CARMONA RESOURCES

SITE INFORMATION

Amended Closure Report
ABO Plant W. Inlet & Abo Plant W. Inlet 2
Incident #(s): nAPP2207742550 & nAPP2218749539
Eddy County, New Mexico
Unit D Sec 10 T18S R27E
32.768683°, -104.272269°

Condensate Release
Point of Release: 12” Power seal Clamp
Release Date: 02/24/2022 & 07/01/2022
Volume Released: 9 barrels of Condensate (02/24/2022)
Volume Recovered: 0 barrels of Condensate (02/24/2022)
Volume Released: 24 barrels of Condensate (07/01/2022)
Volume Recovered: 0 barrels of Condensate (07/01/2022)

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

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

CARMONA RESOURCES

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

CARMONA RESOURCES

August 20, 2024

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

Re: Amendment to Closure Report
ABO Plant W. Inlet & Abo Plant W. Inlet 2
Kinetic Midstream
nAPP2207742550 & nAPP2218749539
Site Location: Unit D, S10, T18S, R27E
(Lat 32.768683°, Long -104.272269°)
Eddy County, New Mexico

Mr Bratcher:

On behalf of Kinetik Midstream (Kinetik), Carmona Resource, LLC has prepared this letter to document additional site activities for the ABO Plant W. Inlet & Abo Plant W. Inlet 2. The site is located at the GPS 32.768683°, -104.272269° within Unit D, S20, T18S, R35E in Eddy County, New Mexico.

1.0 Site Information and Background

nAPP2207742550 & nAPP2218749539

On March 31, 2023, and April 27, 2023, the New Mexico OCD denied the closure report for the following reasons:

"The Closure Report is Denied. A deferral can only be granted on an active well pad and not on a road, right-of-way, or in the pasture. Please remove the contaminated soil at sample point WS22-01 with alternative measures. A clarification document has been placed on the OCD website to clarify the matter."

"The deferral request is denied. This would fall under the reclamation part of the OCD Spill Rule and will need to be remediated immediately. A deferral can only be granted if it's on an active well pad and the remediation would cause a major facility deconstruction. The contaminated soil should be removed safely with alternative methods (shovel, hydrovac, hammerhoe, etc.). This release is in a high karst area and will need to be remediated to the strictest closure criteria from Table 1 of the OCD Spill Rule. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. 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 remediation/deferral request has been reviewed."

Both historical reports are attached in Appenxix F.

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

CARMONA RESOURCES

2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is no known water sources that are within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.50 miles from the site and was drilled in 1999. The well has a reported depth to groundwater of 31.73' below ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix E.

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 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on August 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 six (6) sidewall samples (SW-1 through SW-6) 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 D. The excavation depths and confirmation sample locations are shown in Figure 3. All final confirmation samples were below the regulatory requirements for TPH, BTEX, and chloride.

See Table 1 for the analytical results.

5.0 Conclusions

Based on the analytical data, no further actions are required at the site. The final C-141 is attached in Appendix A of the original request for closure. Kinetic formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

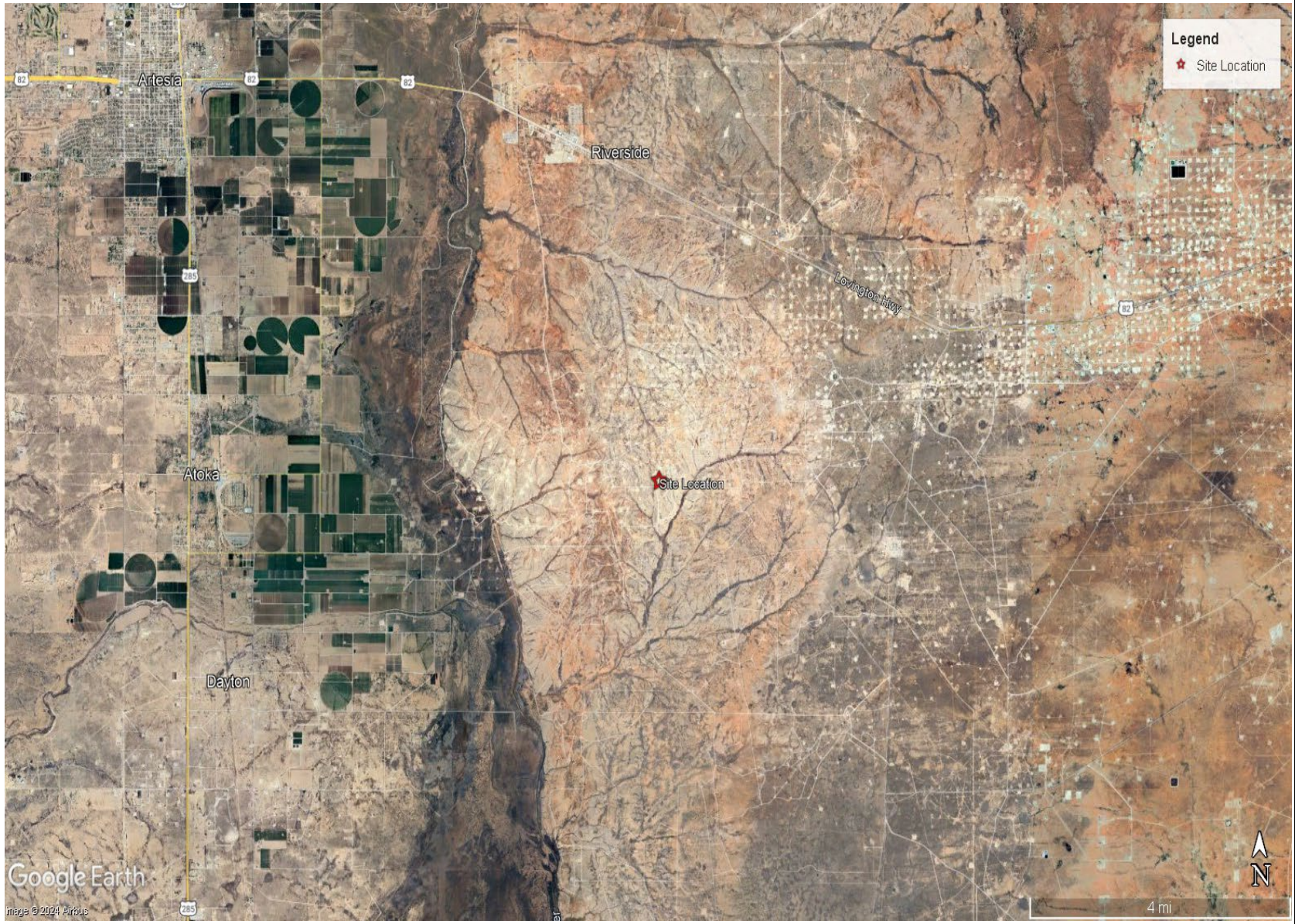
Mike Carmona
Environmental Manager

Clinton Merritt
Sr. Project Manager

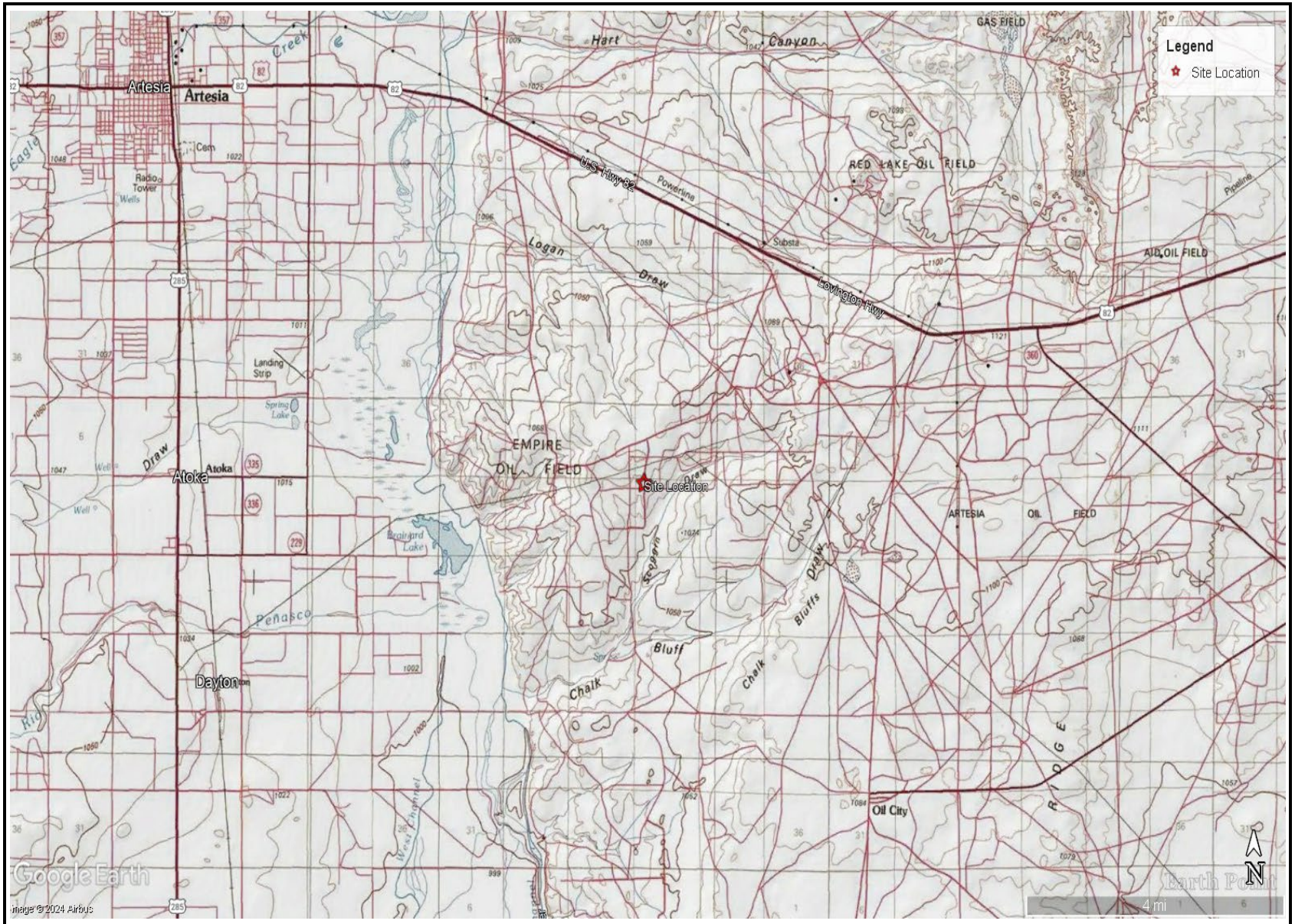
310 West Wall Street, Suite 500
Midland, Texas 79701
432.813.1992

FIGURES

CARMONA RESOURCES



OVERVIEW MAP KINETIK MIDSTREAM ABO PLANT W. INLET & ABO PLANT W. INLET 2 EDDY COUNTY, NEW MEXICO 32.768683°, -104.272269°	CARMONA RESOURCES	FIGURE 1



TOPOGRAPHIC MAP KINETIK MIDSTREAM ABO PLANT W. INLET & ABO PLANT W. INLET 2 EDDY COUNTY, NEW MEXICO 32.768683°, -104.272269°	CARMONA RESOURCES	FIGURE 2

SAMPLE LOCATION MAP KINETIK MIDSTREAM ABO PLANT W. INLET & ABO PLANT W. INLET 2 EDDY COUNTY, NEW MEXICO 32.768683°, -104.272269°	CARMONA RESOURCES	FIGURE 3

APPENDIX A

CARMONA RESOURCES

Table 1
Kinetic Midstream
ABO Plant W. Inlet & Abo Plant W. Inlet 2
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	8/6/2024	16.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-2	8/6/2024	16.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-1	8/6/2024	16.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-2	8/6/2024	16.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-3	8/6/2024	16.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-4	8/6/2024	16.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-5	8/6/2024	16.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-6	8/6/2024	16.0'	<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
(CS) Confirmation Sample
(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

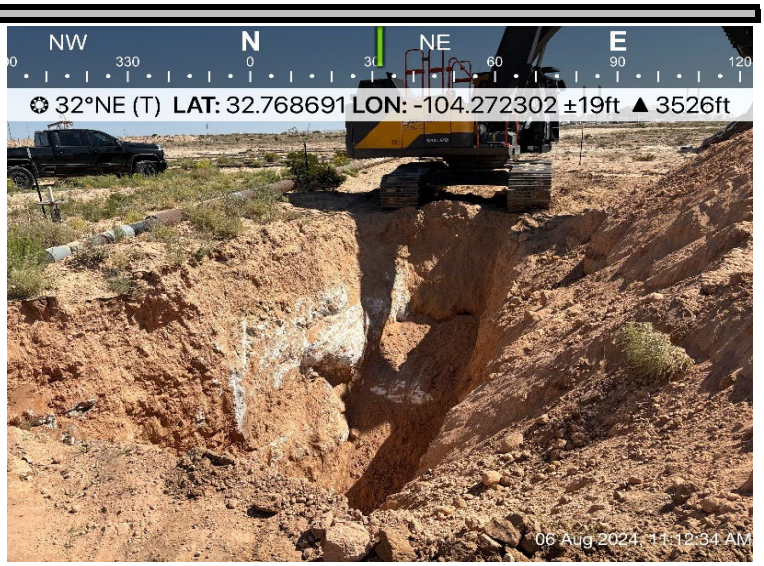
Kinetic Midstream

Photograph No. 1

Facility: ABO Plant W. Inlet & Abo Plant W. Inlet 2

County: Eddy County, New Mexico

Description:
View Northeast, area of CS-1.

