

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Arrowhead Compressor Station (06.05.2023)
Incident ID: nAPP2315837844
Eddy County, New Mexico
Unit N Sec 10 T18S R29E
32.756368°, -104.06458°

Condensate Release
Point of Release: Line deterioration caused weak spot in pipeline
Release Date: 06.05.2023
Volume Released: 10.7 Barrels of Condensate
Volume Recovered: 0 Barrels of Condensate

CARMONA RESOURCES



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

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

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



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May 13, 2024

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

Re: Closure Report
Arrowhead Compressor Station (06.05.2023)
Incident ID: nAPP2315837844
Durango Midstream
Site Location: Unit N, S10 T18S, R29E
(Lat 32.756368°, Long -104.06458°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Durango Midstream (Durango), Carmona Resources, LLC has prepared this letter to document site activities for the Arrowhead Compressor Station (06.05.2023). The site is located at 32.756368°, -104.06458° within Unit N, S10, T18S, R29E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on June 5, 2023, caused by a weak spot in the pipeline due to line deterioration, releasing condensate. It resulted in approximately ten point seven (10.7) barrels of condensate, and zero (0) barrels of condensate were recovered. The impacted area is located on the pad, adjacent to a large compressor. Refer to Figure 3 for spill overview. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, one known water source is within a 0.50-mile radius of the location. The nearest identified well is approximately 0.06 miles South of the site in S10, T18S, R29E and was drilled in 1994. The well has a reported depth to groundwater of 94.52' feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

On June 12, 2023, Carmona Resources personnel were onsite to perform site assessment activities to evaluate soil impacts. To assess the vertical and horizontal extent, one (1) sample point (S-1) and four (4) horizontal sample points (H-1 through H-4) were advanced to depths ranging from the surface to 7' bgs inside the area of concern. 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.

Refer to Table 1. See Figure 3 for the sample locations.

Deferment Request/Extension Request

The area of S-1 is directly under facility equipment and infrastructure (compressor and flowlines). Due to safety concerns and lithology, Durango requested to defer the area of S-1 until reclamation efforts. The entire area has been horizontally defined. Vertical delineation was not achieved due to safety and access issues for sampling equipment. On January 5, 2024, the deferral request was denied for the following reason:

“The Deferral Request is Denied. Before we can approve a deferral, the spill must be fully delineated. Contamination must not pose an imminent risk to human health, the environment, or groundwater. Sample point “S-1” is over the limit for TPH and will need to be vertically delineated before a deferral can be approved. Collect confirmation sidewall samples representing no more than 200ft². All sidewall samples should be taken from the sidewall of the excavation. Please make sure that the edge of the release extent is accurately defined. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. The work will need to occur in 90 days after the report has been reviewed.”

On March 27, 2024, Durango Midstream requested an extension of 90 days for the remediation work on the Arrowhead Compressor Station. The extension request was granted to March 27, 2024.

All NMOCD correspondence is attached in Appendix C

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. An area measuring (10' x 10' x 10') was excavated via hydro-vac to ensure all contaminants were safely excavated around and below subsurface lines in the area of concern. Before collecting composite confirmation samples, the NMOCD division office was notified via email on May 1, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of two (2) floor confirmation samples were collected (CS-1 and CS-2), and four (4) sidewall samples (SW-1 through SW-4) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4. All final confirmation samples were below the regulatory 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. Approximately 40 cubic yards of material were excavated and transported offsite for proper disposal.



