO #:	Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes
					<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush												
Boyd Y CTB	2835	Eddy Co, NM	FV		<input checked="" type="checkbox"/>													None: NO DI Water: H <sub>2</sub> O
<b>SAMPLE RECEIPT</b> Received In tact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Cooler Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Sample Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Total Containers:					Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID: #140	Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters+B16:AX46										Cool: Cool HCL: HC H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
CS-11 (1.25)	9/4/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X	X	11
CS-12 (1.25)	9/4/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X	X	12
CS-13 (1.25)	9/4/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X	X	13
SW-1 (1.25)	9/4/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X	X	14
SW-2 (1.25)	9/4/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X	X	15
SW-3 (1.25)	9/4/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X	X	16
SW-4 (1.25)	9/4/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X	X	17
SW-5 (1.25)	9/4/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X	X	18
SW-6 (1.25)	9/4/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X	X	19
SW-7 (1.25)	9/4/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X	X	20

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>		<i>[Signature]</i>	9.4.25/1508

Chain of Custody

Work Order No: 1455514

Page 3 of 3

Page 33 of 33

Project Manager:	Riley Plogger	Bill to: (if different)	Fernando Rodriguez
Company Name:	Carmona Resources	Company Name:	Silverback Exploration
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	frdriguez@silverbackexp.com

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

Project Name:	Project Number:	Project Location:	Sampler's Name:	PO #:	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes
					<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush		Due Date:	Standard											
Boyd Y CTB	2835	Eddy Co, NM	FV					Parameters+B16:AX46												None: NO
								BTEX 8021B												Cool: Cool
								TPH 8015M ( GRO + DRO + MRO)												HCL: HC
								Chloride 4500.0												H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>
																				H <sub>3</sub> PO <sub>4</sub> : HP
																				NaHSO <sub>4</sub> : NABIS
																				Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>
																				Zn Acetate+NaOH: Zn
																				NaOH+Ascorbic Acid: SAPC
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
SW-8 (1.25)	9/4/2025		X		Comp	1	X	X	X									21		
SW-9 (1.25)	9/4/2025		X		Comp	1	X	X	X									22		
SW-10 (1.25)	9/4/2025		X		Comp	1	X	X	X									23		
SW-11 (1.25)	9/4/2025		X		Comp	1	X	X	X									24		
SW-12 (1.25)	9/4/2025		X		Comp	1	X	X	X									25		
SW-13 (1.25)	9/4/2025		X		Comp	1	X	X	X									26		
SW-14 (1.25)	9/4/2025		X		Comp	1	X	X	X									27		
SW-15 (1.25)	9/4/2025		X		Comp	1	X	X	X									28		

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>		<i>[Signature]</i>	9/4/25/1558

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 560339

**QUESTIONS**

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue Oklahoma City, OK 73104	OGRID: 372290
	Action Number: 560339
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2521940601
Incident Name	NAPP2521940601 BOYD Y CTB @ FAPP2233334651
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2233334651] BOYD Y FACILITY

**Location of Release Source**

Please answer all the questions in this group.

Site Name	Boyd Y CTB
Date Release Discovered	08/07/2025
Surface Owner	Private

**Incident Details**

Please answer all the questions in this group.

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	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: Equipment Failure   Other (Specify)   Crude Oil   Released: 2 BBL   Recovered: 0 BBL   Lost: 2 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)	Liquid level switches didn't engage at the heater and flare knockout and routed fluids to the high-pressure flare, which then caught fire

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**QUESTIONS (continued)**

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**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>More info needed to determine if this will be treated as a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>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.</b>

*With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.*

**Initial Response**

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

The source of the release has been stopped	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>True</b>
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: <a href="#">Fernando Rodriguez</a> Title: <a href="#">SR EHS Specialist</a> Email: <a href="mailto:fernandorodriguez@rileypermian.com">fernandorodriguez@rileypermian.com</a> Date: 03/05/2026
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Action 560339

**QUESTIONS (continued)**

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue Oklahoma City, OK 73104	OGRID: 372290
	Action Number: 560339
	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 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (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)	288
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	3070
GRO+DRO (EPA SW-846 Method 8015M)	1900
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	09/03/2025
On what date will (or did) the final sampling or liner inspection occur	09/03/2025
On what date will (or was) the remediation complete(d)	02/11/2026
What is the estimated surface area (in square feet) that will be reclaimed	2515
What is the estimated volume (in cubic yards) that will be reclaimed	117
What is the estimated surface area (in square feet) that will be remediated	2515
What is the estimated volume (in cubic yards) that will be remediated	117

*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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Action 560339

**QUESTIONS (continued)**

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	Action Number: 560339
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**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 <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	<a href="#">fEEM0112342028 LEA LAND LANDFILL</a>
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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: Fernando Rodriguez Title: SR EHS Specialist Email: fernandorodriguez@rileypermian.com Date: 03/05/2026
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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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Action 560339

**QUESTIONS (continued)**

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	Action Number: 560339
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**QUESTIONS**

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

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Action 560339

**QUESTIONS (continued)**

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	Action Number: 560339
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>500596</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>09/05/2025</b>
What was the (estimated) number of samples that were to be gathered	<b>16</b>
What was the sampling surface area in square feet	<b>2100</b>

<b>Remediation Closure Request</b>	
<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	2515
What was the total volume (cubic yards) remediated	117
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	2515
What was the total volume (in cubic yards) reclaimed	117
Summarize any additional remediation activities not included by answers (above)	N/A

*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: Fernando Rodriguez Title: SR EHS Specialist Email: fernandorodriguez@rileyperman.com Date: 03/05/2026
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**QUESTIONS (continued)**

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**QUESTIONS**

<b>Reclamation Report</b>	
<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 560339

**CONDITIONS**

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**CONDITIONS**

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	4/27/2026