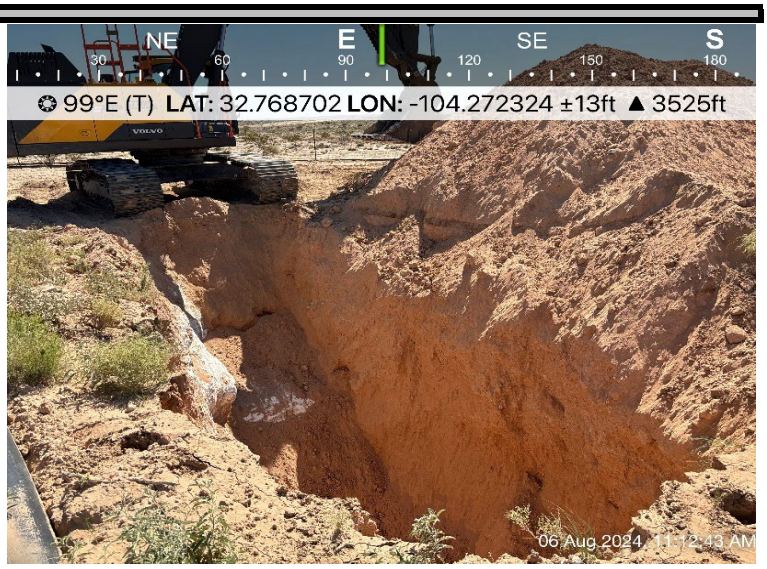


Photograph No. 2

Facility: ABO Plant W. Inlet & Abo Plant W. Inlet 2

County: Eddy County, New Mexico

Description:
View East, area of CS-1.

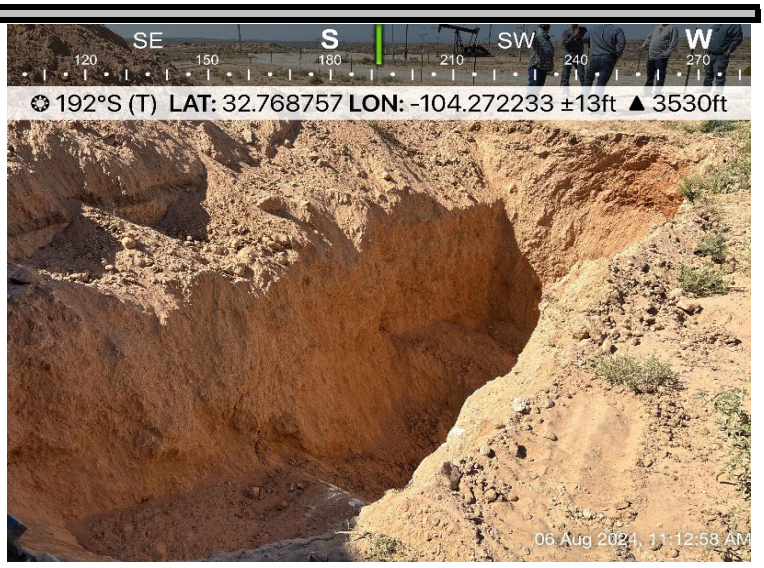


Photograph No. 3

Facility: ABO Plant W. Inlet & Abo Plant W. Inlet 2

County: Eddy County, New Mexico

Description:
View South, area of CS-1 & CS-2.



APPENDIX C

CARMONA RESOURCES

OCD Permitting

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

Submission Information

Submission ID:	369203	**Districts:**	Artesia
Operator:	[221115] FRONTIER FIELD SERVICES, LLC	**Counties:**	Eddy
Description:	FRONTIER FIELD SERVICES, LLC [221115] , ABO W. INLET (2) , nAPP2218749539		
Status:	APPROVED		
Status Date:	08/01/2024		
References (1):	nAPP2218749539		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	**nAPP2218749539**
Incident Name	**NAPP2218749539 ABO W. INLET (2) @ 0**
Incident Type	**Natural Gas Release**
Incident Status	**Remediation Plan Received**

Location of Release Source

Site Name	**ABO W. INLET (2)**
Date Release Discovered	**07/01/2022**
Surface Owner	**Federal**

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	250
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/06/2024
Time sampling will commence	04:00 PM
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	Clinton Merritt 432-813-9044
Please provide any information necessary for navigation to sampling site	GPS Coordinates – 32.768683, -104.272269 Driving Directions – From the intersection of Lovington Hwy turn south onto Hilltop Rd and travel 0.24 miles. Turn southwest onto Empire Rd and travel 2.04 miles. Turn west onto Little Diamond Rd and travel 1.02 miles. Turn south onto unmarked lease road and travel 0.54 miles. Job site is the on the east side of the unmarked lease road.

Acknowledgments

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

Conditions

Summary: *sorozco (8/1/2024),* 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.

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OCD Permitting

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

Submission Information

Submission ID:	369201	**Districts:**	Artesia
Operator:	[221115] FRONTIER FIELD SERVICES, LLC	**Counties:**	Eddy
Description:	FRONTIER FIELD SERVICES, LLC [221115] , FRONTIER ABO PLANT W. INLET 12" POLY LINE , nAPP2207742550		
Status:	APPROVED		
Status Date:	08/01/2024		
References (1):	nAPP2207742550		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	**nAPP2207742550**
Incident Name	**NAPP2207742550 FRONTIER ABO PLANT W. INLET 12" POLY LINE @ 0**
Incident Type	**Natural Gas Release**
Incident Status	**Remediation Closure Report Received**

Location of Release Source

Site Name	**FRONTIER ABO PLANT W. INLET 12" POLY LINE**
Date Release Discovered	**02/24/2022**
Surface Owner	**Federal**

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	250
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/06/2024
Time sampling will commence	04:00 PM
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	Clinton Merritt 432-813-9044
Please provide any information necessary for navigation to sampling site	GPS Coordinates – 32.768683, -104.272269 Driving Directions – From the intersection of Lovington Hwy turn south onto Hilltop Rd and travel 0.24 miles. Turn southwest onto Empire Rd and travel 2.04 miles. Turn west onto Little Diamond Rd and travel 1.02 miles. Turn south onto unmarked lease road and travel 0.54 miles. Job site is the on the east side of the unmarked lease road.

Acknowledgments

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

Conditions

Summary: *sorozco (8/1/2024),* 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

APPENDIX D

CARMONA RESOURCES

CARDINAL Laboratories

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

August 07, 2024

CLINT MERRITT

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: ABO PLANT W. INLET & ABO PLANT W. INLET 2

Enclosed are the results of analyses for samples received by the laboratory on 08/06/24 15:19.

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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	08/06/2024	Sampling Date:	08/06/2024
Reported:	08/07/2024	Sampling Type:	Soil
Project Name:	ABO PLANT W. INLET & ABO PLANT W. I	Sampling Condition:	Cool & Intact
Project Number:	2473	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: CS - 1 (16') (H244718-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2024	ND	1.93	96.3	2.00	0.738	
Toluene*	<0.050	0.050	08/06/2024	ND	1.90	95.0	2.00	1.50	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	1.95	97.3	2.00	1.60	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	5.73	95.5	6.00	1.69	
Total BTEX	<0.300	0.300	08/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/07/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/06/2024	ND	211	105	200	0.381	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	207	103	200	0.378	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane *87.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *110 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	08/06/2024	Sampling Date:	08/06/2024
Reported:	08/07/2024	Sampling Type:	Soil
Project Name:	ABO PLANT W. INLET & ABO PLANT W. I	Sampling Condition:	Cool & Intact
Project Number:	2473	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: CS - 2 (16') (H244718-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2024	ND	1.93	96.3	2.00	0.738	
Toluene*	<0.050	0.050	08/06/2024	ND	1.90	95.0	2.00	1.50	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	1.95	97.3	2.00	1.60	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	5.73	95.5	6.00	1.69	
Total BTEX	<0.300	0.300	08/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID 98.9 % 71.5-134

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/07/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/06/2024	ND	211	105	200	0.381	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	207	103	200	0.378	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	08/06/2024	Sampling Date:	08/06/2024
Reported:	08/07/2024	Sampling Type:	Soil
Project Name:	ABO PLANT W. INLET & ABO PLANT W. I	Sampling Condition:	Cool & Intact
Project Number:	2473	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 1 (16') (H244718-03)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2024	ND	1.93	96.3	2.00	0.738	
Toluene*	<0.050	0.050	08/06/2024	ND	1.90	95.0	2.00	1.50	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	1.95	97.3	2.00	1.60	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	5.73	95.5	6.00	1.69	
Total BTEX	<0.300	0.300	08/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/07/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/06/2024	ND	211	105	200	0.381	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	207	103	200	0.378	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane *86.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	08/06/2024	Sampling Date:	08/06/2024
Reported:	08/07/2024	Sampling Type:	Soil
Project Name:	ABO PLANT W. INLET & ABO PLANT W. I	Sampling Condition:	Cool & Intact
Project Number:	2473	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 2 (16') (H244718-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2024	ND	1.93	96.3	2.00	0.738	
Toluene*	<0.050	0.050	08/06/2024	ND	1.90	95.0	2.00	1.50	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	1.95	97.3	2.00	1.60	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	5.73	95.5	6.00	1.69	
Total BTEX	<0.300	0.300	08/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/07/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/06/2024	ND	211	105	200	0.381	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	207	103	200	0.378	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane *88.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *112 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	08/06/2024	Sampling Date:	08/06/2024
Reported:	08/07/2024	Sampling Type:	Soil
Project Name:	ABO PLANT W. INLET & ABO PLANT W. I	Sampling Condition:	Cool & Intact
Project Number:	2473	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 3 (16') (H244718-05)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2024	ND	1.93	96.3	2.00	0.738	
Toluene*	<0.050	0.050	08/06/2024	ND	1.90	95.0	2.00	1.50	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	1.95	97.3	2.00	1.60	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	5.73	95.5	6.00	1.69	
Total BTEX	<0.300	0.300	08/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/07/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/06/2024	ND	211	105	200	0.381	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	207	103	200	0.378	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane *81.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	08/06/2024	Sampling Date:	08/06/2024
Reported:	08/07/2024	Sampling Type:	Soil
Project Name:	ABO PLANT W. INLET & ABO PLANT W. I	Sampling Condition:	Cool & Intact
Project Number:	2473	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 4 (16') (H244718-06)

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	08/06/2024	ND	1.93	96.3	2.00	0.738	
Toluene*	<0.050	0.050	08/06/2024	ND	1.90	95.0	2.00	1.50	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	1.95	97.3	2.00	1.60	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	5.73	95.5	6.00	1.69	
Total BTEX	<0.300	0.300	08/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/07/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/06/2024	ND	211	105	200	0.381	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	207	103	200	0.378	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane *85.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	08/06/2024	Sampling Date:	08/06/2024
Reported:	08/07/2024	Sampling Type:	Soil
Project Name:	ABO PLANT W. INLET & ABO PLANT W. I	Sampling Condition:	Cool & Intact
Project Number:	2473	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 5 (16') (H244718-07)

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	08/06/2024	ND	1.93	96.3	2.00	0.738	
Toluene*	<0.050	0.050	08/06/2024	ND	1.90	95.0	2.00	1.50	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	1.95	97.3	2.00	1.60	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	5.73	95.5	6.00	1.69	
Total BTEX	<0.300	0.300	08/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/07/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2024	ND	211	105	200	0.381	
DRO >C10-C28*	<10.0	10.0	08/07/2024	ND	207	103	200	0.378	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane *73.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	08/06/2024	Sampling Date:	08/06/2024
Reported:	08/07/2024	Sampling Type:	Soil
Project Name:	ABO PLANT W. INLET & ABO PLANT W. I	Sampling Condition:	Cool & Intact
Project Number:	2473	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY, NEW MEXICO		

Sample ID: SW - 6 (16') (H244718-08)

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	08/06/2024	ND	1.93	96.3	2.00	0.738	
Toluene*	<0.050	0.050	08/06/2024	ND	1.90	95.0	2.00	1.50	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	1.95	97.3	2.00	1.60	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	5.73	95.5	6.00	1.69	
Total BTEX	<0.300	0.300	08/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID 98.8 % 71.5-134

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/07/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2024	ND	211	105	200	0.381	
DRO >C10-C28*	<10.0	10.0	08/07/2024	ND	207	103	200	0.378	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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 *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H244718

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	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 ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	ABO Plant W. Inlet & Abo Plant W. Inlet 2	Turn Around	☐ Routine ☑ Rush
Project Number:	2473	Due Date:	24 HRS
Project Location	Eddy County, New Mexico		
Sampler's Name:	CCM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.6°C
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	2.3°C
Total Containers:		Corrected Temperature:	1.7°C

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
CS-1 (16')	8/6/2024		X		C	1		X	X	X	1
CS-2 (16')	8/6/2024		X		C	1		X	X	X	2
SW-1 (16')	8/6/2024		X		C	1		X	X	X	3
SW-2 (16')	8/6/2024		X		C	1		X	X	X	4
SW-3 (16')	8/6/2024		X		C	1		X	X	X	5
SW-4 (16')	8/6/2024		X		C	1		X	X	X	6
SW-5 (16')	8/6/2024		X		C	1		X	X	X	7
SW-6 (16')	8/6/2024		X		C	1		X	X	X	8

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
		ADavies	8/24/1519

APPENDIX E

CARMONA RESOURCES

Nearest Water Well

Kinetic Holdings

Legend

- 0.50 Mile Radius
- 0.50 Miles
- 0.55 Miles
- FRONTIER ABO PLANT W. INLET 12" POLY LINE
- NMSEO Water Well
- USGS Water Well