6.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

Clinton Merritt
Sr. Project Manager

Miranda Milwee
Project Manager

FIGURES

CARMONA RESOURCES

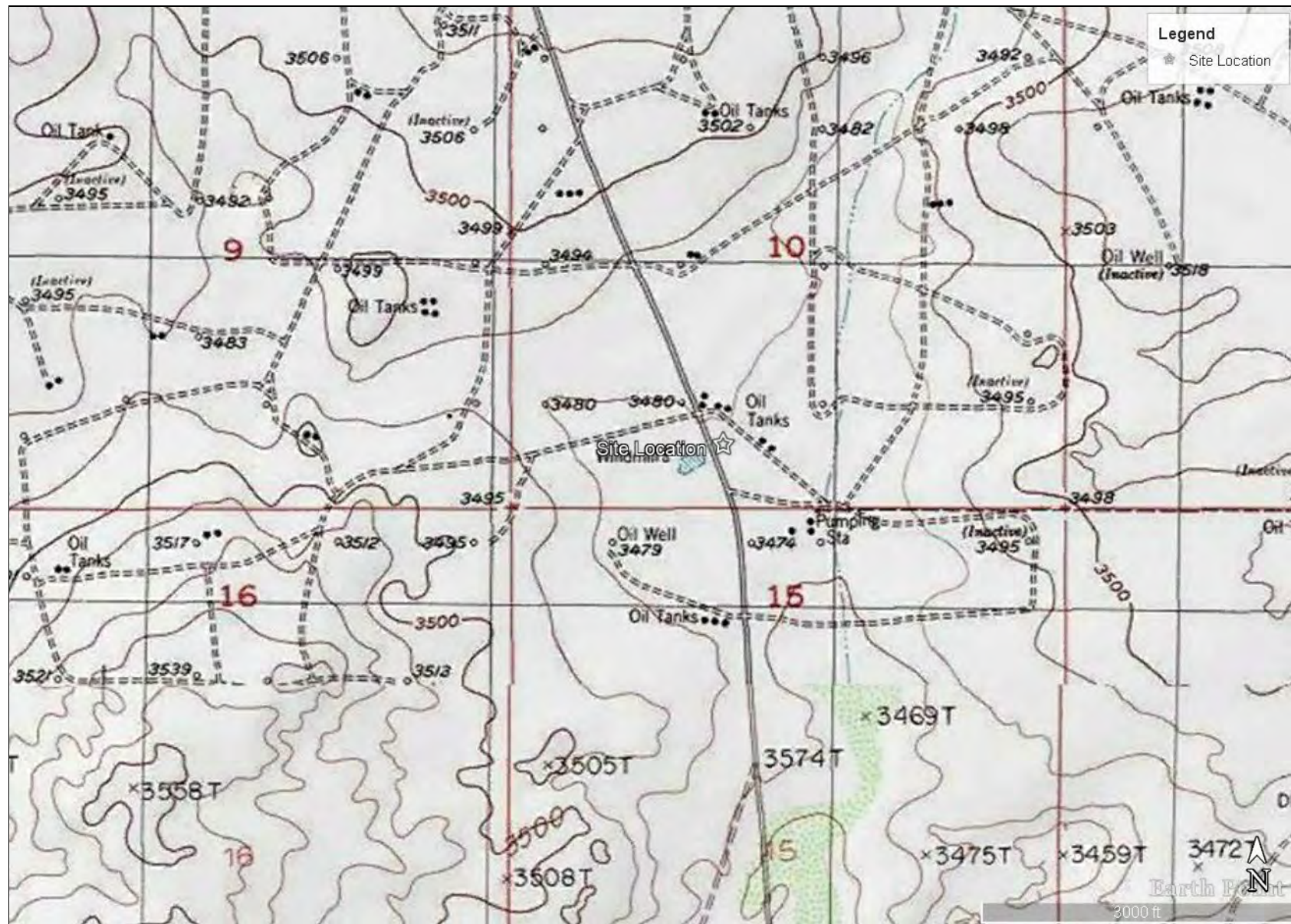




OVERVIEW MAP
DURANGO MIDSTREAM
ARROWHEAD COMPRESSOR STATION (06.05.2023)
EDDY COUNTY, NEW MEXICO
32.756368°, -104.06458°



FIGURE 1

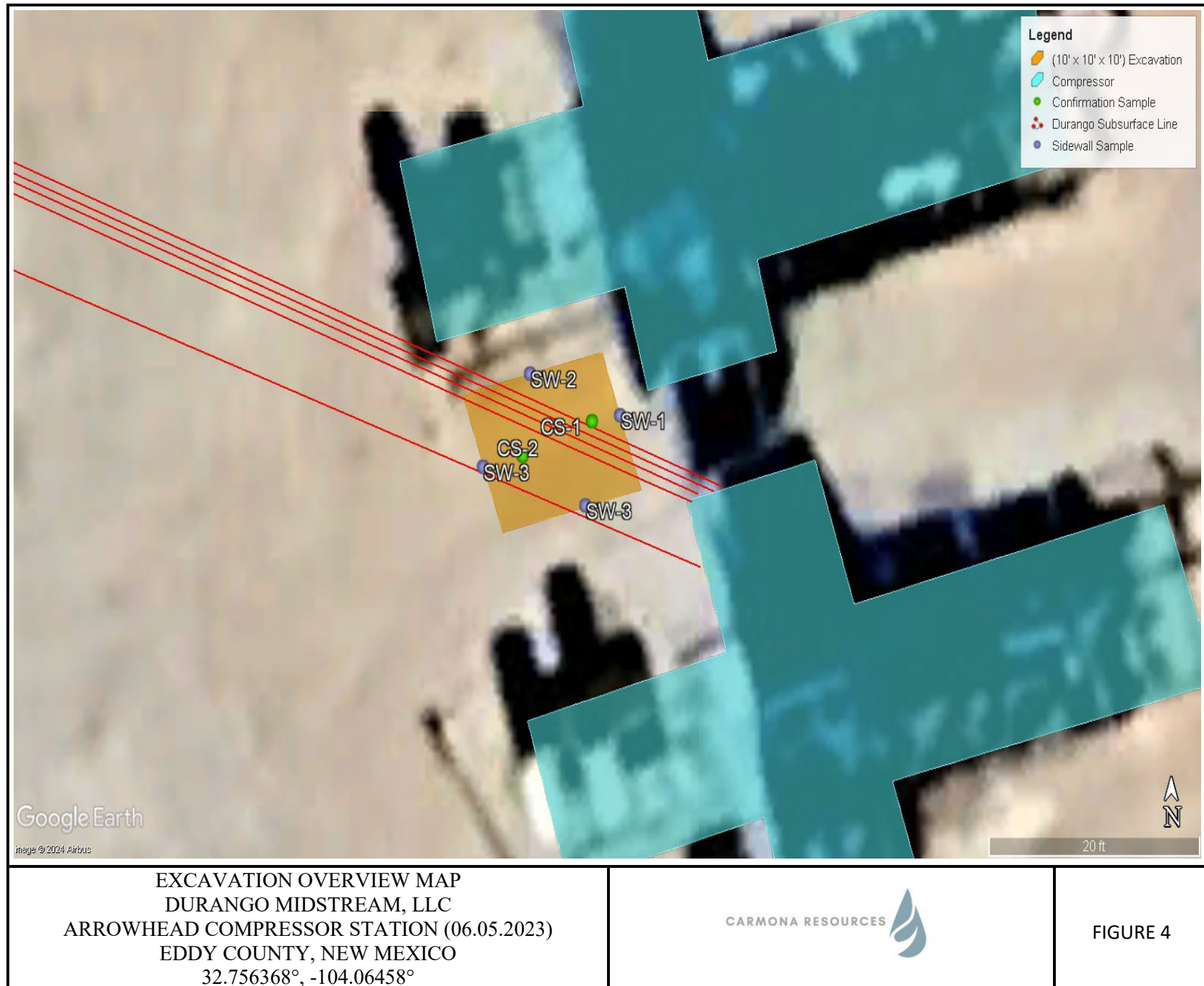


TOPOGRAPHIC MAP
 DURANGO MIDSTREAM
 ARROWHEAD COMPRESSOR STATION (06.05.2023)
 EDDY COUNTY, NEW MEXICO
 32.756368°, -104.06458°



