



SITE INFORMATION

Closure Report
M-Suction to Lusk 6" S-09062024
Eddy County, New Mexico
Incident ID: nAPP2426029063
Unit M Sec 27 T18S R31E
32.712283°, -103.863468°

Natural Gas Release
Point of Release: Equipment Failure
Release Date: 09.06.2024
Volume Released: 5 barrels of Condensate
Volume Recovered: 0 barrels of Condensate

CARMONA RESOURCES



Prepared for:
Kinetik Midstream
47 Conoco Rd.
Maljamar, New Mexico 88264

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

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October 28, 2024

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

Re: Closure Report
M-Suction to Lusk 6"-S-09062024
Kinetik Midstream
Incident ID: nAPP2426029063
Site Location: Unit M, S27, T18S, R31E
(Lat 32.712283°, Long -103.863468°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Kinetik Midstream, Carmona Resources, LLC has prepared this letter to document site assessment activities for the M-Suction to Lusk 6" S-09062024. This site is located at 32.712283°, -103.863468° within Unit M, S27, T18S, R31E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notice of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered due to equipment failure on a 6" steel gas line on September 06, 2024. It released approximately five (5) barrels of condensate, with zero (0) barrels recovered. The impacted area occurred on the R.O.W. See Figure 3. The Notice of Release form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is located approximately 1.19 miles southeast of the site in S35, T18S, R31E, and was drilled in 1994. The well has a reported depth to groundwater of 260.67' below ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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



4.0 Site Assessment Activities

Initial Assessment

Carmona Resources, LLC performed site assessment activities to evaluate soil impacts from the release. Four (4) sample points (S-1 through S-4) and six (6) horizontal samples (H-1 through H-6) were advanced to depths ranging from the surface to 4' bgs inside and surrounding the release area to assess the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. See Table 1 for the analytical results.

Vertical Delineation

The areas of S-2, S-3, & S-4 showed elevated chloride levels above regulatory thresholds ranging from 816 ppm to 1,040 ppm as well as the areas of S-2 & S-4 showed elevated TPH levels above regulatory thresholds ranging from 247 to 1,714 ppm. All other sample point locations were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

Horizontal Delineation

Horizontal delineation was achieved for all horizontal sample points. (H-1 through H-6) Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were on site to guide the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via the NMOCD Portal on October 8, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of six (6) floor confirmation samples were collected (CS-1 through CS-6), and ten (10) sidewall samples (SW-1 through SW-10) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

All final confirmation samples met the regulatory requirements for TPH, BTEX, and chloride. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. The material utilized for backfill was sourced from the Lea Land Pit, located at GPS 32.523425°, -103.784269°. The pit sample was 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.



Approximately 140 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment results and the final analytical data, no further actions are required at the site. EOG formally requests the closure of these incidents. If you have any questions about this report or need additional information, please contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