FRONTIER ABO PLANT W. INLET 12" POLY LINE

31.73' - Drilled 1999

50' - Drilled 1958

Google Earth

Image © 2024 Airbus

N

2000 ft

High Karst

Kinetic Holdings

Legend

- FRONTIER ABO PLANT W. INLET 12" POLY LINE
- High

FRONTIER ABO PLANT W. INLET 12" POLY LINE

Google Earth

Image © 2024 Airbus

N

2000 ft

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
RA 03917		RA	LE	SE	NW	NE	10	18S	27E	569019.0	3625660.0 *		886	130	50	80
RA 03714		RA	CH	SE	SE	NE	08	18S	27E	566212.0	3625253.0 *		2045	381		
RA 13283 POD1		RA	ED	NE	SW	NW	33	17S	27E	566598.6	3628656.5		3186	101		
RA 03661		RA	ED	SW	NE	SW	32	17S	27E	565186.0	3628038.0 *		3675	330	140	190
RA 03664		RA	CH	SW	NE	SW	32	17S	27E	565186.0	3628038.0 *		3675	400	100	300
RA 04048		RA	LE	NW	SE	SE	14	18S	27E	570841.0	3623030.0 *		3911	2096		

Average Depth to Water: **96 feet**

Minimum Depth: **50 feet**

Maximum Depth: **140 feet**

Record Count: 6

UTM Filters (in meters):

Easting: 568159.20

Northing: 3625877.88

Radius: 4000

*** UTM location was derived from PLSS - see Help**

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	? S

Groundwater | New Mexico | GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 324603104155001

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 324603104155001 18S.27E.10.213223

Eddy County, New Mexico
Latitude 32°46'03", Longitude 104°15'50" NAD27
Land-surface elevation 3,479 feet above NAVD88
The depth of the well is 130 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Artesia Group (313ARTS) 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
1961-12-28		D	62610		3430.16	NGVD29	1	Z		
1961-12-28		D	62611		3431.72	NAVD88	1	Z		
1961-12-28		D	72019	47.28			1	Z		
1962-01-04		D	62610		3430.13	NGVD29	1	Z		
1962-01-04		D	62611		3431.69	NAVD88	1	Z		
1962-01-04		D	72019	47.31			1	Z		
1963-01-07		D	62610		3428.69	NGVD29	1	Z		
1963-01-07		D	62611		3430.25	NAVD88	1	Z		
1963-01-07		D	72019	48.75			1	Z		
1963-07-23		D	62610		3429.23	NGVD29	1	Z		
1963-07-23		D	62611		3430.79	NAVD88	1	Z		
1963-07-23		D	72019	48.21			1	Z		
1963-08-30		D	62610		3429.16	NGVD29	1	Z		
1963-08-30		D	62611		3430.72	NAVD88	1	Z		
1963-08-30		D	72019	48.28			1	Z		

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	? S
1963-09-04	D	62610		3431.85	NGVD29	1	Z	
1963-09-04	D	62611		3433.41	NAVD88	1	Z	
1963-09-04	D	72019	45.59			1	Z	
1963-10-01	D	62610		3431.71	NGVD29	1	Z	
1963-10-01	D	62611		3433.27	NAVD88	1	Z	
1963-10-01	D	72019	45.73			1	Z	
1963-11-22	D	62610		3431.28	NGVD29	1	Z	
1963-11-22	D	62611		3432.84	NAVD88	1	Z	
1963-11-22	D	72019	46.16			1	Z	
1964-01-09	D	62610		3430.52	NGVD29	1	Z	
1964-01-09	D	62611		3432.08	NAVD88	1	Z	
1964-01-09	D	72019	46.92			1	Z	
1966-01-24	D	62610		3436.15	NGVD29	1	Z	
1966-01-24	D	62611		3437.71	NAVD88	1	Z	
1966-01-24	D	72019	41.29			1	Z	
1984-02-09	D	62610		3455.28	NGVD29	1	Z	
1984-02-09	D	62611		3456.84	NAVD88	1	Z	
1984-02-09	D	72019	22.16			1	Z	
1984-03-01	D	62610		3456.08	NGVD29	1	Z	
1984-03-01	D	62611		3457.64	NAVD88	1	Z	
1984-03-01	D	72019	21.36			1	Z	
1989-02-02	D	62610		3458.03	NGVD29	1	Z	
1989-02-02	D	62611		3459.59	NAVD88	1	Z	
1989-02-02	D	72019	19.41			1	Z	
1994-02-24	D	62610		3444.77	NGVD29	1	S	
1994-02-24	D	62611		3446.33	NAVD88	1	S	
1994-02-24	D	72019	32.67			1	S	
1999-01-19	D	62610		3445.71	NGVD29	1	S	USGS
1999-01-19	D	62611		3447.27	NAVD88	1	S	USGS
1999-01-19	D	72019	31.73			1	S	USGS

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
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.

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	? S

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	RA 03917	SE	NW	NE	10	18S	27E	569019.0	3625660.0 *	

*** UTM location was derived from PLSS - see Help**

Driller License:	111	**Driller Company:**	BURKE, EDWARD B.		
Driller Name:					
Drill Start Date:	1958-07-31	**Drill Finish Date:**	1958-07-31	**Plug Date:**	
Log File Date:	1958-08-06	**PCW Rcv Date:**		**Source:**	Artesian
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	130	**Depth Water:**	50

FEMA National Flood Hazard Layer (NFHL)

FEMA flood layer

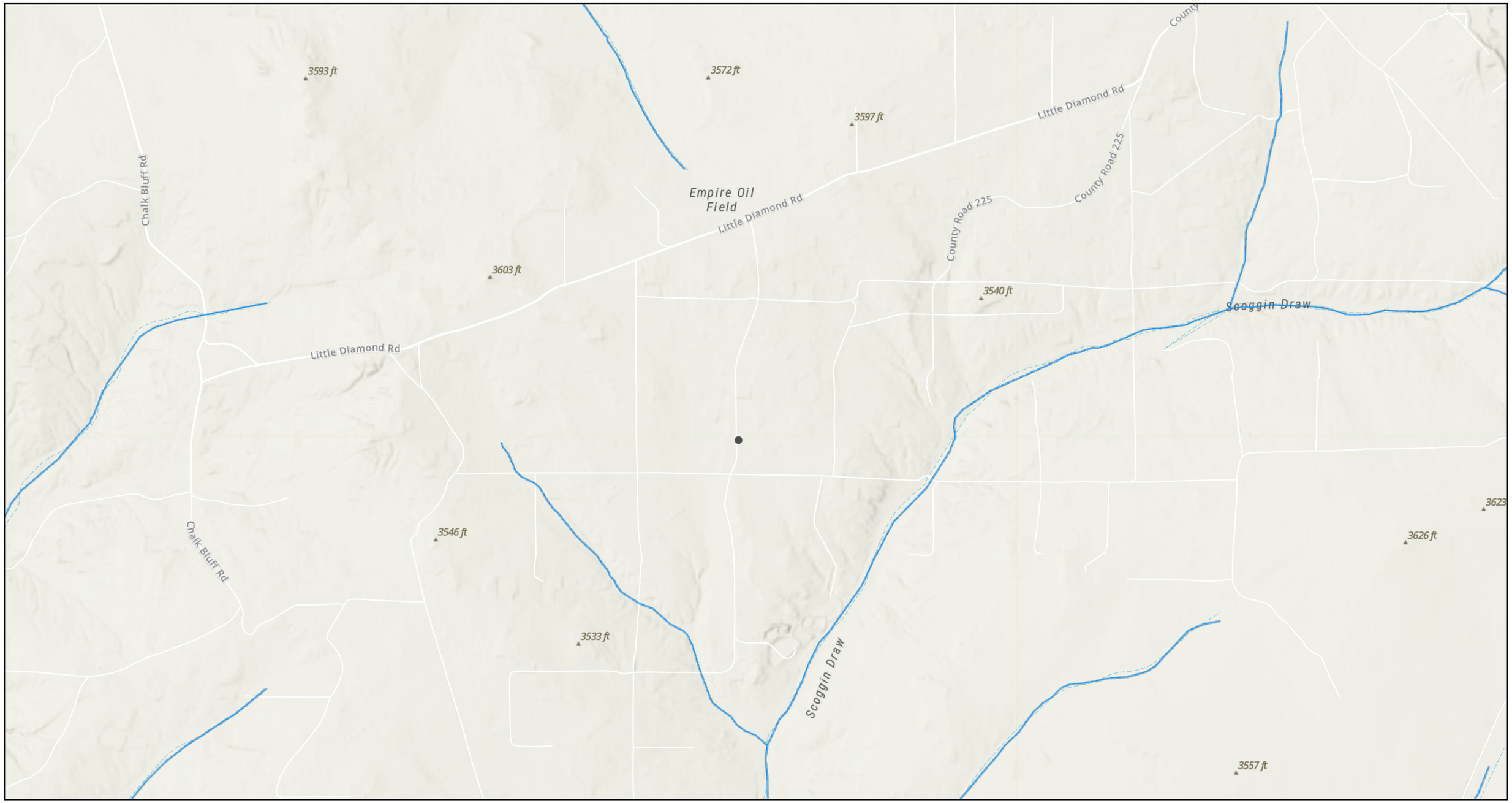
Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA

FEMA National Flood Hazard Layer (NFHL)

FEMA flood layer

Maxar | Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

FRONTIER ABO PLANT W. INLET 12" POLY LINE



8/15/2024, 9:36:28 AM

OSE Streams

1:18,056

0 0.17 0.35 0.7 mi

0 0.3 0.6 1.2 km

Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, NM OSE

New Mexico Oil Conservation Division

APPENDIX F

CARMONA RESOURCES

December 13, 2022 Vertex Project #: 22E-00946

Spill Closure Report: ABO Plant W. Inlet & Abo Plant W. Inlet 2
Section 10, Township 18 South, Range 27 East
County: Eddy
Incident Report: nAPP2207742550 and nAPP2218749539

Prepared For: **Frontier Field Services, LLC**
47 Conoco Road
Maljamar, New Mexico 88264

New Mexico Oil Conservation Division – District 2
811 South 1st Street
Artesia, New Mexico 88210

Frontier Field Services, LLC (Frontier) retained Vertex Resource Services Inc. (Vertex) to conduct a Spill Assessment for a release of natural gas caused by equipment failure 3.6 miles west-northwest of the Artesia Gas Plant, Incident nAPP2207742550 and nAPP2218749539 (hereafter referred to as "ABO"). This letter provides a description of the Spill Assessment and Remediation, and includes a request for Spill Closure. The spill area is located at N 32.768683, W -104.272269.

Background

The site is located approximately 4.2 miles south of Riverside, New Mexico (Google Inc., 2022). The legal location for the site is Section 10, Township 18 South, Range 27 East in Eddy County, New Mexico. The spill area is located on federal property. An aerial photograph and site schematic are included on Figure 1 (Attachment 1).

The Geological Map of New Mexico (New Mexico Bureau of Geology and Mineral Resources, 2022) indicates the site's surface geology is comprised primarily of Pat – Artesia Group (Guadalupian) – Shelf facies forming broad south-southeast trending outcrop from Glorieta to Artesia area; includes Tansill, Yates, Seven Rivers, Queen, and Grayburg Formations (Guadalupian). Predominant soil texture on the site is loamy and bedrock. The Natural Resources Conservation Service *Web Soil Survey* characterizes the predominant soil texture on the site is GC - Gypsum land - Cottonwood complex: shallow loam (8 inches) overlying bedrock (United States Department of Agriculture, Natural Resources Conservation Service, 2022).

The surrounding landscape is associated with valley floors, plains, fan piedmonts, piedmont slopes or relic lakebeds on basins at elevations of 2,800 to 5,000 feet above sea level. The climate is semi-arid, with an average annual precipitation of 13 inches. This site has a grassland aspect with patches of bare or lichen covered soil surface exposed between patches of vegetation. The potential plant community is dominated by alkali sacaton, short and mid grass perennials and forbs, with half shrubs and shrubs sparsely and evenly distributed. Overgrazing and extended drought can reduce grass cover (United States Department of Agriculture, Natural Resources Conservation Service, 2022).

There is no surface water located at ABO. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 Mexico Administrative Code (NMAC; New Mexico Oil Conservation Division, 2018), is the Pecos River located approximately 2.60 miles west of the site (Google Inc., 2022). There are no continuous flowing watercourses or significant watercourses, lakebeds, sinkholes, playa lakes, or other critical water or community features as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

Incident Description

The release, caused by failure of a previously existing 12" Powerseal Full-Wrap Clamp, was discovered on February 24, 2022. Initial response evaluated the release at less than 5 bbl of condensate; however, site delineation and excavation determined the release to be of a reportable volume. The spill was reported as soon as reportable status was determined, on March 18, 2022, and involved the release of approximately 4.461 Mcf of natural gas adjacent to the road. No product was removed during initial spill clean-up. Field screening and laboratory analysis data are included in Table 2 (Attachment 5). The New Mexico Oil Conservation Division (NMOCD) C-141 Report: nAPP2207742550 is included in Attachment 2. The daily field reports (DFRs) and site photographs are included in Attachment 3.

A second release occurred during remediation efforts while the excavation was open. The area received several inches of water that settled into the bottom of the excavation and fine mists of liquids impacted the rainwater. The spill was discovered on July 1, 2022. Initial response of the release removed all standing fluid from the bottom of the excavation with vacuum trucks. The NMOCD C-141 Report: nAPP2218749569 is included in Attachment 2.

Closure Criteria Determination

The depth to groundwater was determined using information from the United States Department of the Interior, United States Geological Survey (2022) National Water Information Mapping System and New Mexico Office of the State Engineer (2022) Water Rights Reporting System. A 0.5-mile search radius was used to determine groundwater depth. The closest recorded depth to groundwater was determined to be 31 feet below ground surface (bgs) and 2,442 feet from the site (New Mexico Office of the State Engineer, New Mexico Water Rights Reporting System, 2022). Documentation used in Closure Criteria Determination research is included in Attachment 4.