FIGURE 2





APPENDIX A

CARMONA RESOURCES



Table 1
Durango Midstream
Arrowhead Compressor Station (06.05.20323)
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	6/12/2023	7.0'	15,600	490	376	16,466	214	912	190	347	1,660	1,120
H-1	6/12/2023	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-2	6/12/2023	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-3	6/12/2023	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-4	6/12/2023	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Soil Sample

(H) Horizontal Sample


 Removed

Table 2
Durango Midstream
Arrowhead Compressor Station (06.05.2023)
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	5/3/2024	10.0	<10.0	<10.0	<10.0	<10.0	<0.050	0.051	<0.050	<0.150	<0.300	224
CS-2	5/3/2024	10.0	11.0	<10.0	<10.0	11.0	0.667	1.26	0.328	0.516	2.78	64.0
SW-1	5/3/2024	10.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-2	5/3/2024	10.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-3	5/3/2024	10.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-4	5/3/2024	10.0	<10.0	<10.0	<10.0	<10.0	0.051	0.083	0.101	<0.150	<0.300	112
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Samples

(SW) Sidewall Samples

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Durango Midstream

Photograph No. 1

Facility: Arrowhead Compressor Station

County: Eddy County, New Mexico

Description:

View North, area of concern.



Photograph No. 2

Facility: Arrowhead Compressor Station

County: Eddy County, New Mexico

Description:

View East, area of concern.



Photograph No. 3

Facility: Arrowhead Compressor Station

County: Eddy County, New Mexico

Description:

View Southeast, area of sample point (S-1).



PHOTOGRAPHIC LOG

Durango Midstream

Photograph No. 4

Facility: Arrowhead Compressor Station

County: Eddy County, New Mexico

Description:

View Northeast, of sample points CS-1 through CS-2, and SW-1 through SW-4



Photograph No. 5

Facility: Arrowhead Compressor Station

County: Eddy County, New Mexico

Description:

View Southeast, of sample points CS-1 through CS-2, and SW-1 through SW-4



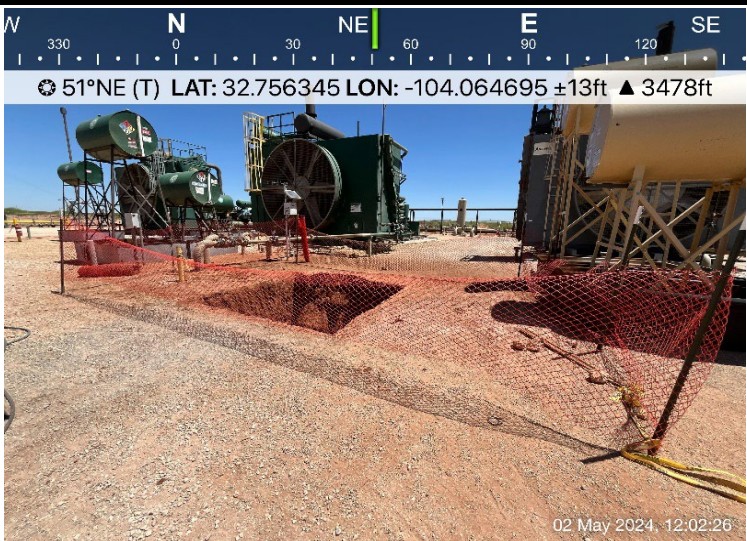
Photograph No. 6

Facility: Arrowhead Compressor Station

County: Eddy County, New Mexico

Description:

View Northeast, of sample points CS-1 through CS-2, and SW-1 through SW-4



APPENDIX C

CARMONA RESOURCES



Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: Sebastian Orozco Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

OCD Permitting

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

[C-141] Release Corrective Action (C-141) Application

Submission Information

Submission ID:

243109

Districts:

Artesia

Operator:

[\[221115\]](#) FRONTIER FIELD SERVICES, LLC

Counties:

Eddy

Description:

FRONTIER FIELD SERVICES, LLC [221115]
, ARROWHEAD COMPRESSOR STATION
, nAPP2315837844

Status:

REJECTED

Status Date:

01/05/2024

References (1):

nAPP2315837844

Forms

Attachments:

[C-141, Remediation Activities](#)

Questions

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

Acknowledgments

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

Comments

No comments found for this submission.

Conditions

No conditions found for this submission.

Reasons

Summary:

rhaniel (1/5/2024), The Deferral Request is Denied. Before we can approve a deferral, the spill must be fully delineated. Contamination must not pose an imminent risk to human health, the environment, or groundwater. Sample point "S-1" is over the limit for TPH and will need to be vertically delineated before a deferral can be approved. Collect confirmation sidewall samples representing no more than 200 ft2. All sidewall samples should be taken from the sidewall of the excavation. Please make sure that the edge of the release extent is accurately defined. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. The work will need to occur in 90 days after the report has been reviewed.