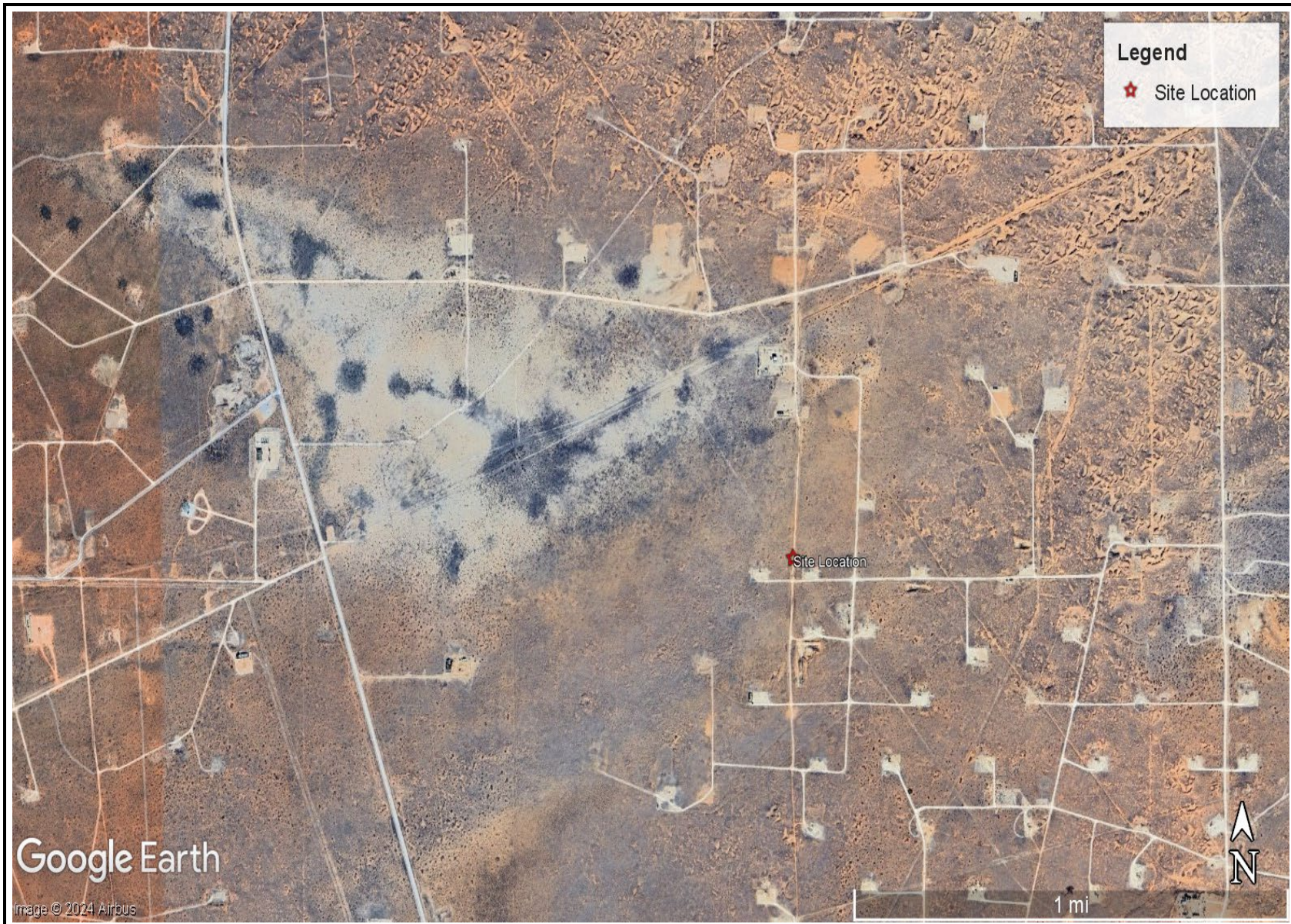
Conner Moehring
Environmental Manager


Devin Dominguez
Sr. Project Manager

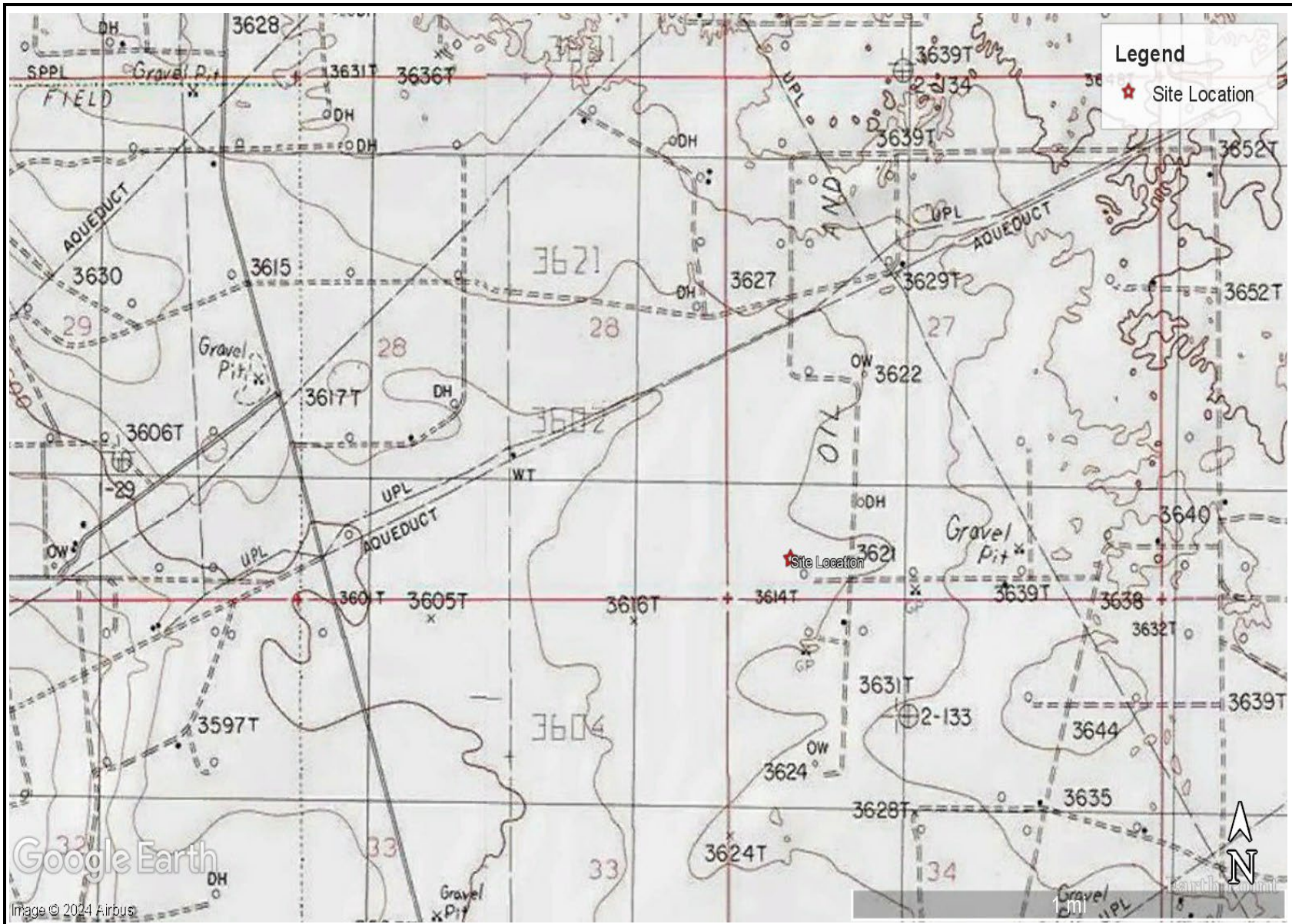
FIGURES

CARMONA RESOURCES





<p>OVERVIEW MAP KINETIK MIDSTREAM M-SUCTION TO LUSK 6" S-09062024 EDDY COUNTY, NEW MEXICO 32.712283°, -103.863468°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 1</p>
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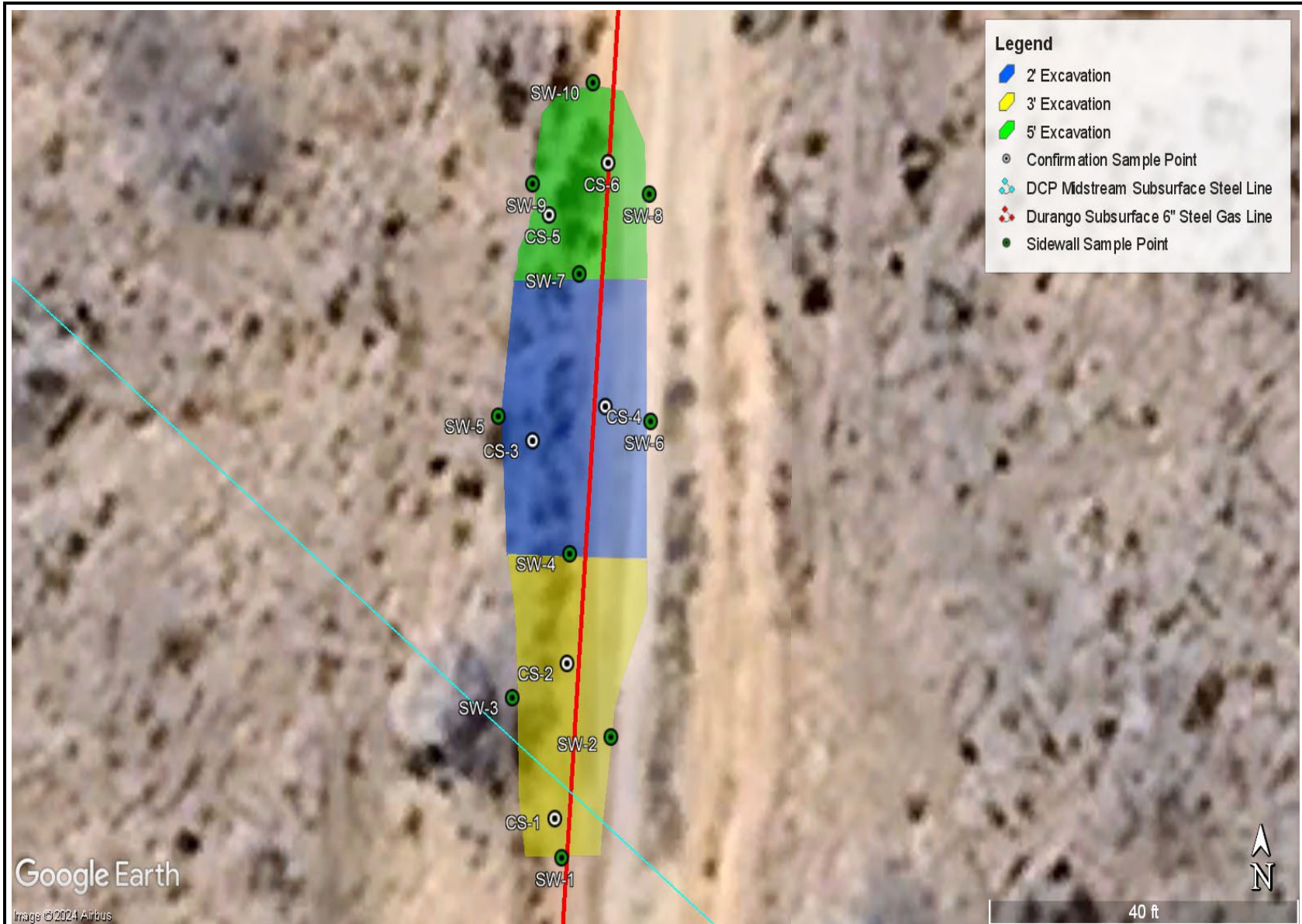
TOPOGRAPHIC MAP
 KINETIK MIDSTREAM
 M-SUCTION TO LUSK 6" S-09062024
 EDDY COUNTY, NEW MEXICO
 32.712283°, -103.863468°




FIGURE 2



<p>SAMPLE LOCATION MAP KINETIK MIDSTREAM M-SUCTION TO LUSK 6" S-09062024 EDDY COUNTY, NEW MEXICO 32.712283°, -103.863468°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 3</p>
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<p>EXCAVATION MAP KINETIK MIDSTREAM M-SUCTION TO LUSK 6" S-09062024 EDDY COUNTY, NEW MEXICO 32.712283°, -103.863468°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4</p>
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APPENDIX A

CARMONA RESOURCES



Table 1
Kinetik Midstream
M-Suction to Lusk 6" 09062024
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	9/26/2024	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
S-2	9/26/2024	0-1'	78.9	785	39.9	903	<0.050	0.095	0.077	1.46	1.63	816
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
S-3	9/26/2024	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,040
	"	3'	<10.0	<10.1	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
S-4	9/26/2024	0-1'	179	1,460	75.1	1,714	<0.050	0.125	0.098	2.23	2.46	848
	"	2'	<10.0	247	<10.0	247	<0.050	<0.050	<0.050	<0.150	<0.300	1,040
	"	3'	<10.0	<10.2	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-1	9/26/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
H-2	9/26/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-3	9/26/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
H-4	9/26/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
H-5	9/26/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
H-6	9/26/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
<i>Regulatory Criteria</i> ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

(H) Horizontal Point

 Removed

Table 2
Kinetik Midstream
M-Suction to Lusk 6"09062024
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	10/11/2024	3	<10.0	15.2	<10.0	15.2	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-2	10/11/2024	3	<10.0	16.6	<10.0	16.6	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-3	10/11/2024	2	<10.0	15.1	<10.0	15.1	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-4	10/11/2024	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-5	10/11/2024	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-6	10/11/2024	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-1	10/11/2024	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-2	10/11/2024	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-3	10/11/2024	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-4	10/11/2024	1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-5	10/11/2024	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-6	10/11/2024	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
SW-7	10/11/2024	3	<10.0	15.8	<10.0	15.8	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-8	10/11/2024	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-9	10/11/2024	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-10	10/11/2024	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Lea Land Pit	10/11/2024	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
<i>Regulatory Criteria</i> ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC
 mg/kg - milligram per kilogram
 TPH - Total Petroleum Hydrocarbons
 ft - feet
 (CS) Confirmation Sample
 (SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Kinetik Midstream

Photograph No. 1

Facility: M-Suction to Lusk 6"

County: Eddy County, New Mexico

Description:
View South, area of Confirmation Samples (1-3).