Closure Criteria Worksheet			
Site Name: ABO Plant W. INLET 12" Poly Line			
Spill Coordinates:		**X: 32.768683**	**Y: -104.272269**
Site Specific Conditions		**Value**	**Unit**
1	Depth to Groundwater	**31**	feet
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	2,320	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	16,182	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	23,470	feet
5	i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, **or**	6,706	feet
	ii) Within 1000 feet of any fresh water well or spring	6,706	feet
6	Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves	No	(Y/N)
7	Within 300 feet of a wetland	14,453	feet
8	Within the area overlying a subsurface mine	No	(Y/N)
9	Within an unstable area (Karst Map)	**High**	Critical High Medium Low
10	Within a 100-year Floodplain	500	year
11	Soil Type	Loam, bedrock	
12	Ecological Classification	Gyp upland	
13	Geology	Shelf facies	
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	<50'	<50' 51-100' >100'

The closure criteria determined for the site are associated with the following constituent concentration limits as presented in Table 1.

Table 1. Closure Criteria for Soils Impacted by a Release

Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Limit
< 50 feet	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

TDS - Total dissolved solids , TPH - Total petroleum hydrocarbons = gasoline range organics (GRO) + diesel range organics (DRO) + motor oil range organics (MRO), BTEX - Benzene, toluene, ethylbenzene, and xylenes

Remedial Actions Taken

An initial site inspection of the spill area was completed on March 15, 2022, which identified the area of the spill specified in the initial C-141 Report, estimated the approximate volume of the spill and white lined the area required for the 811 One Call request. Impacts were determined to exceed the limit for a reportable release. The DFR associated with the site inspection is included in Attachment 3.

Remediation efforts began on March 15, 2022, and were completed on November 16, 2022 to asses both releases at the same time. Vertex personnel supervised the excavation of impacted soils. Field screening was completed on a total of 25 sample points and consisted of analysis using a photo ionization detector (volatile hydrocarbons), Dexsil Petroflag using EPA SW-846 Method 9074 (extractable hydrocarbons) and electroconductivity meter (chlorides). Field screening results were used to distinguish areas requiring further remediation from those areas showing concentrations below determined closure criteria levels. Soils were removed to a depth of 22 feet bgs. Impacted soil was transported by a licensed waste hauler and disposed of at an approved waste management facility. Field screening results are included in Table 2 (Attachment 5).

Notification that confirmatory samples were being collected was provided to the NMOCD on April 14, August 12, September 19, October 7, October 20, and November 10, 2022, and are included in Attachment 6. Confirmatory composite samples were collected from the base and walls of the excavation in 200 square foot increments. A total of 25 samples were collected for laboratory analysis following NMOCD soil sampling procedures. Samples were submitted to Envirotech under chain-of-custody protocols and analyzed for BTEX (EPA Method 8021B), total petroleum hydrocarbons (GRO, DRO, MRO – EPA Method 8015D) and total chlorides (EPA Method 300.0). Laboratory results are presented in Table 2 (Attachment 5) and the laboratory data reports are included in Attachment 7. All confirmatory samples collected and analyzed were below closure criteria for the site.

Deferral is being requested for contamination at the center of the north wall, located at sample point WS22-01 at depth intervals of 5-10 feet bgs and 10-15 feet bgs, due to concerns about the structural integrity of the above flowline. The 12” line is a direct connection to the gas plant and excavation beneath it in its current state could pose significant risk. The remaining contamination shows no signs of migration. The wall area consists of a hardpan rock where a hammerhoe

attachment was used to bust through area of excavation. Removing any additional rock could risk any future release having a conduit through the rock portion and reaching a deeper vertical depth. The remaining wall samples collected below the elevated portion of wall meets the strictest criteria.

Closure Request

The spill area was fully delineated, remediated, and will be backfilled with local soils. Confirmatory Sample Notification emails are included in Attachment 6. Confirmatory samples were analyzed by the laboratory and found to be below allowable concentrations as per the NMAC Closure Criteria for Soils Impacted by a Release locations "under 50 feet to groundwater". Based on these findings, Frontier Field Services, LLC. respectfully requests that these spills be closed.

Should you have any questions or concerns, please do not hesitate to contact the undersigned at 575.361.9880 or mpeppin@vertex.ca.

_____ _____

Monica Peppin, A.Sc. Date
PROJECT MANAGER, REPORTING

Attachments

Attachment 1. Site Schematic
Attachment 2. NMOCD C-141 Report
Attachment 3. Daily Field Reports with Pictures
Attachment 4. Closure Criteria for Soils Impacted by a Release Research Determination Documentation
Attachment 5. Tables
Attachment 6. Confirmatory Sampling Notification to the New Mexico Oil Conservation Division
Attachment 7. Laboratory Data Reports and Chain of Custody Forms

References

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Limitations

This report has been prepared for the sole benefit of Frontier Field Services, LLC.This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division and Bureau of Land Management, without the express written consent of Vertex Resource Services Inc. (Vertex) and Frontier Field Services, LLC. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report are the sole responsibility of the user.

The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgement of Vertex based on the data collected during the assessment. Due to the nature of the assessment and the data available, Vertex cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

ATTACHMENT 1

VERTEX

0 5 10 20 ft.

NAD 1983 UTM Zone 13N
Date: Dec 06/22

Map Center:
Lat: 32.768499,
Long:-104.272286

N

Confirmatory Schematic
ABO Plant W

FIGURE: **1**

DURANGO MIDSTREAM

Document Path: \\vtx-s-fs01.corp.internal\sharedvps\04 - Geomatics\1-Projects_US PROJECTS\Durango Midstream LLC\22E-00946 - ABO Plant\Figure 1 Confirmatory Schematic Abo Plant W.mxd

Note: Background imagery from Google Earth, 2019. Features from GPS. Vertex Professional Services Ltd., 2022.

VERSATILITY. EXPERTISE.

ATTACHMENT 2

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2207742550
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Frontier Field Services, LLC	OGRID 221115
Contact Name Amber Groves	Contact Telephone 575-703-7992
Contact email agroves@durangomidstream.com	Incident # *(assigned by OCD)*
Contact mailing address 47 Conoco Rd, Maljamar NM 88264	

Location of Release Source

Latitude 32.768683 Longitude -104.272269
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Abo Plant W. Inlet 12 " Poly Line	Site Type Pipeline
Date Release Discovered 2/24/2022	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
D	10	18S	27E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls) 0
☒ Natural Gas	Volume Released (Mcf) 4.461	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
Previously existing 12" Powerseal Full-Wrap Clamp failure. This release was initially evaluated to be less than 5 bbls of condensate released. Upon initial site delineation and excavation, it was determined to be of a reportable volume. NOR initiated as soon as reportable status was determined.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2207742550
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

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.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. 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 attach all information needed for closure evaluation.

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.

Printed Name: Amber Groves Title: Remediation Specialist

Signature: Amber Groves Date: 3/18/2022

email: agroves@durangomidstream.com Telephone: (575)703-7992

OCD Only

Received by: Jocelyn Harimon Date: 03/18/2022

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2207742550
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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?	31 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2207742350
District RP	
Facility ID	
Application ID	

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.

Printed Name: Amber Groves Title: Senior Environmental Specialist

Signature: Amber Groves Date: 12/14/2022

email: agroves@durangomidstream.com Telephone: 575-703-7992

OCD Only

Received by: Jocelyn Harimon Date: 12/19/2022

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2207742550
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

☒ Detailed description of proposed remediation technique
☒ Scaled sitemap with GPS coordinates showing delineation points
☒ Estimated volume of material to be remediated
☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☒ Extents of contamination must be fully delineated.

☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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.

Printed Name: Amber Groves Title: Senior Environmental Specialist

Signature: Amber Groves Date: 12/14/2022

email: agroves@durangomidstream.com Telephone: 575-703-7992

OCD Only

Received by: Jocelyn Harimon Date: 12/19/2022

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Date:

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2207742556
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: Amber Groves Title: Senior Environmental Specialist

Signature: Amber Groves Date: 575-703-7992

email: agroves@durangomidstream.com Telephone: 575-703-7992

OCD Only

Received by: Jocelyn Harimon Date: 12/19/2022

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: _____

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2218749539
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Frontier Field Services, LLC	OGRID 221115
Contact Name Amber Groves	Contact Telephone 575-703-7992
Contact email agroves@durangomidstream.com	Incident # *(assigned by OCD)*
Contact mailing address 47 Conoco Rd, Maljamar NM 88264	

Location of Release Source

Latitude 32.768683 Longitude -104.272269
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Abo Plant W. Inlet 12 " Poly Line	Site Type Pipeline
Date Release Discovered 7/1/2022	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
D	10	18S	32E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☒ Condensate	Volume Released (bbls) 24	Volume Recovered (bbls) 0
☒ Natural Gas	Volume Released (Mcf) 4.461	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
Previous release listed under nAPP2207742550 was currently excavated. The area has received several inches of rain in the last 2-3 weeks and fine mist of liquids impacted the rainwater. All liquids were vacced out and this release will be remediated in conjunction with current excavation activities.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2218749539
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

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.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. 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 attach all information needed for closure evaluation.

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.

Printed Name: Amber Groves Title: Remediation Specialist

Signature: Amber Groves Date: 7/7/2022

email: agroves@durangomidstream.com Telephone: (575)703-7992

OCD Only

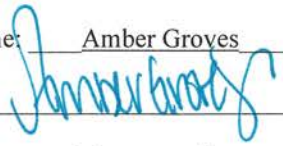
Received by: Jocelyn Harimon Date: 07/07/2022

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2218749539
District RP	
Facility ID	
Application ID	

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.

Printed Name: Amber Groves Title: Senior Environmental Specialist

Signature:  Date: 12/14/2022

email: agroves@durangomidstream.com Telephone: 575-703-7992

OCD Only

Received by: _____ Date: _____

Form C-141 State of New Mexico
Page 5 Oil Conservation Division

Incident ID	nAPP2218749539
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

☒ Detailed description of proposed remediation technique
☒ Scaled sitemap with GPS coordinates showing delineation points
☒ Estimated volume of material to be remediated
☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☒ Extents of contamination must be fully delineated.

☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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.

Printed Name: Amber Groves Title: Senior Environmental Specialist

Signature: Date: 12/14/2022

email: agroves@durangomidstream.com Telephone: 575-703-7992

OCD Only

Received by: Date:

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Date:

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2218749539
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: Amber Groves Title: Senior Environmental Specialist

Signature: Amber Groves Date: 12/14/2022

email: agroves@durangomidstream.com Telephone: 575-703-7992

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: _____

ATTACHMENT 3

Daily Site Visit Report

Client:	Frontier Field Services	Inspection Date:	3/15/2022
Site Location Name:	Abo Plant W	Report Run Date:	3/17/2022 6:40 PM
Client Contact Name:	Amber Groves	API #:	
Client Contact Phone #:	(575)703-7992		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site	3/15/2022 8:15 AM
Departed Site	3/15/2022 4:45 PM

Field Notes

13:21 Rake brush and debris away from riser/spill area

Make blind sweep with pin finder

8:59 Begin excavation

11:20 Line strike. Dug up PVC conduit with electric line. Damage control ticket placed with NM811 and client notified.

16:01 Electric line declared abandoned, resumed excavation

Next Steps & Recommendations

1 Return tomorrow to haul off contaminated soil

2 Finish field screening and collecting samples

Daily Site Visit Report

Site Photos

Viewing Direction: East

Hand dug excavation under pipe at point of release

Viewing Direction: West

Spoil pile

Viewing Direction: North

Cut electric line running through excavation

Viewing Direction: North

PVC conduit from cut electric line

Daily Site Visit Report

Viewing Direction: North	**Viewing Direction**: North
	
PVC conduit/electric line running under pipe in excavation	PVC conduit/electric line running through excavation
Viewing Direction: North	**Viewing Direction**: North
	
PVC conduit/electric line running through excavation	Excavation area

Daily Site Visit Report

Viewing Direction: South	**Viewing Direction**: North
	
Excavation area	Excavation area

Daily Site Visit Report

Daily Site Visit Signature

Inspector: Jason Crabtree

Signature: 

Daily Site Visit Report

Client:	Durango Midstream LLC	Inspection Date:	10/12/2022
Site Location Name:	Abo Plant W	Report Run Date:	10/17/2022 3:56 PM
Client Contact Name:	Amber Groves	API #:	
Client Contact Phone #:	346-351-2786		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site	10/12/2022 9:30 AM
Departed Site	

Field Notes

9:59 Arrived on site and held safety meeting / discussed plans for the day with reps from standard safety

10:31 Began benching west side of excavation beneath road

10:32 Departed location at ~1300

Next Steps & Recommendations

1

Daily Site Visit Report

Site Photos

Viewing Direction: South

Berm blocking road

Viewing Direction: South

Benched area on western wall of excavation

Viewing Direction: West

During benching of west wall and northwest corner of excavation

Viewing Direction: North

Benched section of west wall

Daily Site Visit Report

Viewing Direction: North

Diverted roadway

Daily Site Visit Report

Daily Site Visit Signature

Inspector: McKitric Wier

Signature: 

Daily Site Visit Report

Client:	Durango Midstream LLC	Inspection Date:	10/13/2022
Site Location Name:	Abo Plant W	Report Run Date:	10/17/2022 3:55 PM
Client Contact Name:	Amber Groves	API #:	
Client Contact Phone #:	346-351-2786		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site	10/13/2022 7:50 AM
Departed Site	10/13/2022 2:50 PM

Field Notes

14:27 Continued with benching of west side of excavation at ~830

14:27 Paused to empty spoils from base of excavation at ~ 1000

14:27 Continued with benching at ~ 1115

14:28 Took samples from walls on east, west, and north walls of excavation. All samples returned hot