Go Back

OCD Permitting

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

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

Submission Information

Submission ID:	344180	Districts:	Artesia
Operator:	[221115] FRONTIER FIELD SERVICES, LLC	Counties:	Eddy
Description:	FRONTIER FIELD SERVICES, LLC [221115] , ARROWHEAD COMPRESSOR STATION , nAPP2315837844		
Status:	APPROVED		
Status Date:	05/14/2024		
References (1):	nAPP2315837844		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2315837844
Incident Name	NAPP2315837844 ARROWHEAD COMPRESSOR STATION @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	ARROWHEAD COMPRESSOR STATION
Date Release Discovered	06/05/2023
Surface Owner	State

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	100
What is the estimated number of samples that will be gathered	6
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/03/2024
Time sampling will commence	09:30 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Carmona Resources Miranda 432-813-9652
Please provide any information necessary for navigation to sampling site	Arrowhead Compressor Station 32.756342,-104.064622

Acknowledgments

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

Conditions

Summary: sorozco (5/14/2024), 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.

Reasons

No reasons found for this submission.

Go Back

From: Guadalupe Carrasco
Sent: Tuesday, May 14, 2024 7:52 AM
To: Clint Merritt; Miranda Milwee
Cc: Sebastian Orozco
Subject: FW: Extension Request- Arrowhead Compressor Station (nAPP2315837844)

FYI

Lupe Carrasco

Sr. Environmental Specialist

(575)725-0787

gcarrasco@durangomidstream.com



288 W. Kincaid Ranch Rd.

Artesia N.M. 88210

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Wednesday, March 27, 2024 3:52 PM
To: Guadalupe Carrasco <gcarrasco@durangomidstream.com>
Cc: Darin Kennard <dkennard@durangomidstream.com>; Mary Taylor <mtaylor@durangomidstream.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: Extension Request- Arrowhead Compressor Station (nAPP2315837844)

RE: Incident #NAPP2315837844

Lupe,

Your request for a 90-day extension to **June 25th, 2024**, is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Guadalupe Carrasco <gcarrasco@durangomidstream.com>
Sent: Wednesday, March 27, 2024 10:00 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Darin Kennard <dkennard@durangomidstream.com>; Mary Taylor <mtaylor@durangomidstream.com>
Subject: [EXTERNAL] Extension Request- Arrowhead Compressor Station (nAPP2315837844) Application ID: 243109

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

Mr. Bratcher/Mr. Hamlet,

As per our conversation on March 20, 2024, Durango Midstream is requesting an extension of 90 days for the remediation work on the Arrowhead Compressor Station (nAPP2315837844). Durango's Engineering team is evaluating the area to be remediated for the safety of the personnel remediating the project and existing equipment and infrastructure. Please let me know if you have any questions or require any further information.

Thanks!

Lupe Carrasco

Sr. Environmental Specialist

[\(575\)725-0787](tel:(575)725-0787)

gcarrasco@durangomidstream.com



288 W. Kincaid Ranch Rd.
Artesia N.M. 88210

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Wednesday, March 13, 2024 11:36 AM
To: Guadalupe Carrasco <gcarrasco@durangomidstream.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 243109

Lupe,

Set up a Teams Meeting for Wednesday March 20th @ 10 a.m. if that work for everybody's schedule. Invite myself and Mike Bratcher, we can discuss for a few minutes. Regards

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Guadalupe Carrasco <gcarrasco@durangomidstream.com>
Sent: Wednesday, March 13, 2024 10:49 AM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Subject: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 243109

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

Mr. Bratcher,

In speaking with Mr. Hamlet, regarding the denial of this report and the difficulty in obtaining further delineation of the area due to several safety concerns, we thought it would be best to get your opinion on the situation. This compressor station has been in operation for some time and there are several unknown lines in the area. To further delineate the area, we used a hydrovac to find any possible lines before attempting to use a geoprobe for further delineation. In the process of excavating the area, several unknown lines were discovered along with two known high-pressure lines. I have included photos of our attempt plus a copy of the deferral report submitted to the OCD. The photos don't show a clear image of the high-pressure lines but are on in the corners of the excavation. Once excavated, there was no stability for the auger of the geoprobe so we attempted to use a hand probe with an extension but encountered caliche. We were able to obtain a sample at 7-8 feet which shows a decline in hydrocarbons but does not meet OCD closure criteria.

The high-pressure lines sit about 7-8 feet below the surface. With the high H₂S in the area, the depth of the pipes, and proximity of the release to the compressors, the feasibility of allowing

personnel to enter the excavation for further sampling is prohibitive per company policy. I know that full delineation of the area is something the OCD requires for deferral, but I feel like we should explore other options for safety concerns. Please let me know if you have any suggestions as to how we may resolve this incident.

Thanks!

Lupe Carrasco

Sr. Environmental Specialist

[\(575\)725-0787](tel:(575)725-0787)

gcarrasco@durangomidstream.com



288 W. Kincaid Ranch Rd.
Artesia N.M. 88210

From: Guadalupe Carrasco

Sent: Wednesday, March 13, 2024 9:50 AM

To: Robert Hamlet <Robert.Hamlet@emnrd.nm.gov>

Subject: FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 243109

Good morning sir! Would it be possible to set up a time with you to discuss this denial. We have made an effort to further delineate the release area, but with several lines within the release area and two of the lines being high pressure, we were not able to further delineate the area safely. Please let me know.

Thanks!