Photograph No. 2

Facility: M-Suction to Lusk 6"

County: Eddy County, New Mexico

Description:
View North, area of Confirmation Samples (4-6).



Photograph No. 3

Facility: M-Suction to Lusk 6"

County: Eddy County, New Mexico

Description:
View South, area of the backfilled excavation.



APPENDIX C

CARMONA RESOURCES



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

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

QUESTIONS

Action 383690

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 383690
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	M- Suction to Lusk -6"- S-09062024
Date Release Discovered	09/06/2024
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
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	Cause: High Line Pressure Other (Specify) Condensate Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL.
Natural Gas Vented (Mcf) Details	Cause: High Line Pressure Other (Specify) Natural Gas Vented Released: 3 Mcf Recovered: 0 Mcf Lost: 3 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 383690

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 383690
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	Yes, according to supplied volumes 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	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</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.

Initial Response

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

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

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

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Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 383690

ACKNOWLEDGMENTS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 383690
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

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

CONDITIONS

Action 383690

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 383690
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
sorozco	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	9/16/2024



Gas Volume Blow-Down Report

Gas Blow-Down Volume Calculator		
Date:	9/6/2024	
Site or Line Name:	M- Suction to Lusk -6"- S-09062024	
Inside Diameter of Pipe or Vessel:	6	inches
Length or Height of Pipe or Vessel:	5,121	feet
Physical Volume of Pipe or Vessel:	1,005.51	cubic feet
Number of Occurrences:	1	Default is 1 for one blow-down
Purge Factor:	0	1 if purged, 0 if not purged
Compressibility Factor for Natural Gas:	1	Default is 1
Temperature:	77	Degrees F
Absolute Pressure:	43	psia (Gauge Pressure + 14.7)
Representative Gas Analysis	Please attach or email a representative gas analysis	

Constants		
Temperature at standard conditions:	60	Deg. F
Pressure at standard conditions:	14.7	PSIA
Volume of Gas:	2.85	MSCF

Notes
Entered by user
Calculated Value
Constant



Liquid Volume Release Report

Liquid Release Volume Calculator							
Date:	9/6/2024						
Site or Line Name:	M- Suction to Lusk -6"- S-09062024						
Soil Type	Porosity	Length	Width	Depth (.083 per inch)	Cubic Feet	Estimated Barrels	Soil Type
Clay	0.15				0	0.00	Clay
Sandy Clay	0.12				0	0.00	Sandy Clay
Silt	0.16				0	0.00	Silt
Fine Sand	0.16	115	20	0.083	190.9	5.44	Fine Sand
Medium Sand	0.25				0	0.00	Medium Sand
Coarse Sand	0.26				0	0.00	Coarse Sand
Gravelly Sand	0.26				0	0.00	Gravelly Sand
Fine Gravel	0.26				0	0.00	Fine Gravel
Medium Gravel	0.20				0	0.00	Medium Gravel
Coarse Gravel	0.18				0	0.00	Coarse Gravel
Sandstone	0.25				0	0.00	Sandstone
Siltstone	0.18				0	0.00	Siltstone
Limestone	0.13				0	0.00	Limestone
Basalt	0.19				0	0.00	Basalt
Standing Liquids	X	0	0	0	0	0.00	Standing Liquids

Choose the one prevailing ground type for estimating spill volumes at a single location. Standing liquids are figured separately using the green cell.

Note that the depth should be measured in feet and tenths of feet (1 inch = .083)

Cubic Feet = L x W x D
 Estimated Barrels = ((Cubic Feet x Porosity) / 5.61)

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 390907

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 390907
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2426029063
Incident Name	NAPP2426029063 M- SUCTION TO LUSK -6"- S-09062024 @ 0
Incident Type	Natural Gas Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2123229442] Frontier Field Services Gathering System

Location of Release Source	
Site Name	M- Suction to Lusk -6"- S-09062024
Date Release Discovered	09/06/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	1,280
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/11/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Devin Dominguez (432) 701-5475
Please provide any information necessary for navigation to sampling site	32.712283, -103.863468

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
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State of New Mexico
Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 390907

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 390907
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
sorozco	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.	10/8/2024

APPENDIX D

CARMONA RESOURCES



Nearest water well

Frontier Field Services, LLC

Legend

- 0.50 Mile Radius
- 1.19 Miles
- 2.12 Miles
- 2.31 Miles
- Groundwater Determination Bore
- M - Suction to Lusk - 6" - S-09062024 (09.06.2024)
- USGS Water Well

M - Suction to Lusk - 6" - S-09062024 (09.06.2024)