14:29 Began benching / expanding excavation northward

Next Steps & Recommendations

1 Continue with benching and field screening of walls

Daily Site Visit Report

Site Photos

Viewing Direction: North	**Viewing Direction**: South
	
Cleaning up Benching of west wall.	Top of benched area on north end of pit
Viewing Direction: Northwest	**Viewing Direction**: West
	
Benched portion of northern wall	West wall after benching

Daily Site Visit Report

Viewing Direction: Southwest

Area near line running by location

Daily Site Visit Report

Daily Site Visit Signature

Inspector: McKitric Wier

Signature: 
Signature

Daily Site Visit Report

Client:	Durango Midstream LLC	Inspection Date:	10/14/2022
Site Location Name:	Abo Plant W	Report Run Date:	10/17/2022 3:55 PM
Client Contact Name:	Amber Groves	API #:	
Client Contact Phone #:	346-351-2786		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site	10/14/2022 8:00 AM
Departed Site	10/14/2022 3:00 PM

Field Notes

9:42 Arrived on site and held safety meeting with reps from standard @ ~830

9:43 Completed benching on west side of roadway

9:43 Benched area on north side of excavation near poly lines

9:43 Completed benching near north end of excavation

Next Steps & Recommendations

1

Daily Site Visit Report

Site Photos

Viewing Direction: South

Benching on the east side of the excavation

Viewing Direction: Southwest

Benching on northeast edge of excavation near deepest portion

Viewing Direction: West

Benched west wall

Viewing Direction: North

North wall

Daily Site Visit Report

Daily Site Visit Signature

Inspector: McKitric Wier

Signature: 
Signature

ATTACHMENT 4

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 324603104155001

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 324603104155001 18S.27E.10.213223

Eddy County, New Mexico
Latitude 32°46'03", Longitude 104°15'50" NAD27
Land-surface elevation 3,479 feet above NAVD88
The depth of the well is 130 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Artesia Group (313ARTS) 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	? Wa lev app sta
1961-12-28		D	62610		3430.16	NGVD29	1	Z			
1961-12-28		D	62611		3431.72	NAVD88	1	Z			
1961-12-28		D	72019	47.28			1	Z			
1962-01-04		D	62610		3430.13	NGVD29	1	Z			
1962-01-04		D	62611		3431.69	NAVD88	1	Z			
1962-01-04		D	72019	47.31			1	Z			
1963-01-07		D	62610		3428.69	NGVD29	1	Z			
1963-01-07		D	62611		3430.25	NAVD88	1	Z			
1963-01-07		D	72019	48.75			1	Z			
1963-07-23		D	62610		3429.23	NGVD29	1	Z			
1963-07-23		D	62611		3430.79	NAVD88	1	Z			
1963-07-23		D	72019	48.21			1	Z			
1963-08-30		D	62610		3429.16	NGVD29	1	Z			
1963-08-30		D	62611		3430.72	NAVD88	1	Z			
1963-08-30		D	72019	48.28			1	Z			
1963-09-04		D	62610		3431.85	NGVD29	1	Z			
1963-09-04		D	62611		3433.41	NAVD88	1	Z			
1963-09-04		D	72019	45.59			1	Z			
1963-10-01		D	62610		3431.71	NGVD29	1	Z			

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
1963-10-01		D	62611		3433.27	NAVD88	1	Z			
1963-10-01		D	72019	45.73			1	Z			
1963-11-22		D	62610		3431.28	NGVD29	1	Z			
1963-11-22		D	62611		3432.84	NAVD88	1	Z			
1963-11-22		D	72019	46.16			1	Z			
1964-01-09		D	62610		3430.52	NGVD29	1	Z			
1964-01-09		D	62611		3432.08	NAVD88	1	Z			
1964-01-09		D	72019	46.92			1	Z			
1966-01-24		D	62610		3436.15	NGVD29	1	Z			
1966-01-24		D	62611		3437.71	NAVD88	1	Z			
1966-01-24		D	72019	41.29			1	Z			
1984-02-09		D	62610		3455.28	NGVD29	1	Z			
1984-02-09		D	62611		3456.84	NAVD88	1	Z			
1984-02-09		D	72019	22.16			1	Z			
1984-03-01		D	62610		3456.08	NGVD29	1	Z			
1984-03-01		D	62611		3457.64	NAVD88	1	Z			
1984-03-01		D	72019	21.36			1	Z			
1989-02-02		D	62610		3458.03	NGVD29	1	Z			
1989-02-02		D	62611		3459.59	NAVD88	1	Z			
1989-02-02		D	72019	19.41			1	Z			
1994-02-24		D	62610		3444.77	NGVD29	1	S			
1994-02-24		D	62611		3446.33	NAVD88	1	S			
1994-02-24		D	72019	32.67			1	S			
1999-01-19		D	62610		3445.71	NGVD29	1	S	USGS	S	
1999-01-19		D	62611		3447.27	NAVD88	1	S	USGS	S	
1999-01-19		D	72019	31.73			1	S	USGS	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
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.

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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 03917		RA	LE	4	1	2	10	18S	27E	569019	3625660*	887	130	50	80
RA 03714		RA	CH	4	4	2	08	18S	27E	566212	3625253*	2044	381		
RA 03661		RA	ED	3	2	3	32	17S	27E	565186	3628038*	3674	330	140	190
RA 03664		RA	CH	3	2	3	32	17S	27E	565186	3628038*	3674	400	100	300
RA 04048		RA	LE	1	4	4	14	18S	27E	570841	3623030*	3912	2096		
RA 01493		RA	ED		2	1	27	17S	27E	568468	3630529*	4661	876		

Average Depth to Water: **96 feet**

Minimum Depth: **50 feet**

Maximum Depth: **140 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 568159 **Northing (Y):** 3625878 **Radius:** 5000

***UTM location was derived from PLSS - see Help**

4/6/22 12:40 PM

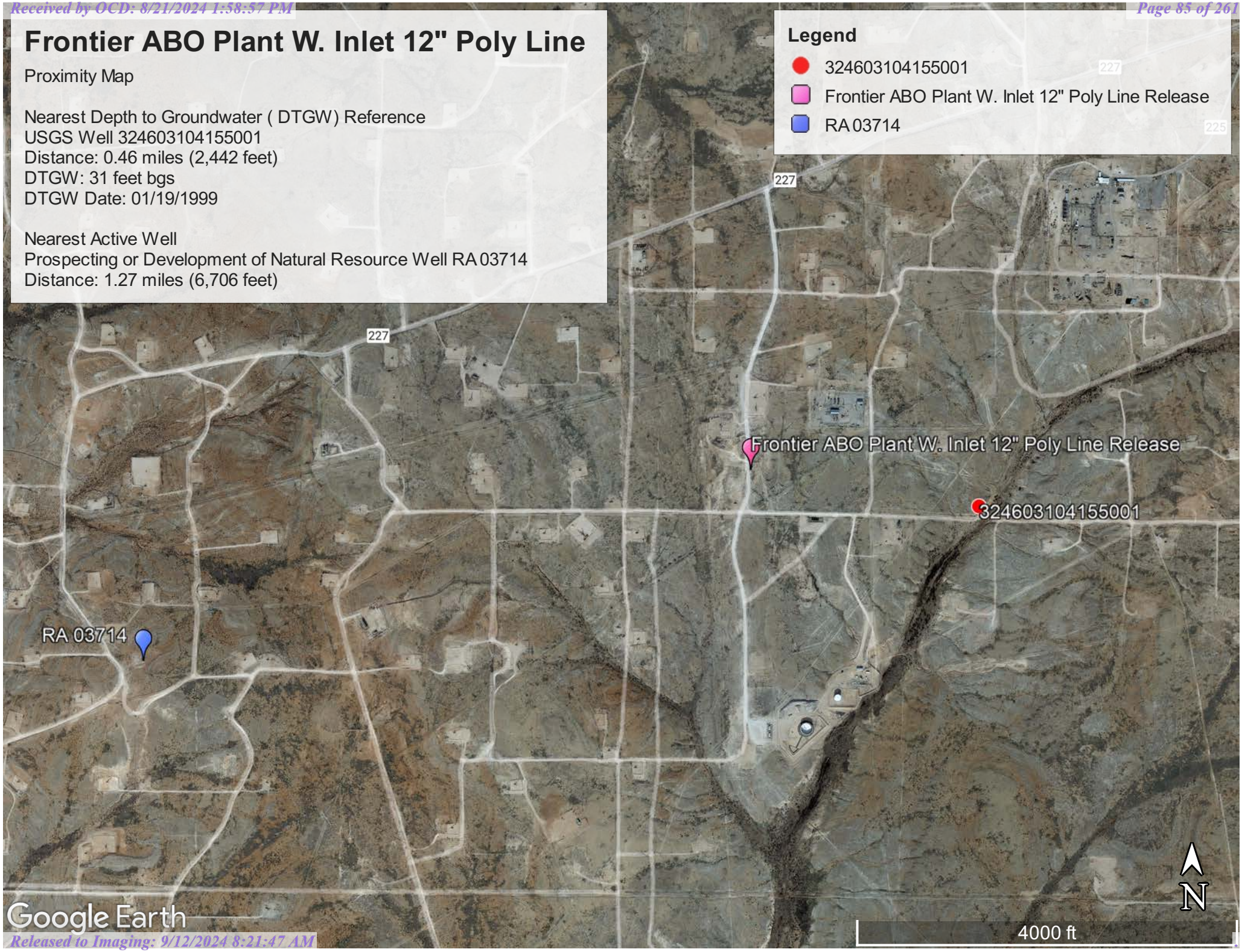
WATER COLUMN/ AVERAGE DEPTH TO WATER

Frontier ABO Plant W. Inlet 12" Poly Line

Proximity Map

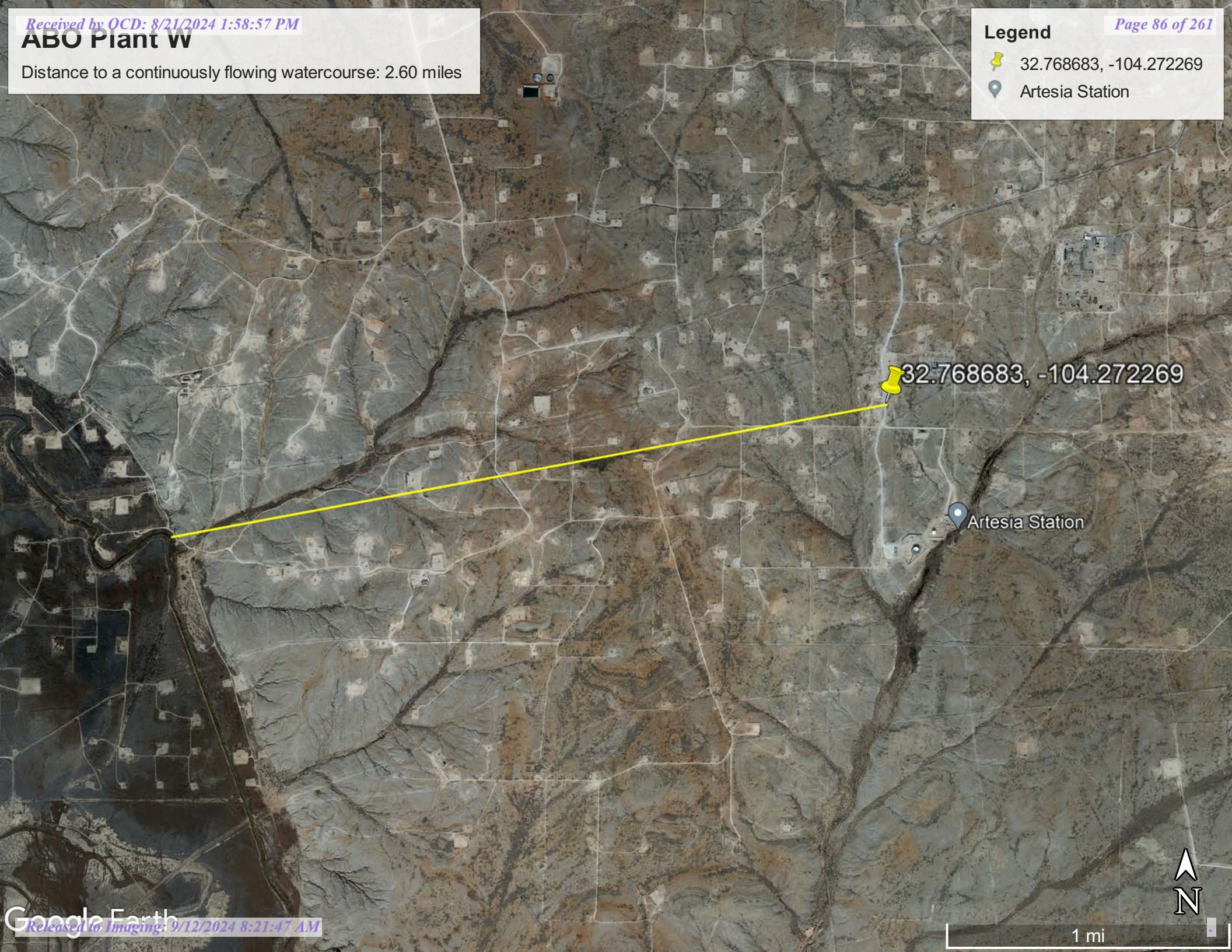
Nearest Depth to Groundwater (DTGW) Reference
USGS Well 324603104155001
Distance: 0.46 miles (2,442 feet)
DTGW: 31 feet bgs
DTGW Date: 01/19/1999

Nearest Active Well
Prospecting or Development of Natural Resource Well RA 03714
Distance: 1.27 miles (6,706 feet)