Lupe Carrasco

Sr. Environmental Specialist

[\(575\)725-0787](tel:(575)725-0787)

gcarrasco@durangomidstream.com



288 W. Kincaid Ranch Rd.
Artesia N.M. 88210

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Friday, January 5, 2024 1:46 PM

To: Guadalupe Carrasco <gcarrasco@durangomidstream.com>

Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 243109

To whom it may concern (c/o Guadalupe Carrasco for FRONTIER FIELD SERVICES, LLC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2315837844, for the following reasons:

- **The Deferral Request is Denied. Before we can approve a deferral, the spill must be fully delineated. Contamination must not pose an imminent risk to human health, the environment, or groundwater. Sample point “S-1” is over the limit for TPH and will need to be vertically delineated before a deferral can be approved. Collect confirmation sidewall samples representing no more than 200 ft2. All sidewall samples should be taken from the sidewall of the excavation. Please make sure that the edge of the release extent is accurately defined. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. The work will need to occur in 90 days after the report has been reviewed.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 243109.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Robert Hamlet
575-748-1283
Robert.Hamlet@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

APPENDIX D

CARMONA RESOURCES



Nearest water well

Durango Midstream

Legend

- 0.08 Miles
- 0.50 Mile Radius
- 2.54 Miles
- Arrowhead Compressor Station (06.05.2023)
- USGS Water Well

94.52' - Drilled 1994

Arrowhead Compressor Station (06.05.2023)

168.63' - Drilled 2015

4000 ft

N

Low Karst

Durango Midstream

Legend

- Arrowhead Compressor Station (06.05.2023)
- Low

● Arrowhead Compressor Station (06.05.2023)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00863	CP	ED		1	4	2	27	18S	29E	588341	3620768*	3962	320		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 1

UTM NAD83 Radius Search (in meters):

Easting (X): 587624

Northing (Y): 3624665

Radius: 4000

*UTM location was derived from PLSS - see Help

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

6/21/23 8:29 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 324520104035201

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

USGS 324520104035201 18S.29E.10.34310

Eddy County, New Mexico
Latitude 32°45'20", Longitude 104°03'52" NAD27
Land-surface elevation 3,478 feet above NAVD88
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
1983-04-12			D	62610	3337.61	NGVD29	1		Z	
1983-04-12			D	62611	3339.13	NAVD88	1		Z	
1983-04-12			D	72019	138.87		1		Z	
1986-06-05			D	62610	3322.75	NGVD29	1		S	
1986-06-05			D	62611	3324.27	NAVD88	1		S	
1986-06-05			D	72019	153.73		1		S	
1990-09-19			D	62610	3335.74	NGVD29	1		S	
1990-09-19			D	62611	3337.26	NAVD88	1		S	
1990-09-19			D	72019	140.74		1		S	
1994-03-29			D	62610	3381.96	NGVD29	1		S	
1994-03-29			D	62611	3383.48	NAVD88	1		S	
1994-03-29			D	72019	94.52		1		S	

Explanation

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

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



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2023-06-21 10:31:48 EDT
0.28 0.24 nadww02



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Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

Click to hideNews Bulletins

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- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 324402104014701

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

USGS 324402104014701 18S.29E.24.14413

Eddy County, New Mexico
Latitude 32°44'01.5", Longitude 104°01'48.9" NAD83
Land-surface elevation 3,441 feet above NAVD88
The depth of the well is 202.00 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1994-03-30			D 62610		3279.53	NGVD29			S	
1994-03-30			D 62611		3281.04	NAVD88			S	
1994-03-30			D 72019	159.96					S	
2015-12-16	17:30 UTC	m	62610		3270.86	NGVD29	1		S	USGS
2015-12-16	17:30 UTC	m	62611		3272.37	NAVD88	1		S	USGS
2015-12-16	17:30 UTC	m	72019	168.63			1		S	USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet

Section	Code	Description
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status		The reported water-level measurement represents a static level
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