260.67 - Drilled 1994

55' - GWDB - 03.08.2023

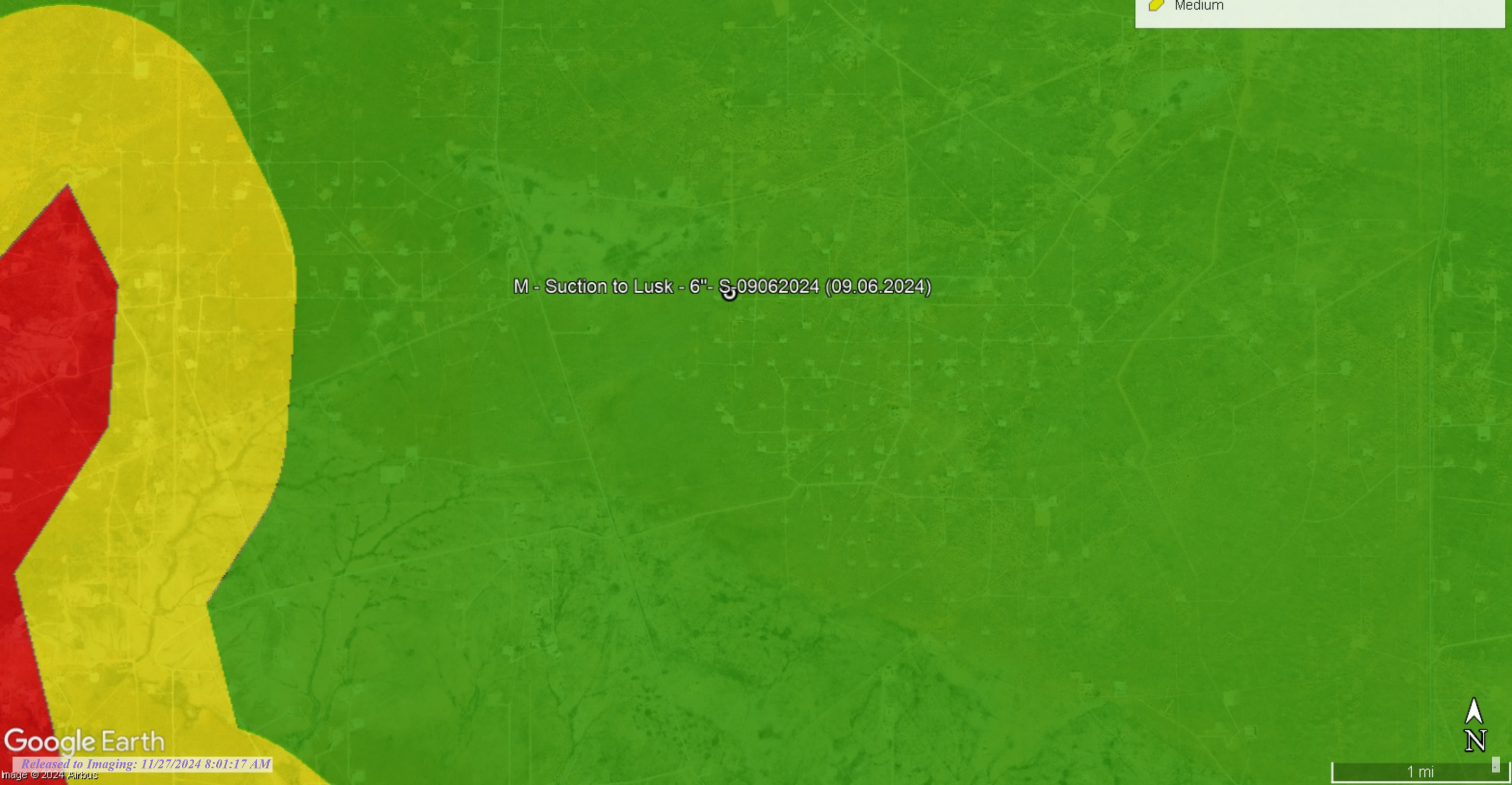
105' GWDB - 03.04.2024



Low Karst
Frontier Field Services, LLC

Legend

- High
- Low
- M - Suction to Lusk - 6" - S-09062024 (09.06.2024)
- Medium



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
------	------	--------------------------------	----------------	--------------------------------------	---	---------------------------	--------	-----------------------

Groundwater New Mexico GO

Click to hide News Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
 site_no list = 324159103503801

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

USGS 324159103503801 18S.31E.35.31324

Eddy County, New Mexico
 Latitude 32°42'07.3", Longitude 103°50'50.1" NAD83
 Land-surface elevation 3,630 feet above NAVD88
 The depth of the well is 300 feet below land surface.
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.
 This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement	Water-level approval status
1971-04-05		D	62610		3367.36	NGVD29	1	Z			A
1971-04-05		D	62611		3368.92	NAVD88	1	Z			A
1971-04-05		D	72019	261.08			1	Z			A
1976-05-27		D	62610		3367.91	NGVD29	1	Z			A
1976-05-27		D	62611		3369.47	NAVD88	1	Z			A
1976-05-27		D	72019	260.53			1	Z			A
1983-04-11		D	62610		3367.94	NGVD29	1	Z			A
1983-04-11		D	62611		3369.50	NAVD88	1	Z			A
1983-04-11		D	72019	260.50			1	Z			A
1987-01-26		D	62610		3367.44	NGVD29	1	S			A
1987-01-26		D	62611		3369.00	NAVD88	1	S			A
1987-01-26		D	72019	261.00			1	S			A
1994-03-17		D	62610		3367.77	NGVD29	1	S			A
1994-03-17		D	62611		3369.33	NAVD88	1	S			A
1994-03-17		D	72019	260.67			1	S			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

9/18/24, 7:22 AM

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 meas
Source of measurement		Not determined						
Water-level approval status			A	Approved for publication -- Processing and review completed.				

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

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

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



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2024-09-18 08:21:44 EDT
0.36 0.25 nadww02

Project Name: Corsair State #002H

Borehole Location/GPS Coordinates: 32.695595°, -103.832960° Surface Elevation: 3633 ft

Borehole Number: Corsair State #002H DTW Borehole Diameter (in.): 8 Date Started: Date Finished: 3/8/2023

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm)	VOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS		DEPTH (ft)	REMARKS
												While Drilling	Upon Completion of Drilling		
												While Drilling <input checked="" type="checkbox"/> DRY ft Upon Completion of Drilling <input checked="" type="checkbox"/> DRY ft Remarks:			
												MATERIAL DESCRIPTION			
5											-SC- CLAYEY SAND: Light brown, fine-grained, dry, partially cemented, with gravel-sized caliche	2			
											-SP- SAND: Light brown, loose, dry, fine- to coarse-grained, partially cemented	4			
10											-SP-SC- SAND: Light brown, loose, fine- to coarse-grained, dry, with cemented fragments and clayey sand pockets	9			
15											-SP-SC- SAND: Pale brown to light brown, loose, fine- to coarse-grained, dry, intermixed with clayey sand, with caliche	14			
20											-SP- SAND: Pale brown, fine- to coarse-grained, dry, with rounded pebble-sized caliche	19			
25											-SP- SAND: Light reddish brown, fine- to coarse-grained, dry, with caliche fragments and pebble-sized rounded gravel	29			
30											-CL- CLAY: Reddish brown, intermixed with coarse-grained sand, dry, with caliche fragments	34			
35											-SM- SAND: Reddish brown, loose, uncemented to weakly cemented, fine-grained, dry, trace clay, with caliche fragments	39			
40											-SP- SAND: Reddish brown, loose, fine- to coarse-grained, dry, some gravel, trace caliche	44			
45											-CL- CLAY: Brown, hard, intermixed with sand and subangular gravel, trace caliche	49			
50											-SM- SAND: Brown, fine- to coarse-grained, dry, with clay fragments	54			
55											-CL- CLAY: Brown, hard, dry, trace sand	55			
Bottom of borehole at 55.0 feet.															

Sampler Types: Split Spoon Shelby Bulk Sample Grab Sample Acetate Liner Vane Shear Discrete Sample Test Pit	Operation Types: Mud Rotary Continuous Flight Auger Wash Rotary Hand Auger Air Rotary Direct Push Core Barrel	Notes: Surface elevation is an approximate value obtained from Google Earth data.
--	---	---

Logger: Colton Bickerstaff Drilling Equipment: Air Rotary Driller: Scarborough Drilling



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1		WELL TAG ID NO. N/A		OSE FILE NO(S) CP-01989		
	WELL OWNER NAME(S) Devon Energy Production Company				PHONE (OPTIONAL) 575-748-1838		
	WELL OWNER MAILING ADDRESS 205 E. Bender Road #150				CITY Hobbs	STATE Nm	ZIP 88240
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 40	SECONDS 52.2012	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE -103	50	56.3568	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Unit D, Section 11, Township 19S, Range 31E, Lea County, New Mexico							

2. DRILLING & CASING INFORMATION	LICENSE NO. WD1188	NAME OF LICENSED DRILLER John Scarborough			NAME OF WELL DRILLING COMPANY John Scarborough Drilling Inc.			
	DRILLING STARTED 03/04/2024	DRILLING ENDED 03/04/2024	DEPTH OF COMPLETED WELL (FT) 105	BORE HOLE DEPTH (FT) 105	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A			
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	105	5.00	Soil Boring	-	-	-	-

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				N/A		

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/19)			
FILE NO.	POD NO.	TRN NO.			
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2			

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	10	10		Y ✓ N	
	10	20	10	Sand, red/brown, coarse to fine grain with caliche gravel	Y ✓ N	
	20	30	10	Sand with clay, fine grain, trace caliche gravel, nonuniform	Y ✓ N	
	30	40	10	Sand with caliche gravel, red, coarse trace caliche gravel, nonuniform	Y ✓ N	
	40	50	10	Sandy-clay, red, very fine to fine, noncohesive	Y ✓ N	
	50	60	10	Sand with gravel, red to brown, 52 ft silica gravel layer, thickly bedded	Y ✓ N	
	60	70	10	Sand with gravel, red to brown, fine to medium grain, trace silica	Y ✓ N	
	70	80	10	Sand with clay, grey sand with red clay, 77 ft caliche layer thickly bedded	Y ✓ N	
	80	90	10	Sand with clay, grey sand with red clay, medium to fine grain, uniform	Y ✓ N	
	90	100	10	Sand with clay, light to med brown sand with dark red/brownw clay, fine, unif.	Y ✓ N	
	100	105	5	Sand with clay, light to med brown sand with dark red/brownw clay, fine, unif.	Y ✓ N	
	105	105	0	Sand with gravel, grey sand with red clay, medium to fine grain, trace gravel	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:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:						

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: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to 10 ft below ground surface (bgs), then hydrated bentonite chips 10 ft bgs to ground surface.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Scott Scarborough	

6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.		
	Scott Scarborough _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Digitally signed by Scott Scarborough Date: 2024.03.25 08:44:51 -0600 Scott Scarborough _____ DATE	03/25/2024 _____ DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO	PAGE 2 OF 2	