ABO Plant W

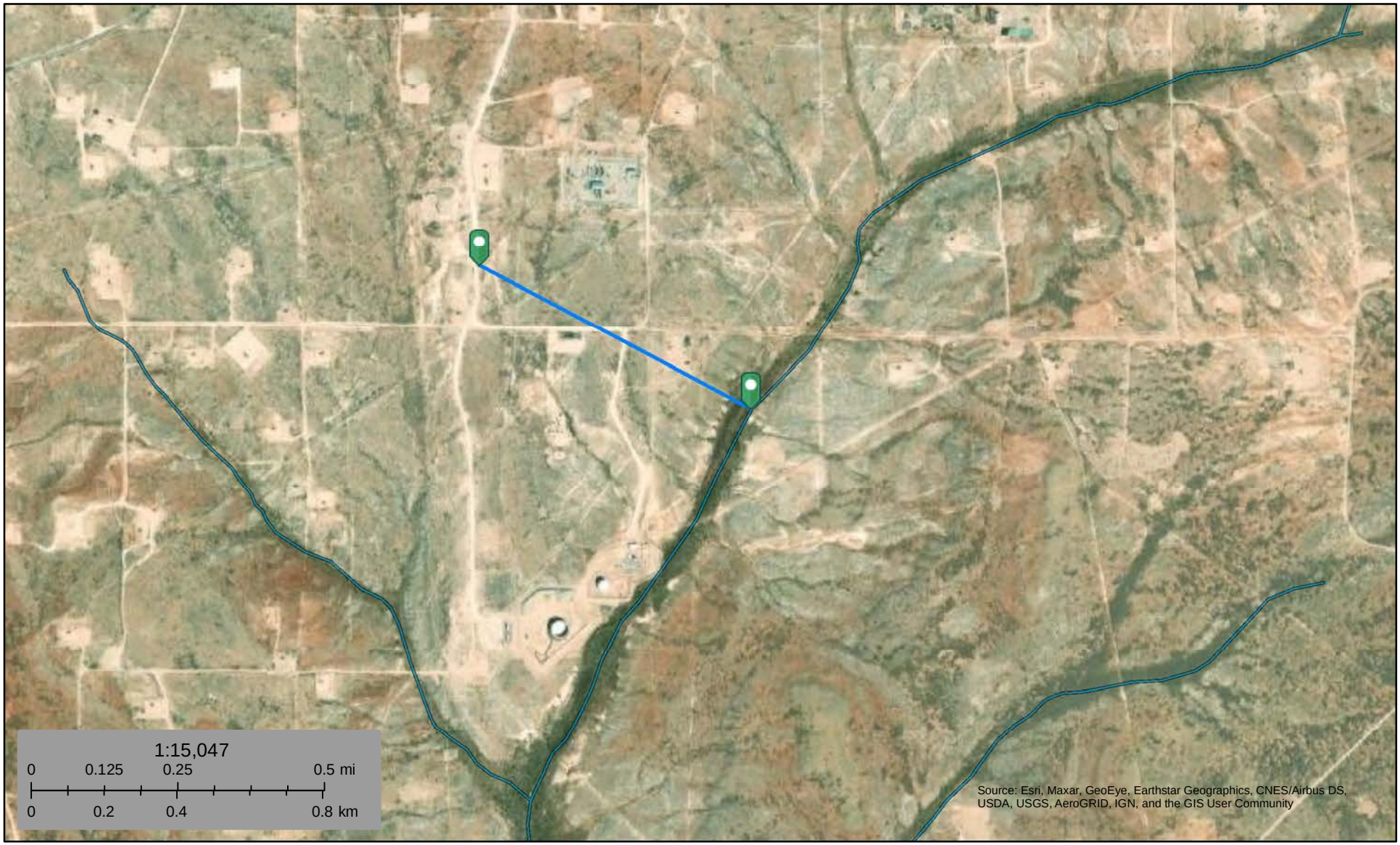
Distance to a continuously flowing watercourse: 2.60 miles



U.S. Fish and Wildlife Service

National Wetlands Inventory

Intermittent 2,320 feet



April 6, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

U.S. Fish and Wildlife Service

National Wetlands Inventory

Pond 16,182 feet

April 6, 2022

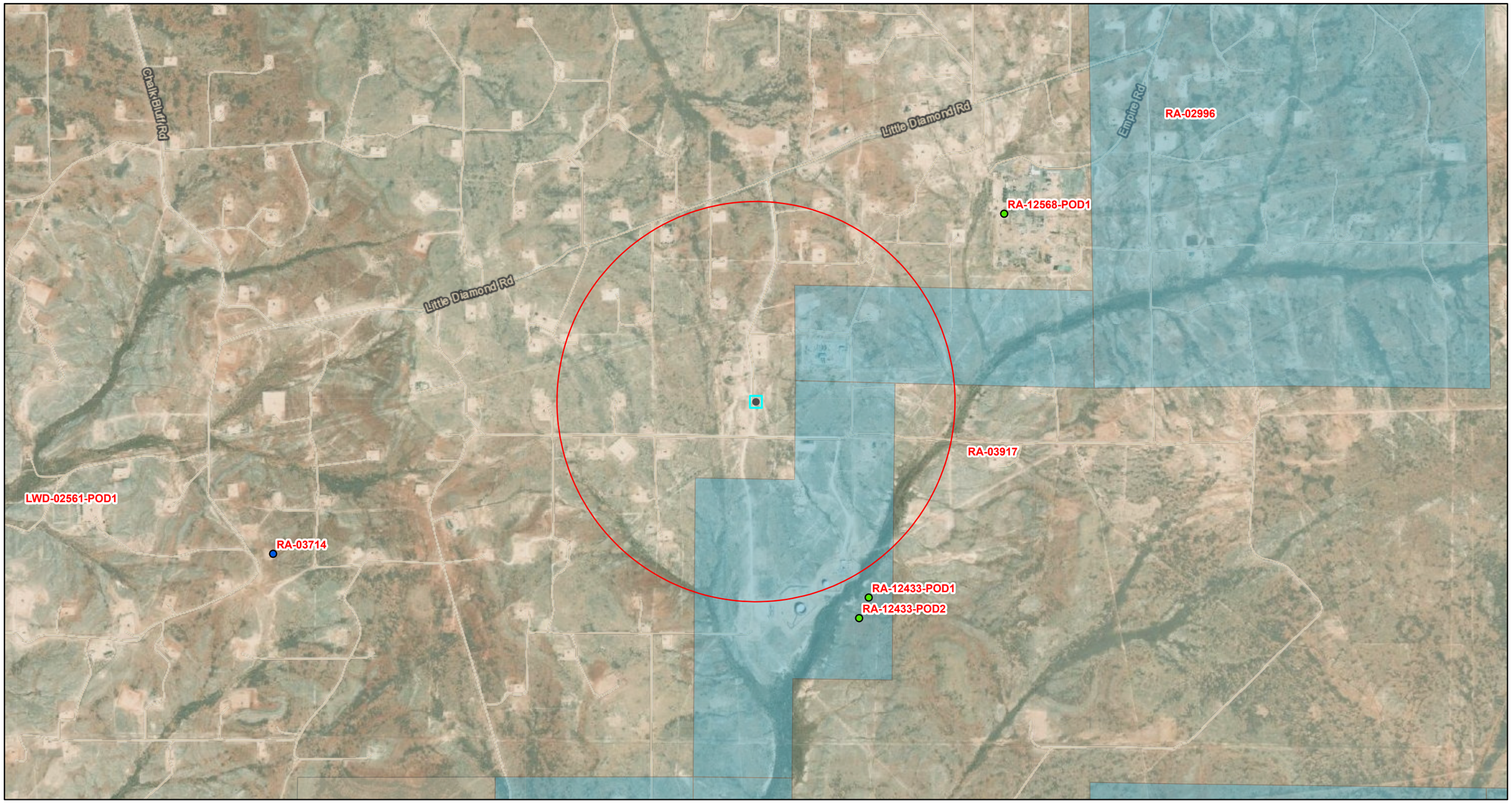
Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

OSE POD Locations 0.5 mile



4/6/2022, 1:44:37 PM

1:18,056

GIS WATERS PODs
- Active
- Pending
- OSE District Boundary

Water Right Regulations
- Closure Area

New Mexico State Trust Lands
- Subsurface Estate

- Both Estates
- SiteBoundaries

0 0.17 0.35 0.7 mi
0 0.3 0.6 1.2 km

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, U.S. Department of Energy Office of Legacy

Unofficial Online Map
These maps are distributed “as is” without warranty of any kind.

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	RA 03714	4	4	2	08	18S	27E	566212	3625253*

Driller License: 46 **Driller Company:** ABBOTT BROTHERS COMPANY

Driller Name: ABBOTT, FLOYD

Drill Start Date:	03/28/1957	**Drill Finish Date:**	04/01/1957	**Plug Date:**	
Log File Date:	04/10/1957	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	7.00	**Depth Well:**	381 feet	**Depth Water:**	

Water Bearing Stratifications:	Top	Bottom	Description
	325	350	Sandstone/Gravel/Conglomerate

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer
Water Right Summary

WR File Number: RA 03714 **Subbasin:** RA **Cross Reference:** -

Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Owner: HUMBLE OIL & REFINING COMPANY

Documents on File

Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
260239	72121	1957-03-26	PMT	LOG	RA 03714	T		3	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
RA 03714		Shallow	4	4	2	08	18S	27E	566212	3625253*	

***An (*) after northing value indicates UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum) (R=POD has been replaced and no longer serves this file, C=the file is closed) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Well Tag	Code	Grant	Source	q 64	q 16	q 4	Sec	Twn	Rng	X	Y	Distance
RA 03917	RA	PRO	0	PAN AMERICAN PETROLEUM CORP.	LE	RA 03917				Artesian	4	1	2	10	18S	27E	569019	3625660*	887
RA 12433	RA	MON	0	CENTURION PIPELINE LP	ED	RA 12433 POD1					2	2	3	10	18S	27E	568621	3625094	910
					ED	RA 12433 POD2					2	2	3	10	18S	27E	568583	3625010	965
RA 12568	RA	MON	0	AKA ENERGY GROUP	ED	RA 12568 POD1	NA				1	2	4	03	18S	27E	569158	3626640	1257
RA 02996	RA	DOM	3	PATON BROTHERS	ED	RA 02996					2	3	1	02	18S	27E	569808	3627025*	2008
RA 03714	RA	PRO	0	HUMBLE OIL & REFINING COMPANY	CH	RA 03714				Shallow	4	4	2	08	18S	27E	566212	3625253*	2044
LWD 02561	RA	PLS	0.25	J W GISSLER	ED	LWD 02561 POD1	NA				1	4	1	08	18S	27E	565210	3625446*	2980
RA 03661	RA	PRO	0	HUMBLE OIL & REFINING	ED	RA 03661				Shallow	3	2	3	32	17S	27E	565186	3628038*	3674
RA 03664	RA	DOM	0	HUMBLE OIL & REFINING CO	CH	RA 03664				Shallow	3	2	3	32	17S	27E	565186	3628038*	3674
RA 04048	RA	OBS	0	INC. WESTERN OIL FIELDS	LE	RA 04048				Artesian	1	4	4	14	18S	27E	570841	3623030*	3912
RA 12595	RA	MON	0	YVONNE BLAIR	ED	RA 12595 POD1	NA				3	3	3	17	18S	27E	564716	3623585	4135
RA 12594	RA	MON	0	YVONNE BLAIR	ED	RA 12594 POD2	NA				3	3	3	17	18S	27E	564721	3623558	4146
					ED	RA 12594 POD1					4	4	4	18	18S	27E	564698	3623562	4163
RA 01493	RA	IRR	3	JULIAN MONTOYA	ED	RA 01493				Artesian		2	1	27	17S	27E	568468	3630529*	4661
RA 05851	RA	PRO	0	CACTUS DRILLING CORP.	ED	RA 05851						1	3	07	18S	27E	563277	3624944*	4970

Record Count: 15

UTMNAD83 Radius Search (in meters):