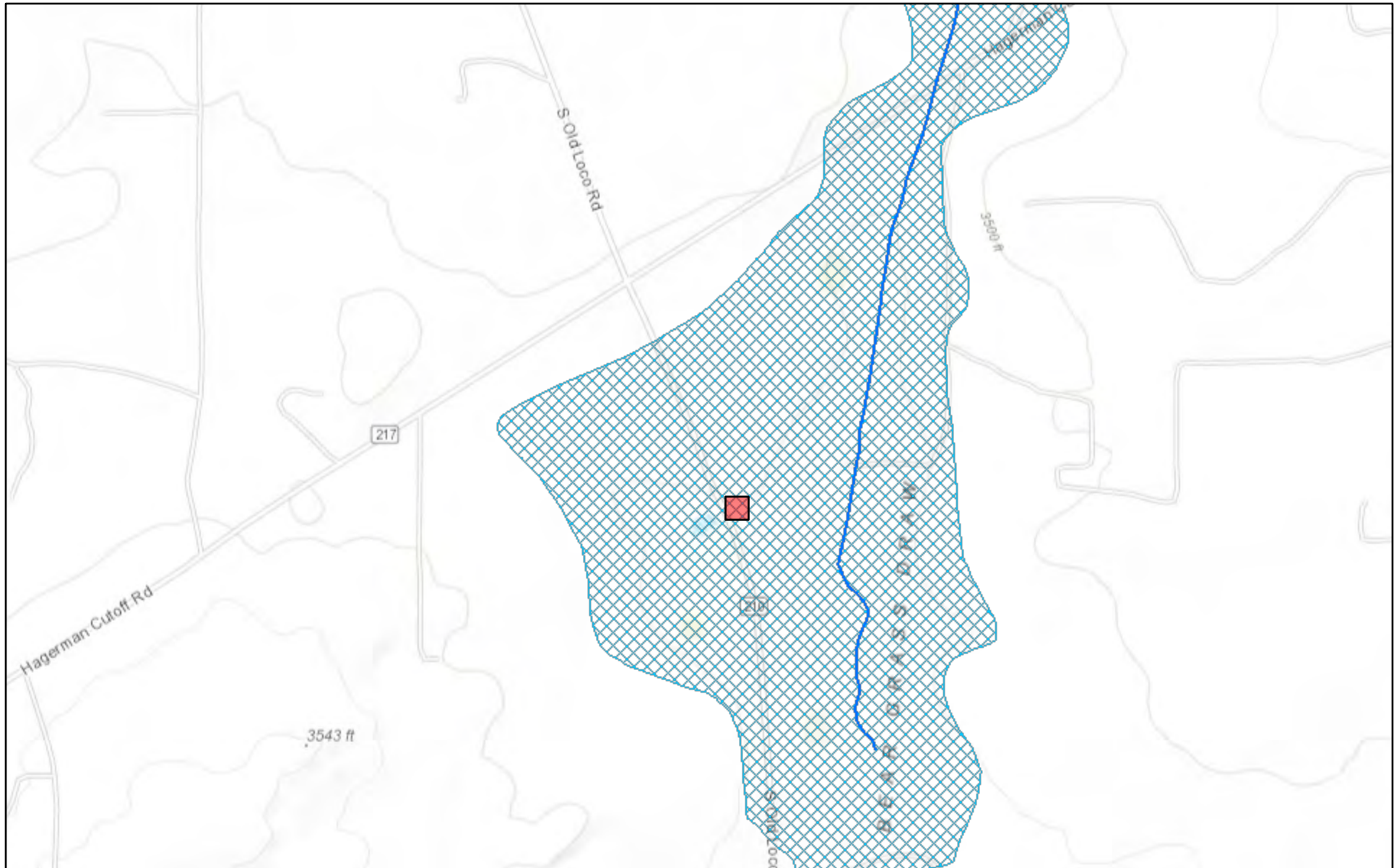
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Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>

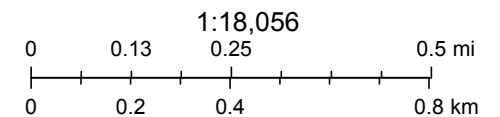


Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2023-06-21 10:33:27 EDT
0.28 0.24 nadww02

New Mexico NFHL Data



June 21, 2023



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

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APPENDIX E

CARMONA RESOURCES





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

June 16, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: ARROWHEAD COMPRESSOR STATION 6.5.23

Enclosed are the results of analyses for samples received by the laboratory on 06/13/23 15:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/13/2023	Sampling Date:	06/12/2023
Reported:	06/16/2023	Sampling Type:	Soil
Project Name:	ARROWHEAD COMPRESSOR STATION 6.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO - EDDY CO NM		

Sample ID: H - 1 (0-0.5') (H233037-01)

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	06/14/2023	ND	2.20	110	2.00	2.60	
Toluene*	<0.050	0.050	06/14/2023	ND	2.24	112	2.00	3.52	
Ethylbenzene*	<0.050	0.050	06/14/2023	ND	2.28	114	2.00	3.89	
Total Xylenes*	<0.150	0.150	06/14/2023	ND	6.68	111	6.00	3.10	
Total BTEX	<0.300	0.300	06/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/14/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2023	ND	183	91.6	200	1.80	
DRO >C10-C28*	<10.0	10.0	06/14/2023	ND	184	91.8	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/14/2023	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/13/2023	Sampling Date:	06/12/2023
Reported:	06/16/2023	Sampling Type:	Soil
Project Name:	ARROWHEAD COMPRESSOR STATION 6.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO - EDDY CO NM		

Sample ID: H - 2 (0-0.5') (H233037-02)

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	06/14/2023	ND	2.20	110	2.00	2.60		
Toluene*	<0.050	0.050	06/14/2023	ND	2.24	112	2.00	3.52		
Ethylbenzene*	<0.050	0.050	06/14/2023	ND	2.28	114	2.00	3.89		
Total Xylenes*	<0.150	0.150	06/14/2023	ND	6.68	111	6.00	3.10		
Total BTEx	<0.300	0.300	06/14/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/14/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2023	ND	183	91.6	200	1.80	
DRO >C10-C28*	<10.0	10.0	06/14/2023	ND	184	91.8	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/14/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/13/2023	Sampling Date:	06/12/2023
Reported:	06/16/2023	Sampling Type:	Soil
Project Name:	ARROWHEAD COMPRESSOR STATION 6.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO - EDDY CO NM		

Sample ID: H - 3 (0-0.5') (H233037-03)

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	06/14/2023	ND	2.20	110	2.00	2.60		
Toluene*	<0.050	0.050	06/14/2023	ND	2.24	112	2.00	3.52		
Ethylbenzene*	<0.050	0.050	06/14/2023	ND	2.28	114	2.00	3.89		
Total Xylenes*	<0.150	0.150	06/14/2023	ND	6.68	111	6.00	3.10		
Total BTEx	<0.300	0.300	06/14/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/14/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2023	ND	183	91.6	200	1.80	
DRO >C10-C28*	<10.0	10.0	06/14/2023	ND	184	91.8	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/14/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/13/2023	Sampling Date:	06/12/2023
Reported:	06/16/2023	Sampling Type:	Soil
Project Name:	ARROWHEAD COMPRESSOR STATION 6.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO - EDDY CO NM		

Sample ID: H - 4 (0-0.5') (H233037-04)