National Flood Hazard Layer FIRMette



103°52'8"W 32°42'59"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- SPECIAL FLOOD HAZARD AREAS**
 - Without Base Flood Elevation (BFE) Zone A, V, A99
 - With BFE or Depth Zone AE, AO, AH, VE, AR
 - Regulatory Floodway
 - OTHER AREAS OF FLOOD HAZARD**
 - 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
 - Future Conditions 1% Annual Chance Flood Hazard Zone X
 - Area with Reduced Flood Risk due to Levee. See Notes. Zone X
 - Area with Flood Risk due to Levee Zone D
 - OTHER AREAS**
 - NO SCREEN Area of Minimal Flood Hazard Zone X
 - Effective LOMRs
 - Area of Undetermined Flood Hazard Zone D
 - GENERAL STRUCTURES**
 - Channel, Culvert, or Storm Sewer
 - Levee, Dike, or Floodwall
 - OTHER FEATURES**
 - Cross Sections with 1% Annual Chance Water Surface Elevation
 - Coastal Transect
 - Base Flood Elevation Line (BFE)
 - Limit of Study
 - Jurisdiction Boundary
 - Coastal Transect Baseline
 - Profile Baseline
 - Hydrographic Feature
 - MAP PANELS**
 - Digital Data Available
 - No Digital Data Available
 - Unmapped
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



1:6,000

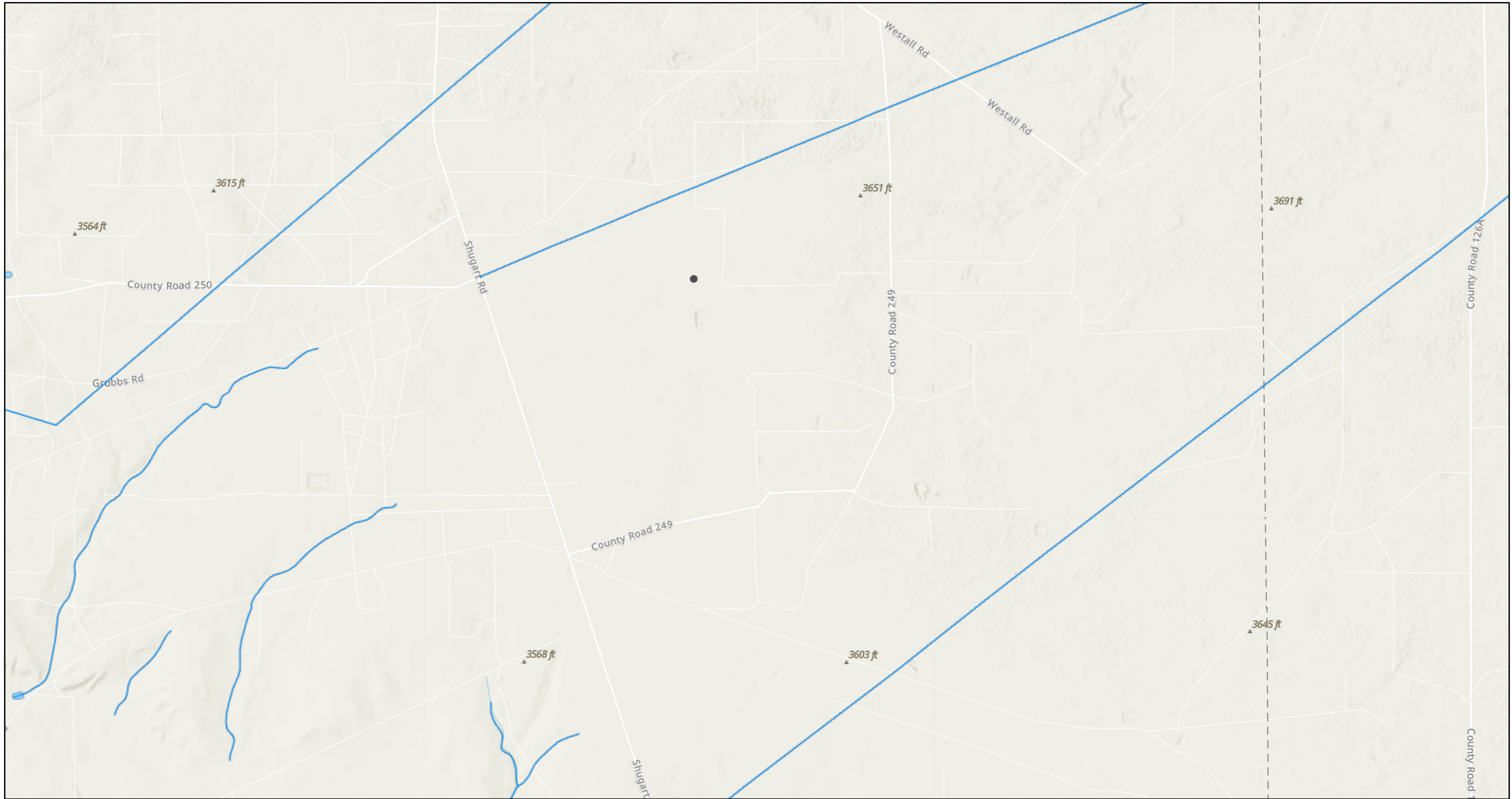
103°51'30"W 32°42'29"N

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/18/2024 at 8:53 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

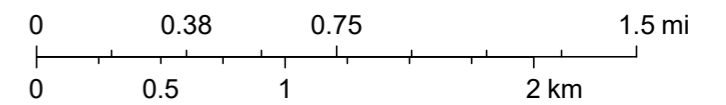
M - Suction to Lusk - 6" - S-09062024 (09.06.2024)



9/18/2024, 7:19:30 AM

- OSW Water Bodys
- OSE Streams

1:36,112



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

APPENDIX E

CARMONA RESOURCES





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

September 27, 2024

CLINT MERRITT

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: M - SUCTION TO LUSK 6" 09062024

Enclosed are the results of analyses for samples received by the laboratory on 09/26/24 14:02.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CLINT MERRITT
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: S - 1 (0-1') (H245866-01)

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	09/26/2024	ND	1.88	94.1	2.00	0.721	
Toluene*	<0.050	0.050	09/26/2024	ND	1.86	93.2	2.00	0.208	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.94	97.1	2.00	0.234	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.80	96.6	6.00	0.193	
Total BTEX	<0.300	0.300	09/26/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/27/2024	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	09/27/2024	ND	217	109	200	0.330	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	218	109	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CLINT MERRITT
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: S - 1 (2') (H245866-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2024	ND	1.88	94.1	2.00	0.721	
Toluene*	<0.050	0.050	09/26/2024	ND	1.86	93.2	2.00	0.208	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.94	97.1	2.00	0.234	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.80	96.6	6.00	0.193	
Total BTEX	<0.300	0.300	09/26/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/27/2024	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	09/27/2024	ND	217	109	200	0.330	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	218	109	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CLINT MERRITT
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: S - 2 (0-1') (H245866-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2024	ND	1.88	94.1	2.00	0.721	
Toluene*	0.095	0.050	09/26/2024	ND	1.86	93.2	2.00	0.208	GC-NC1
Ethylbenzene*	0.077	0.050	09/26/2024	ND	1.94	97.1	2.00	0.234	
Total Xylenes*	1.46	0.150	09/26/2024	ND	5.80	96.6	6.00	0.193	GC-NC1
Total BTEX	1.63	0.300	09/26/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	09/27/2024	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*	78.9	10.0	09/27/2024	ND	217	109	200	0.330	
DRO >C10-C28*	785	10.0	09/27/2024	ND	218	109	200	2.53	
EXT DRO >C28-C36	39.9	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CLINT MERRITT
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: S - 2 (2') (H245866-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	1.88	94.1	2.00	0.721		
Toluene*	<0.050	0.050	09/26/2024	ND	1.86	93.2	2.00	0.208		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.94	97.1	2.00	0.234		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.80	96.6	6.00	0.193		
Total BTEX	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	48.0	16.0	09/27/2024	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	09/27/2024	ND	217	109	200	0.330		
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	218	109	200	2.53		
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND						

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CLINT MERRITT
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: S - 2 (3') (H245866-05)