Easting (X): 568159 **Northing (Y):** 3625878 **Radius:** 5000

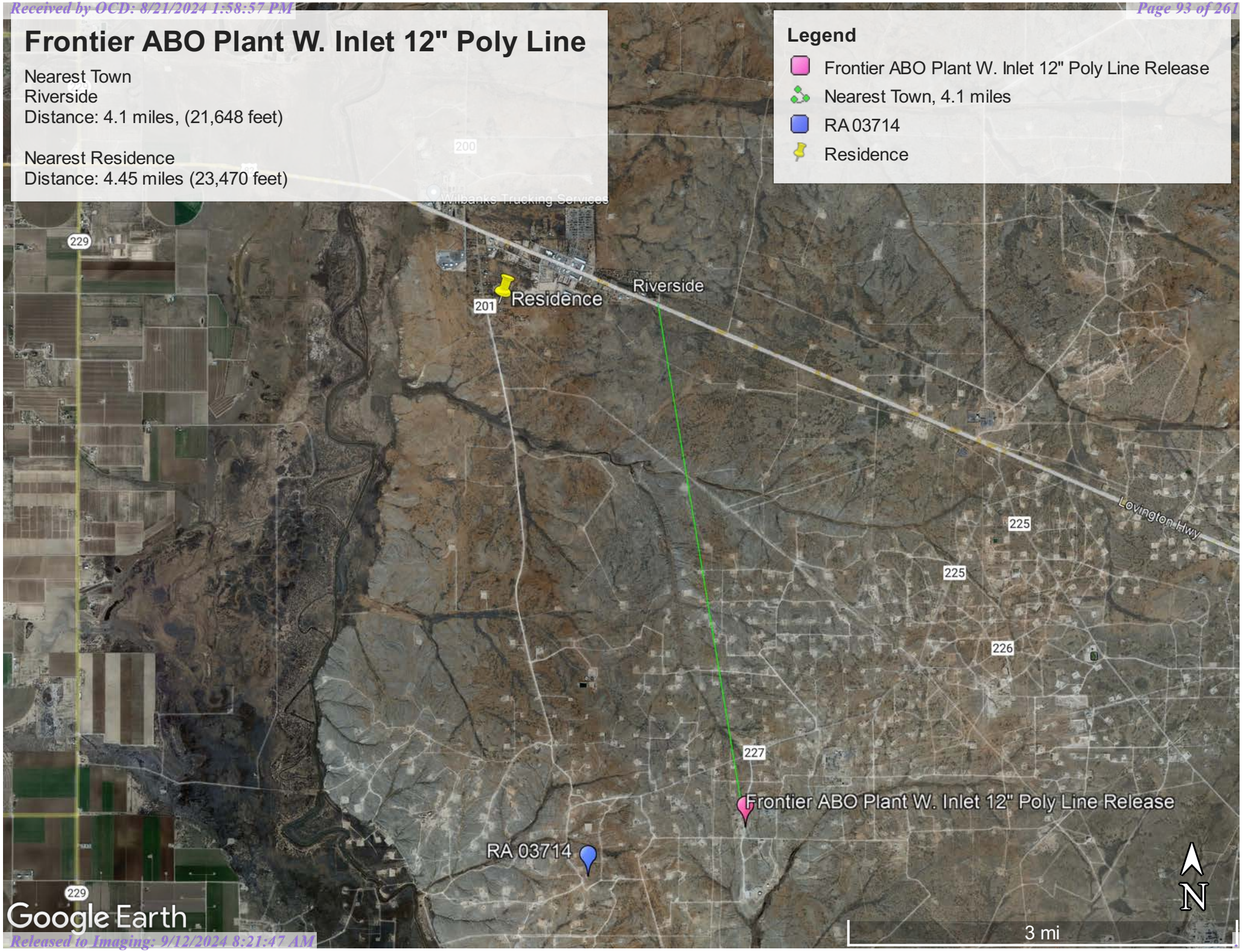
Sorted by: Distance

***UTM location was derived from PLSS - see Help**

Frontier ABO Plant W. Inlet 12" Poly Line

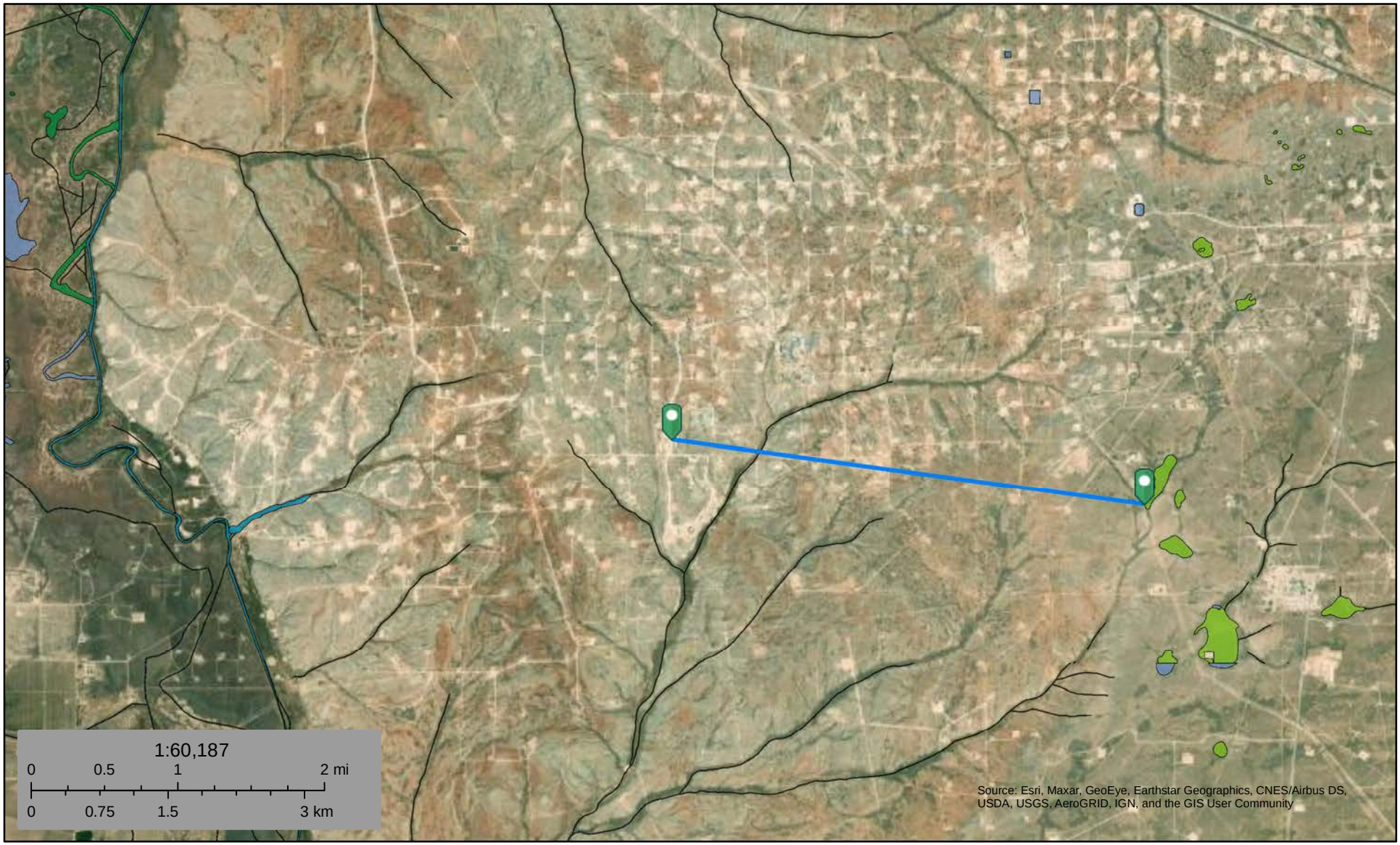
Nearest Town
Riverside
Distance: 4.1 miles, (21,648 feet)

Nearest Residence
Distance: 4.45 miles (23,470 feet)



U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetland 14453 feet



April 6, 2022

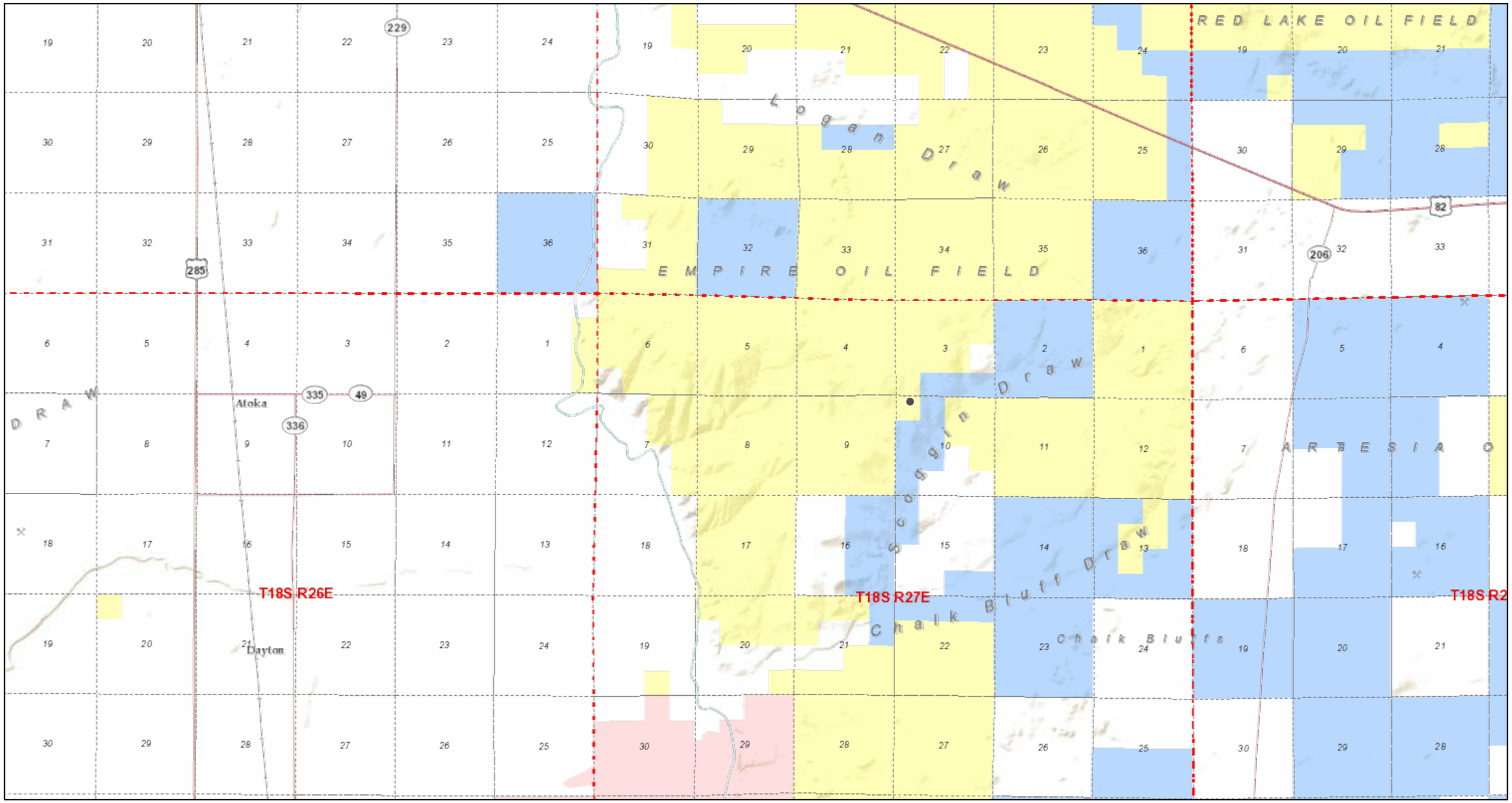
Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Active Mines in New Mexico



4/6/2022, 3:59:03 PM

1:72,224

0 0.75 1.5 3 mi

0 1 2 4 km

Township / Range

Sections

Land Ownership

Bureau of Land Management

Bureau of Reclamation

Department of Agriculture

Department of Defense

Department of Energy

National Park Service

Private Land

State Game and Fish

State Land

State Parks

Tribal

US Fish and Wildlife Service

US Forest Service

Registered Mines

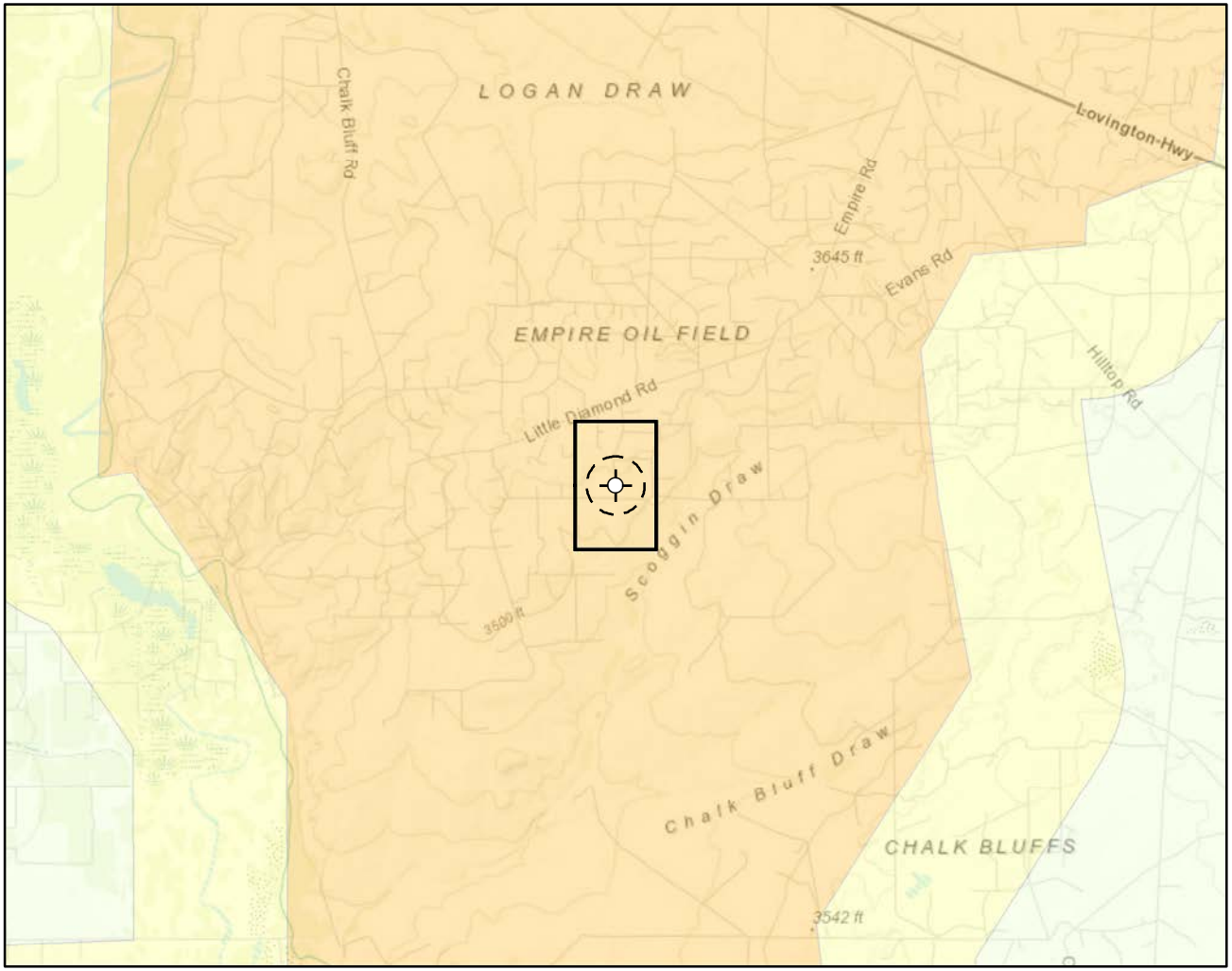
Aggregate, Stone etc.