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	06/14/2023	ND	2.20	110	2.00	2.60		
Toluene*	<0.050	0.050	06/14/2023	ND	2.24	112	2.00	3.52		
Ethylbenzene*	<0.050	0.050	06/14/2023	ND	2.28	114	2.00	3.89		
Total Xylenes*	<0.150	0.150	06/14/2023	ND	6.68	111	6.00	3.10		
Total BTEx	<0.300	0.300	06/14/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/14/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2023	ND	183	91.6	200	1.80	
DRO >C10-C28*	<10.0	10.0	06/14/2023	ND	184	91.8	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/14/2023	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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

Cardinal Laboratories

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H23 3037



Page 1 of 1

Project Manager:	Clinton Merritt	Bill to: (if different)	Lupe Carrasco
Company Name:	Carmona Resources	Company Name:	Durango 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:	432-813-6823	Email:	gcarrasco@durangomidstream.com

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

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6-13-23 1540		



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

June 20, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: ARROWHEAD COMPRESSOR STATION 6.5.23

Enclosed are the results of analyses for samples received by the laboratory on 06/13/23 15:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/13/2023	Sampling Date:	06/12/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	ARROWHEAD COMPRESSOR STATION 6.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO - EDDY CO NM		

Sample ID: S - 1 (7') (H233038-01)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	214	10.0	06/19/2023	ND	1.55	77.7	2.00	23.8	QM-07
Toluene*	912	10.0	06/19/2023	ND	1.83	91.6	2.00	5.54	QM-07
Ethylbenzene*	190	10.0	06/19/2023	ND	1.95	97.4	2.00	1.48	QM-07
Total Xylenes*	347	30.0	06/19/2023	ND	5.87	97.8	6.00	3.26	QM-07
Total BTEx	1660	60.0	06/19/2023	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	1120	16.0	06/14/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	15600	50.0	06/15/2023	ND	183	91.6	200	1.80		
DRO >C10-C28*	490	50.0	06/15/2023	ND	184	91.8	200	2.77		
EXT DRO >C28-C36	376	50.0	06/15/2023	ND						

Surrogate: 1-Chlorooctane 195 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody


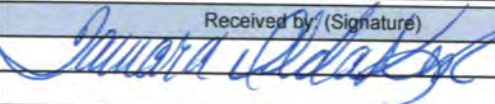
Work Order No: H233038

Page 1 of 1

Project Manager: Clinton Merritt		Bill to: (if different)		Lupe Carrasco	
Company Name: Carmona Resources		Company Name:		Durango 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: 432-813-6823		Email: qcarrasco@durangomidstream.com			

Project Name: Arrowhead Compressor Station 6.5.23										Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes				
Project Number:										<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500																None: NO DI Water: H ₂ O			
Project Location: Eddy County, New Mexico										Due Date: Standard TAT																				Cool: Cool MeOH: Me			
Sampler's Name: CCM																														HCL: HC HNO ₃ : HN			
PO #:																														H ₂ SO ₄ : H ₂ NaOH: Na			
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		113 -0.6°C 4.8°C 4.2°C																H ₃ PO ₄ : HP					
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		N/A		Correction Factor:																						NaHSO ₄ : NABIS					
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		N/A		Temperature Reading:																						Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		N/A		Corrected Temperature:																						Zn Acetate+NaOH: Zn					
Total Containers:																												NaOH+Ascorbic Acid: SAPC					
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont		X X X																Sample Comments			
S-1 (7')		6/12/2023				X				G		1																					

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

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
		6-13-23 1540					



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

May 06, 2024

CLINT MERRITT

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: ARROWHEAD COMPRESSOR STATION 6.5.23

Enclosed are the results of analyses for samples received by the laboratory on 05/03/24 10:57.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/03/2024	Sampling Date:	05/03/2024
Reported:	05/06/2024	Sampling Type:	Soil
Project Name:	ARROWHEAD COMPRESSOR STATION 6.	Sampling Condition:	Cool & Intact
Project Number:	2057	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO - EDDY CO NM		

Sample ID: CS - 1 (10.0') (H242403-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2024	ND	1.96	98.0	2.00	1.16	
Toluene*	0.051	0.050	05/03/2024	ND	1.97	98.3	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/03/2024	ND	1.98	98.9	2.00	1.59	
Total Xylenes*	<0.150	0.150	05/03/2024	ND	5.75	95.8	6.00	1.42	
Total BTX	<0.300	0.300	05/03/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	05/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	213	107	200	1.91	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	227	114	200	0.576	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 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:	05/03/2024	Sampling Date:	05/03/2024
Reported:	05/06/2024	Sampling Type:	Soil
Project Name:	ARROWHEAD COMPRESSOR STATION 6.	Sampling Condition:	Cool & Intact
Project Number:	2057	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO - EDDY CO NM		

Sample ID: CS - 2 (10.0') (H242403-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.667	0.050	05/03/2024	ND	1.96	98.0	2.00	1.16	
Toluene*	1.26	0.050	05/03/2024	ND	1.97	98.3	2.00	1.65	
Ethylbenzene*	0.328	0.050	05/03/2024	ND	1.98	98.9	2.00	1.59	
Total Xylenes*	0.516	0.150	05/03/2024	ND	5.75	95.8	6.00	1.42	
Total BTEX	2.78	0.300	05/03/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/06/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.0	10.0	05/03/2024	ND	213	107	200	1.91	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	227	114	200	0.576	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 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:	05/03/2024	Sampling Date:	05/03/2024
Reported:	05/06/2024	Sampling Type:	Soil
Project Name:	ARROWHEAD COMPRESSOR STATION 6.	Sampling Condition:	Cool & Intact
Project Number:	2057	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO - EDDY CO NM		