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	09/26/2024	ND	1.88	94.1	2.00	0.721		
Toluene*	<0.050	0.050	09/26/2024	ND	1.86	93.2	2.00	0.208		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.94	97.1	2.00	0.234		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.80	96.6	6.00	0.193		
Total BTEX	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	64.0	16.0	09/27/2024	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	09/27/2024	ND	217	109	200	0.330		
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	218	109	200	2.53		
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND						

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CLINT MERRITT
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: S - 2 (4') (H245866-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	1.88	94.1	2.00	0.721		
Toluene*	<0.050	0.050	09/26/2024	ND	1.86	93.2	2.00	0.208		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.94	97.1	2.00	0.234		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.80	96.6	6.00	0.193		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/27/2024	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	09/27/2024	ND	217	109	200	0.330		
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	218	109	200	2.53		
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND						

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CLINT MERRITT
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: S - 3 (0-1') (H245866-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2024	ND	1.92	96.0	2.00	3.04	QR-03
Toluene*	<0.050	0.050	09/26/2024	ND	2.03	101	2.00	2.64	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.08	104	2.00	2.30	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.43	107	6.00	1.76	
Total BTEX	<0.300	0.300	09/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	480	16.0	09/27/2024	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	09/27/2024	ND	217	109	200	0.330	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	218	109	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CLINT MERRITT
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: S - 3 (2') (H245866-08)

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	09/26/2024	ND	1.92	96.0	2.00	3.04	
Toluene*	<0.050	0.050	09/26/2024	ND	2.03	101	2.00	2.64	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.08	104	2.00	2.30	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.43	107	6.00	1.76	
Total BTEX	<0.300	0.300	09/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	1040	16.0	09/27/2024	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	09/27/2024	ND	217	109	200	0.330	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	218	109	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CLINT MERRITT
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: S - 3 (3') (H245866-09)

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	09/26/2024	ND	1.92	96.0	2.00	3.04	
Toluene*	<0.050	0.050	09/26/2024	ND	2.03	101	2.00	2.64	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.08	104	2.00	2.30	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.43	107	6.00	1.76	
Total BTEX	<0.300	0.300	09/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	09/27/2024	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	09/27/2024	ND	217	109	200	0.330	
DRO >C10-C28*	10.1	10.0	09/27/2024	ND	218	109	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CLINT MERRITT
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: S - 3 (4') (H245866-10)

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	09/26/2024	ND	1.92	96.0	2.00	3.04		
Toluene*	<0.050	0.050	09/26/2024	ND	2.03	101	2.00	2.64		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.08	104	2.00	2.30		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.43	107	6.00	1.76		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/27/2024	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	09/27/2024	ND	217	109	200	0.330		
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	218	109	200	2.53		
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND						

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CLINT MERRITT
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: S - 4 (0-1') (H245866-11)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2024	ND	1.92	96.0	2.00	3.04	
Toluene*	0.125	0.050	09/26/2024	ND	2.03	101	2.00	2.64	GC-NC1
Ethylbenzene*	0.098	0.050	09/26/2024	ND	2.08	104	2.00	2.30	
Total Xylenes*	2.23	0.150	09/26/2024	ND	6.43	107	6.00	1.76	GC-NC1
Total BTEX	2.46	0.300	09/26/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 139 % 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	848	16.0	09/27/2024	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*	179	10.0	09/27/2024	ND	217	109	200	0.330	
DRO >C10-C28*	1460	10.0	09/27/2024	ND	218	109	200	2.53	
EXT DRO >C28-C36	75.1	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CLINT MERRITT
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: S - 4 (2') (H245866-12)

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	09/26/2024	ND	1.92	96.0	2.00	3.04	
Toluene*	<0.050	0.050	09/26/2024	ND	2.03	101	2.00	2.64	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.08	104	2.00	2.30	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.43	107	6.00	1.76	
Total BTEX	<0.300	0.300	09/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	1040	16.0	09/27/2024	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	09/27/2024	ND	217	109	200	0.330	
DRO >C10-C28*	247	10.0	09/27/2024	ND	218	109	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CLINT MERRITT
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: S - 4 (3') (H245866-13)

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	09/26/2024	ND	1.92	96.0	2.00	3.04		
Toluene*	<0.050	0.050	09/26/2024	ND	2.03	101	2.00	2.64		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.08	104	2.00	2.30		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.43	107	6.00	1.76		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	09/27/2024	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	09/27/2024	ND	217	109	200	0.330		
DRO >C10-C28*	10.2	10.0	09/27/2024	ND	218	109	200	2.53		
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND						

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CLINT MERRITT
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: S - 4 (4') (H245866-14)

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	09/26/2024	ND	1.92	96.0	2.00	3.04	
Toluene*	<0.050	0.050	09/26/2024	ND	2.03	101	2.00	2.64	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.08	104	2.00	2.30	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.43	107	6.00	1.76	
Total BTEX	<0.300	0.300	09/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	09/27/2024	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	09/27/2024	ND	217	109	200	0.330	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	218	109	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference.
GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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

Cardinal Laboratories

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 124588

Page 1 of 2

Project Manager:	Clinton Merritt	Bill to: (if different):	Sebastian Orozco
Company Name:	Carmona Resources	Company Name:	Kinetic Midstream
Address:	310 W Wall St Ste 500	Address:	288 W Kincaid Ranch Rd.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Artesia, NM 88210
Phone:	432-813-9044	Email:	sorozco@kinetik.com

Work Order Comments
 Program: UST/PST PRP Brownfields RC Refertu
 State of Project:
 Reporting Level: Level II Level III PST/UST RRP Level IV
 Deliverables: EDD ADAPT Other:

Project Name:	M-Suction to Lusk 6" 09062024	<input type="checkbox"/> Turn A-round <input checked="" type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code
Project Number:	2528	Due Date:		
Project Location:	Eddy County, New Mexico	24 hrs		
Sampler's Name:	CCM			
PO #:				
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Well Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140	
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Correction Factor:	-0.6%	
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	Temperature Reading:	2.8%	
Total Containers:		Corrected Temperature:	2.2%	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters				Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500		
S-1 (0-1')	9/26/2024		X		Grab/	1	X	X	X		
S-1 (2')	9/26/2024		X		Grab/	1	X	X	X		
S-2 (0-1')	9/26/2024		X		Grab/	1	X	X	X		
S-2 (2')	9/26/2024		X		Grab/	1	X	X	X		
S-2 (3')	9/26/2024		X		Grab/	1	X	X	X		
S-2 (4')	9/26/2024		X		Grab/	1	X	X	X		
S-3 (0-1')	9/26/2024		X		Grab/	1	X	X	X		
S-3 (2')	9/26/2024		X		Grab/	1	X	X	X		
S-3 (3')	9/26/2024		X		Grab/	1	X	X	X		
S-3 (4')	9/26/2024		X		Grab/	1	X	X	X		

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

Relinquished by: (Signature)	9/26/24 1402	Received by: (Signature)	
Date/Time		Date/Time	

Chain of Custody

Work Order No:

HA45866

Page 2 of 2

Project Manager:	Clinton Merritt	Bill to: (if different)	Sebastian Orozco
Company Name:	Carmona Resources	Company Name:	Kinetic Midstream
Address:	310 W Wall St Ste 500	Address:	288 W Kincaid Ranch Rd.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Artesia, NM 88210
Phone:	432-813-9044	Email:	sorozco@kinetik.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund
State of Project:	Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/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:	M-Suction to Lusk 6" 09062024	Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes		
		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush														
Project Number:	2528														None: NO	DI Water: H ₂ O	
Project Location:	Eddy County, New Mexico	Due Date:													Cool: Cool	MeOH: Me	
Sampler's Name:	CCM	24 hrs													HCL: HC	HNO ₃ : HN	
PO #:															H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT	Tamp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											H ₃ PO ₄ : HP		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:													NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Temperature Reading:													Na ₂ S ₂ O ₅ : NaSO ₃		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Corrected Temperature:													Zn Acetate+NaOH: Zn		
Total Containers:															NaOH+Ascorbic Acid: SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters										Sample Comments
S-4 (0-1')	9/26/2024		X		Grab/	1	BTEX 8021B										
S-4 (2')	9/26/2024		X		Grab/	1	TPH 8015M (GRO + DRO + MRO)										
S-4 (3')	9/26/2024		X		Grab/	1	Chloride 4500										
S-4 (4')	9/26/2024		X		Grab/	1											

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Calase</i>	9-26-24/1402	<i>Sebastian Orozco</i>	



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

September 27, 2024

CLINT MERRITT

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: M - SUCTION TO LUSK 6" 09062024

Enclosed are the results of analyses for samples received by the laboratory on 09/26/24 14:02.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CLINT MERRITT
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: H - 1 (0-0.5') (H245867-01)

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	09/26/2024	ND	1.82	91.0	2.00	2.20	
Toluene*	<0.050	0.050	09/26/2024	ND	1.93	96.7	2.00	1.16	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.6	2.00	0.692	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.92	98.7	6.00	0.501	
Total BTEX	<0.300	0.300	09/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	128	16.0	09/27/2024	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	09/27/2024	ND	224	112	200	1.62	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	215	108	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.4 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CLINT MERRITT
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: H - 2 (0-0.5') (H245867-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2024	ND	1.82	91.0	2.00	2.20	
Toluene*	<0.050	0.050	09/26/2024	ND	1.93	96.7	2.00	1.16	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.6	2.00	0.692	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.92	98.7	6.00	0.501	
Total BTEX	<0.300	0.300	09/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	09/27/2024	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	09/27/2024	ND	224	112	200	1.62	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	215	108	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CLINT MERRITT
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: H - 3 (0-0.5') (H245867-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2024	ND	1.82	91.0	2.00	2.20	
Toluene*	<0.050	0.050	09/26/2024	ND	1.93	96.7	2.00	1.16	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.6	2.00	0.692	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.92	98.7	6.00	0.501	
Total BTEX	<0.300	0.300	09/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	48.0	16.0	09/27/2024	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	09/27/2024	ND	224	112	200	1.62	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	215	108	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CLINT MERRITT
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: H - 4 (0-0.5') (H245867-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2024	ND	1.82	91.0	2.00	2.20	
Toluene*	<0.050	0.050	09/26/2024	ND	1.93	96.7	2.00	1.16	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.6	2.00	0.692	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.92	98.7	6.00	0.501	
Total BTEX	<0.300	0.300	09/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	160	16.0	09/27/2024	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	09/27/2024	ND	224	112	200	1.62	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	215	108	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CLINT MERRITT
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: H - 5 (0-0.5') (H245867-05)

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	09/26/2024	ND	1.82	91.0	2.00	2.20		
Toluene*	<0.050	0.050	09/26/2024	ND	1.93	96.7	2.00	1.16		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.6	2.00	0.692		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.92	98.7	6.00	0.501		
Total BTEX	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	64.0	16.0	09/27/2024	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	09/27/2024	ND	224	112	200	1.62		
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	215	108	200	4.22		
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND						

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CLINT MERRITT
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: H - 6 (0-0.5') (H245867-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2024	ND	1.82	91.0	2.00	2.20	
Toluene*	<0.050	0.050	09/26/2024	ND	1.93	96.7	2.00	1.16	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.6	2.00	0.692	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.92	98.7	6.00	0.501	
Total BTEX	<0.300	0.300	09/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	64.0	16.0	09/27/2024	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	09/27/2024	ND	224	112	200	1.62	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	215	108	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

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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: 11245867

Page 1 of 1

Project Manager:	Clinton Merritt	Bill to: (if different)	Sebastian Orozco
Company Name:	Carmona Resources	Company Name:	Kinetic Midstream
Address:	310 W Wall St Ste 500 Midland, TX 79701	Address:	288 W. Kincaid Ranch Rd. Artesia, NM 88210
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Artesia, NM 88210
Phone:	432-813-9044	Email:	sorozco@kinetik.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> fromfields <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"/> PST/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:	M-Suction to Lusk 6" 09062024	Turn Around	Due Date:	24 hrs	Parameters	ANALYSIS REQUEST	Preservative Codes
Project Number:	2528	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			BTEX 8021B		None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₅ : NASO ₅ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
Project Location:	Eddy County, New Mexico				TPH 8015M (GRO + DRO + MRO)		
Sampler's Name:	CCM				Chloride 4500		
PO #:							
SAMPLE RECEIPT		Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:					
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:					
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Corrected Temperature:					
Total Containers:							
Sample Identification		Date	Time	Soil	Water	Grab/ Comp	# of Cont
H-1 (0-0.5')		9/26/2024		X		Grab/	1
H-2 (0-0.5')		9/26/2024		X		Grab/	1
H-3 (0-0.5')		9/26/2024		X		Grab/	1
H-4 (0-0.5')		9/26/2024		X		Grab/	1
H-5 (0-0.5')		9/26/2024		X		Grab/	1
H-6 (0-0.5')		9/26/2024		X		Grab/	1

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9-26-24 1402		



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

October 14, 2024

MIKE CARMONA

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: M - SUCTION TO LUSK 6" 09062024

Enclosed are the results of analyses for samples received by the laboratory on 10/11/24 12:08.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: CS - 1 (3') (H246201-01)

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	10/11/2024	ND	2.07	103	2.00	5.44	
Toluene*	<0.050	0.050	10/11/2024	ND	2.13	107	2.00	11.5	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.22	111	2.00	13.4	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.78	113	6.00	14.6	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/14/2024	ND	432	108	400	3.64	

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	10/12/2024	ND	212	106	200	0.905	
DRO >C10-C28*	15.2	10.0	10/12/2024	ND	203	101	200	0.990	
EXT DRO >C28-C36	<10.0	10.0	10/12/2024	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: CS - 2 (3') (H246201-02)

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	10/11/2024	ND	2.07	103	2.00	5.44		
Toluene*	<0.050	0.050	10/11/2024	ND	2.13	107	2.00	11.5		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.22	111	2.00	13.4		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.78	113	6.00	14.6		
Total BTEX	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	10/14/2024	ND	432	108	400	3.64		

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	10/12/2024	ND	212	106	200	0.905		
DRO >C10-C28*	16.6	10.0	10/12/2024	ND	203	101	200	0.990		
EXT DRO >C28-C36	<10.0	10.0	10/12/2024	ND						

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: CS - 3 (2') (H246201-03)

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	10/12/2024	ND	2.07	103	2.00	5.44		
Toluene*	<0.050	0.050	10/12/2024	ND	2.13	107	2.00	11.5		
Ethylbenzene*	<0.050	0.050	10/12/2024	ND	2.22	111	2.00	13.4		
Total Xylenes*	<0.150	0.150	10/12/2024	ND	6.78	113	6.00	14.6		
Total BTEX	<0.300	0.300	10/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	10/14/2024	ND	432	108	400	3.64		

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	10/11/2024	ND	175	87.7	200	1.30		
DRO >C10-C28*	15.1	10.0	10/11/2024	ND	178	88.9	200	1.50		
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND						

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: CS - 4 (2') (H246201-04)

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	10/12/2024	ND	2.07	103	2.00	5.44	
Toluene*	<0.050	0.050	10/12/2024	ND	2.13	107	2.00	11.5	
Ethylbenzene*	<0.050	0.050	10/12/2024	ND	2.22	111	2.00	13.4	
Total Xylenes*	<0.150	0.150	10/12/2024	ND	6.78	113	6.00	14.6	
Total BTEX	<0.300	0.300	10/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/14/2024	ND	432	108	400	3.64	

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	10/11/2024	ND	175	87.7	200	1.30	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	178	88.9	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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Analytical Results For:

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

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: CS - 5 (5') (H246201-05)

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	10/12/2024	ND	2.07	103	2.00	5.44		
Toluene*	<0.050	0.050	10/12/2024	ND	2.13	107	2.00	11.5		
Ethylbenzene*	<0.050	0.050	10/12/2024	ND	2.22	111	2.00	13.4		
Total Xylenes*	<0.150	0.150	10/12/2024	ND	6.78	113	6.00	14.6		
Total BTEX	<0.300	0.300	10/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/14/2024	ND	432	108	400	3.64		

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	10/11/2024	ND	175	87.7	200	1.30		
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	178	88.9	200	1.50		
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND						

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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Analytical Results For:

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

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: CS - 6 (5') (H246201-06)