Sample ID: SW - 1 (10.0') (H242403-03)

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	05/03/2024	ND	1.96	98.0	2.00	1.16	
Toluene*	<0.050	0.050	05/03/2024	ND	1.97	98.3	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/03/2024	ND	1.98	98.9	2.00	1.59	
Total Xylenes*	<0.150	0.150	05/03/2024	ND	5.75	95.8	6.00	1.42	
Total BTEX	<0.300	0.300	05/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	213	107	200	1.91	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	227	114	200	0.576	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 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:	05/03/2024	Sampling Date:	05/03/2024
Reported:	05/06/2024	Sampling Type:	Soil
Project Name:	ARROWHEAD COMPRESSOR STATION 6.	Sampling Condition:	Cool & Intact
Project Number:	2057	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO - EDDY CO NM		

Sample ID: SW - 2 (10.0') (H242403-04)

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	05/03/2024	ND	1.96	98.0	2.00	1.16	
Toluene*	<0.050	0.050	05/03/2024	ND	1.97	98.3	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/03/2024	ND	1.98	98.9	2.00	1.59	
Total Xylenes*	<0.150	0.150	05/03/2024	ND	5.75	95.8	6.00	1.42	
Total BTEX	<0.300	0.300	05/03/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/06/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	213	107	200	1.91	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	227	114	200	0.576	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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:	05/03/2024	Sampling Date:	05/03/2024
Reported:	05/06/2024	Sampling Type:	Soil
Project Name:	ARROWHEAD COMPRESSOR STATION 6.	Sampling Condition:	Cool & Intact
Project Number:	2057	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO - EDDY CO NM		

Sample ID: SW - 3 (10.0') (H242403-05)

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	05/03/2024	ND	1.96	98.0	2.00	1.16	
Toluene*	<0.050	0.050	05/03/2024	ND	1.97	98.3	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/03/2024	ND	1.98	98.9	2.00	1.59	
Total Xylenes*	<0.150	0.150	05/03/2024	ND	5.75	95.8	6.00	1.42	
Total BTEX	<0.300	0.300	05/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/06/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	213	107	200	1.91	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	227	114	200	0.576	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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:	05/03/2024	Sampling Date:	05/03/2024
Reported:	05/06/2024	Sampling Type:	Soil
Project Name:	ARROWHEAD COMPRESSOR STATION 6.	Sampling Condition:	Cool & Intact
Project Number:	2057	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO - EDDY CO NM		

Sample ID: SW - 4 (10.0') (H242403-06)

BTEX 8021B		mg/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.051	0.050	05/03/2024	ND	1.96	98.0	2.00	1.16	
Toluene*	0.083	0.050	05/03/2024	ND	1.97	98.3	2.00	1.65	
Ethylbenzene*	0.101	0.050	05/03/2024	ND	1.98	98.9	2.00	1.59	
Total Xylenes*	<0.150	0.150	05/03/2024	ND	5.75	95.8	6.00	1.42	
Total BTEX	<0.300	0.300	05/03/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/06/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	213	107	200	1.91	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	227	114	200	0.576	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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



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

Celey D. Keene, Lab Director/Quality Manager

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5-3-24 1051		

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Energy, Minerals and Natural Resources
Oil Conservation Division
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QUESTIONS

Action 345050

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 345050
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2315837844
Incident Name	NAPP2315837844 ARROWHEAD COMPRESSOR STATION @ 0
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	ARROWHEAD COMPRESSOR STATION
Date Release Discovered	06/05/2023
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Cause: Other Pipeline (Any) Condensate Released: 11 BBL Recovered: 0 BBL Lost: 11 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.

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QUESTIONS, Page 2

Action 345050

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID:
	221115
	Action Number:
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Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Sebastian Orozco Title: Sr. Environmental Specialist Email: sorozco@durangomidstream.com Date: 05/16/2024
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QUESTIONS, Page 3

Action 345050

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID:	221115
	Action Number:	345050
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
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	Between 200 and 300 (ft.)
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	Zero feet, overlying, or within area
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

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

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

Chloride	(EPA 300.0 or SM4500 Cl B)	1120
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	16466
GRO+DRO	(EPA SW-846 Method 8015M)	16090
BTEX	(EPA SW-846 Method 8021B or 8260B)	1660
Benzene	(EPA SW-846 Method 8021B or 8260B)	214

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	04/22/2024
On what date will (or did) the final sampling or liner inspection occur	05/03/2024
On what date will (or was) the remediation complete(d)	05/08/2024
What is the estimated surface area (in square feet) that will be reclaimed	100
What is the estimated volume (in cubic yards) that will be reclaimed	40
What is the estimated surface area (in square feet) that will be remediated	100
What is the estimated volume (in cubic yards) that will be remediated	40

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 345050

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID:	221115
	Action Number:	345050
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	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	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Sebastian Orozco Title: Sr. Environmental Specialist Email: sorozco@durangomidstream.com Date: 05/16/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 345050

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 345050
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 345050

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID:
	221115
	Action Number:
	345050
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	344180
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/03/2024
What was the (estimated) number of samples that were to be gathered	6
What was the sampling surface area in square feet	100

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	100
What was the total volume (cubic yards) remediated	40
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	100
What was the total volume (in cubic yards) reclaimed	40
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@durangomidstream.com Date: 05/16/2024
--	--

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QUESTIONS, Page 7

Action 345050

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 345050
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 345050

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 345050
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	6/10/2024