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	10/12/2024	ND	2.07	103	2.00	5.44		
Toluene*	<0.050	0.050	10/12/2024	ND	2.13	107	2.00	11.5		
Ethylbenzene*	<0.050	0.050	10/12/2024	ND	2.22	111	2.00	13.4		
Total Xylenes*	<0.150	0.150	10/12/2024	ND	6.78	113	6.00	14.6		
Total BTEX	<0.300	0.300	10/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 77.5-125

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	10/14/2024	ND	432	108	400	3.64		

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	10/11/2024	ND	175	87.7	200	1.30		
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	178	88.9	200	1.50		
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND						

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.1 % 49.1-148

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Analytical Results For:

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

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 1 (3') (H246201-07)

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	10/12/2024	ND	2.07	103	2.00	5.44	
Toluene*	<0.050	0.050	10/12/2024	ND	2.13	107	2.00	11.5	
Ethylbenzene*	<0.050	0.050	10/12/2024	ND	2.22	111	2.00	13.4	
Total Xylenes*	<0.150	0.150	10/12/2024	ND	6.78	113	6.00	14.6	
Total BTEX	<0.300	0.300	10/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 77.5-125

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	10/14/2024	ND	432	108	400	3.64	

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	10/11/2024	ND	175	87.7	200	1.30	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	178	88.9	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 2 (3') (H246201-08)

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	10/12/2024	ND	2.07	103	2.00	5.44	
Toluene*	<0.050	0.050	10/12/2024	ND	2.13	107	2.00	11.5	
Ethylbenzene*	<0.050	0.050	10/12/2024	ND	2.22	111	2.00	13.4	
Total Xylenes*	<0.150	0.150	10/12/2024	ND	6.78	113	6.00	14.6	
Total BTEX	<0.300	0.300	10/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/14/2024	ND	432	108	400	3.64	

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	10/11/2024	ND	175	87.7	200	1.30	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	178	88.9	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

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

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 3 (3') (H246201-09)

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	10/12/2024	ND	2.07	103	2.00	5.44	
Toluene*	<0.050	0.050	10/12/2024	ND	2.13	107	2.00	11.5	
Ethylbenzene*	<0.050	0.050	10/12/2024	ND	2.22	111	2.00	13.4	
Total Xylenes*	<0.150	0.150	10/12/2024	ND	6.78	113	6.00	14.6	
Total BTEX	<0.300	0.300	10/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 77.5-125

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	10/14/2024	ND	432	108	400	3.64	

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	10/11/2024	ND	175	87.7	200	1.30	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	178	88.9	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 4 (1') (H246201-10)

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	10/12/2024	ND	2.07	103	2.00	5.44	
Toluene*	<0.050	0.050	10/12/2024	ND	2.13	107	2.00	11.5	
Ethylbenzene*	<0.050	0.050	10/12/2024	ND	2.22	111	2.00	13.4	
Total Xylenes*	<0.150	0.150	10/12/2024	ND	6.78	113	6.00	14.6	
Total BTEX	<0.300	0.300	10/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/14/2024	ND	432	108	400	3.64	

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	10/11/2024	ND	175	87.7	200	1.30	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	178	88.9	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 5 (2') (H246201-11)

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	10/14/2024	ND	2.01	101	2.00	3.75	
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	1.45	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	100	2.00	0.501	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.99	99.8	6.00	0.0412	
Total BTEX	<0.300	0.300	10/14/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/14/2024	ND	432	108	400	3.64	

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	10/11/2024	ND	175	87.7	200	1.30	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	178	88.9	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 6 (2') (H246201-12)

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	10/14/2024	ND	2.01	101	2.00	3.75	
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	1.45	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	100	2.00	0.501	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.99	99.8	6.00	0.0412	
Total BTEX	<0.300	0.300	10/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	320	16.0	10/14/2024	ND	432	108	400	3.64	

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	10/11/2024	ND	175	87.7	200	1.30	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	178	88.9	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 7 (3') (H246201-13)

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	10/14/2024	ND	2.01	101	2.00	3.75	
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	1.45	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	100	2.00	0.501	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.99	99.8	6.00	0.0412	
Total BTEX	<0.300	0.300	10/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	240	16.0	10/14/2024	ND	432	108	400	3.64	

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	10/11/2024	ND	175	87.7	200	1.30	
DRO >C10-C28*	15.8	10.0	10/11/2024	ND	178	88.9	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 8 (5') (H246201-14)

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	10/14/2024	ND	2.01	101	2.00	3.75	
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	1.45	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	100	2.00	0.501	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.99	99.8	6.00	0.0412	
Total BTEX	<0.300	0.300	10/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	10/14/2024	ND	432	108	400	3.64	

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	10/11/2024	ND	175	87.7	200	1.30	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	178	88.9	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 9 (5') (H246201-15)

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	10/14/2024	ND	2.01	101	2.00	3.75	
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	1.45	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	100	2.00	0.501	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.99	99.8	6.00	0.0412	
Total BTEX	<0.300	0.300	10/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	10/14/2024	ND	432	108	400	3.64	

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	10/11/2024	ND	175	87.7	200	1.30	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	178	88.9	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 10 (5') (H246201-16)

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	10/14/2024	ND	2.01	101	2.00	3.75	
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	1.45	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	100	2.00	0.501	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.99	99.8	6.00	0.0412	
Total BTEX	<0.300	0.300	10/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	10/14/2024	ND	432	108	400	3.64	

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	10/11/2024	ND	175	87.7	200	1.30	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	178	88.9	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Notes and Definitions

- S-05 The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
QR-04 The RPD for the BS/BSD was outside of historical limits.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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October 14, 2024

MIKE CARMONA

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: M - SUCTION TO LUSK 6" 09062024

Enclosed are the results of analyses for samples received by the laboratory on 10/11/24 12:08.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	M - SUCTION TO LUSK 6" 09062024	Sampling Condition:	Cool & Intact
Project Number:	2528	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: LEA LAND BACKFILL (H246209-01)

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	10/14/2024	ND	1.92	96.0	2.00	3.60	
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	2.64	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	99.9	2.00	3.04	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.95	99.2	6.00	2.73	
Total BTEX	<0.300	0.300	10/14/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/14/2024	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	10/12/2024	ND	184	92.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	10/12/2024	ND	179	89.4	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/12/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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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, Lab Director/Quality Manager

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 396391

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 396391
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2426029063
Incident Name	NAPP2426029063 M- SUCTION TO LUSK -6"- S-09062024 @ 0
Incident Type	Natural Gas Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2123229442] Frontier Field Services Gathering System

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	M- Suction to Lusk -6"- S-09062024
Date Release Discovered	09/06/2024
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
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	Cause: High Line Pressure Other (Specify) Condensate Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

General Information
Phone: (505) 629-6116

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 396391

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 396391
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Sebastian Orozco Title: Sr. Environmental Specialist Email: sorozco@kinetik.com Date: 09/16/2024
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 396391

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 396391
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	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)	1040
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1714
GRO+DRO (EPA SW-846 Method 8015M)	1714
BTEX (EPA SW-846 Method 8021B or 8260B)	2.4
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	10/09/2024
On what date will (or did) the final sampling or liner inspection occur	10/11/2024
On what date will (or was) the remediation complete(d)	10/15/2024
What is the estimated surface area (in square feet) that will be reclaimed	1260
What is the estimated volume (in cubic yards) that will be reclaimed	140
What is the estimated surface area (in square feet) that will be remediated	1260
What is the estimated volume (in cubic yards) that will be remediated	140

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

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

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QUESTIONS, Page 4

Action 396391

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 396391
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

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

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

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(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: Sebastian Orozco Title: Sr. Environmental Specialist Email: sorozco@kinetik.com Date: 10/28/2024
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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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QUESTIONS, Page 5

Action 396391

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 396391
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 396391

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 396391
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	390907
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/11/2024
What was the (estimated) number of samples that were to be gathered	20
What was the sampling surface area in square feet	1280

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1260
What was the total volume (cubic yards) remediated	140
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	1260
What was the total volume (in cubic yards) reclaimed	140
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: Sebastian Orozco Title: Sr. Environmental Specialist Email: sorozco@kinetik.com Date: 10/28/2024
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QUESTIONS, Page 7

Action 396391

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 396391
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 396391

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 396391
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2426029063 M- SUCTION TO LUSK -6"- S-09062024, thank you. This Remediation Closure Report is approved.	11/27/2024