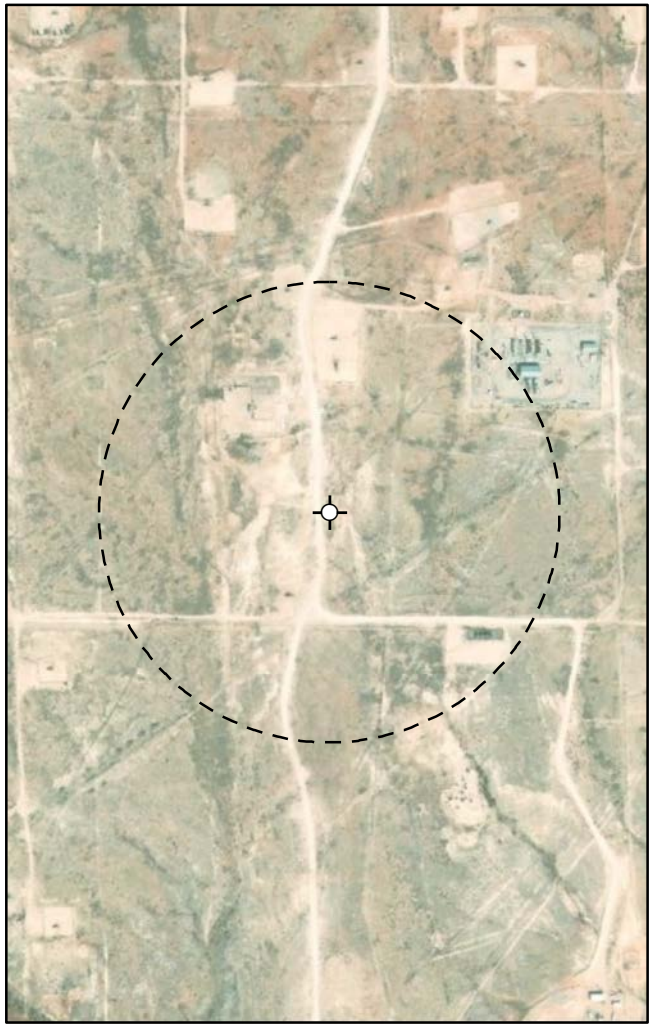
Aggregate, Stone etc.

U.S. Bureau of Land Management - New Mexico State Office, Sources: Esri, USGS, NOAA, Sources: Esri, Garmin, USGS, NPS

EMNRD MMD GIS Coordinator

NM Energy, Minerals and Natural Resources Department (http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=1b5e577974664d689b47790897ca2795)





Karst Potential

- Critical
- High
- Medium
- Low

Site Location

Site Buffer (1,000 ft.)

Overview Map

0 0.25 0.5 1 mi

Detail Map

0 150 300 600 ft.

VERTEX

Map Center:
Lat/Long: 32.768683, -104.272269

NAD 1983 UTM Zone 13N
Date: Apr 14/22

N

Karst Potential Map
Frontier ABO Plant W. Inlet 12" Poly Line

FIGURE:
X

DURANGO MIDSTREAM

Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Inset Map, ESRI 20XX; Overview Map: ESRI World Topographic. Karst potential data sourced from Rosswell Field Office, Bureau of Land Management, 2020 or United States Department of the Interior, Bureau of Land Management. (2018). Karst Potential.

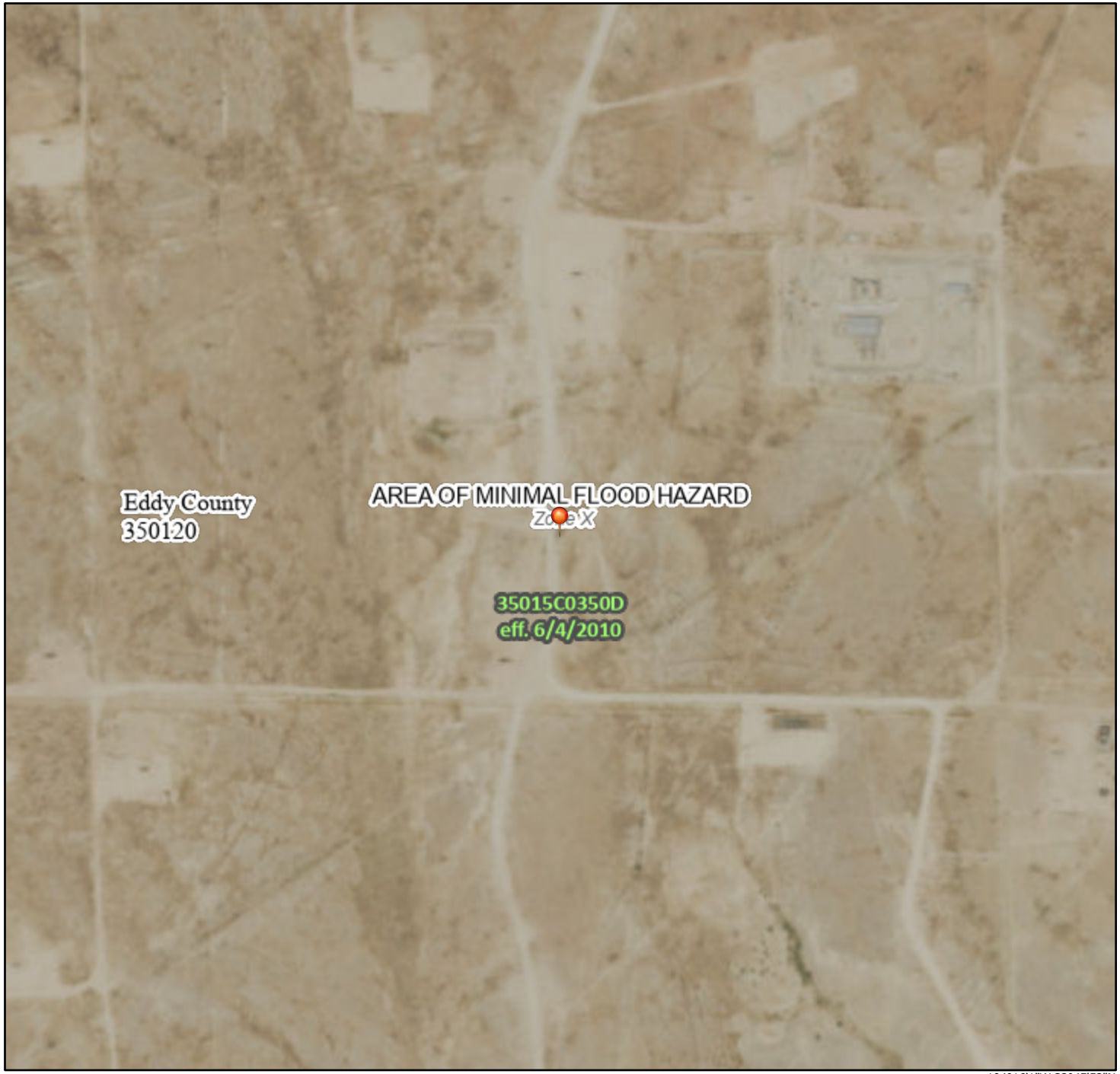
VERSATILITY. EXPERTISE.

Document Path: G:\1-Projects_US PROJECTS\Durango Midstream LLC\22E-00946 - Frontier ABO Plant\Figure X Karst Potential Map Frontier ABO Plant.mxd

National Flood Hazard Layer FIRMette

FEMA

104°16'39"W 32°46'22"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

104°16'1"W 32°45'52"N

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

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
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 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

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 4/6/2022 at 5:01 PM 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.

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Eddy Area, New Mexico

April 6, 2022

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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Contents

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

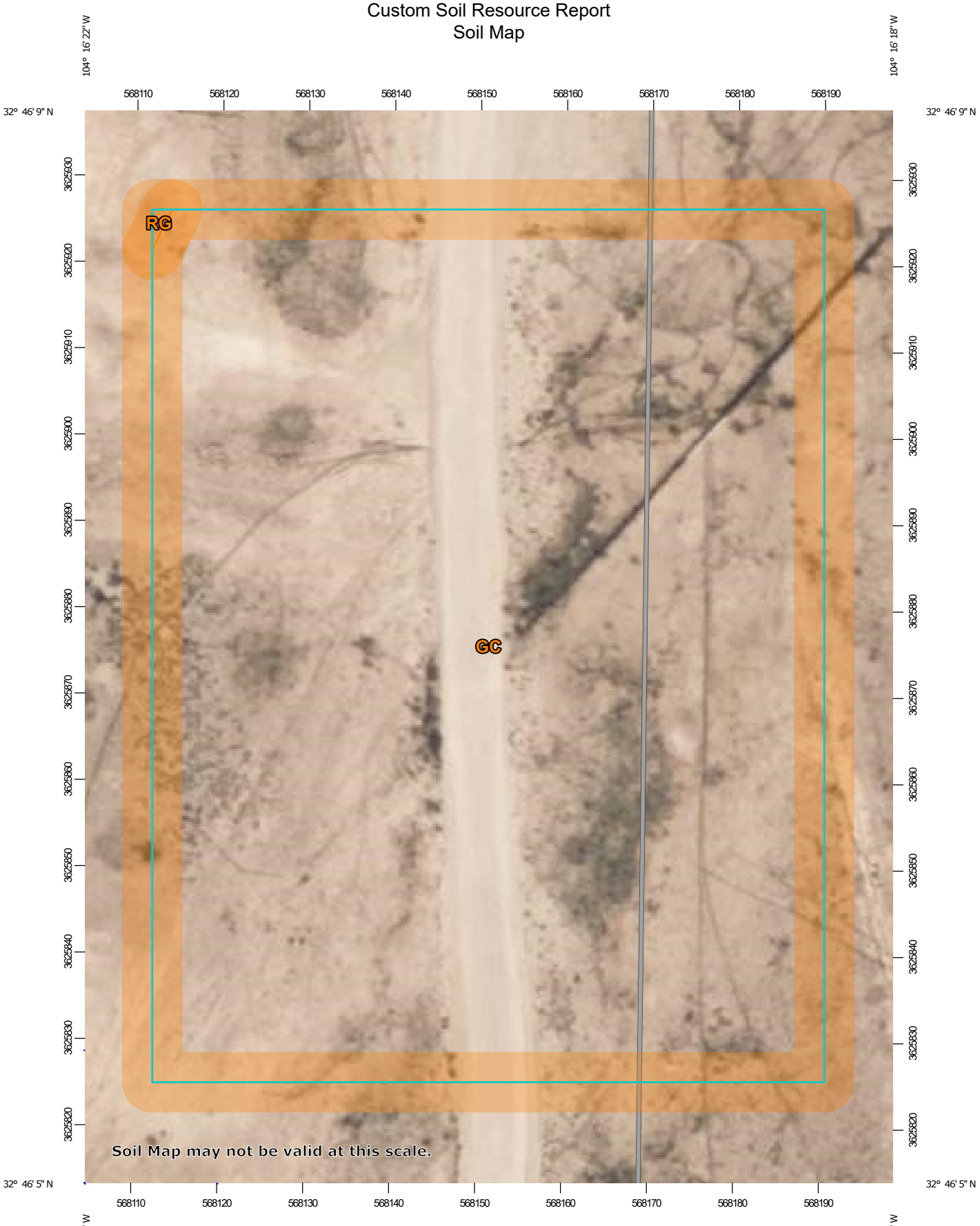
After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map



Map Scale: 1:606 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 5 10 20 30

Feet: 0 25 50 100 150

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 17, Sep 12, 2021

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

Date(s) aerial images were photographed: Feb 27, 2020—Feb 28, 2020

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
GC	Gypsum land-Cottonwood complex, 0 to 3 percent slopes	2.0	99.9%
RG	Reeves-Gypsum land complex, 0 to 3 percent slopes	0.0	0.1%
Totals for Area of Interest		**2.0**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the

development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Eddy Area, New Mexico

GC—Gypsum land-Cottonwood complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4g
Elevation: 1,250 to 5,000 feet
Mean annual precipitation: 10 to 25 inches
Mean annual air temperature: 57 to 66 degrees F
Frost-free period: 190 to 225 days
Farmland classification: Not prime farmland

Map Unit Composition

Gypsum land: 60 percent
Cottonwood and similar soils: 30 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Gypsum Land

Setting

Landform: Ridges, plains, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, crest, nose slope, head slope
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8s
Hydric soil rating: No

Description of Cottonwood

Setting

Landform: Ridges, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, crest, nose slope, head slope
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 60 inches: bedrock

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 3 to 12 inches to paralithic bedrock
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None

Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Gypsum, maximum content: 5 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: D
Ecological site: R042XC006NM - Gyp Upland
Hydric soil rating: No

Minor Components

Cottonwood

Percent of map unit: 5 percent
Ecological site: R042XC033NM - Salty Bottomland
Hydric soil rating: No

Rock outcrop

Percent of map unit: 5 percent
Hydric soil rating: No

RG—Reeves-Gypsum land complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5f
Elevation: 1,250 to 5,000 feet
Mean annual precipitation: 10 to 25 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 190 to 235 days
Farmland classification: Not prime farmland

Map Unit Composition

Reeves and similar soils: 55 percent
Gypsum land: 30 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reeves

Setting

Landform: Ridges, plains, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, crest, nose slope, head slope
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 32 inches: clay loam
H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 25 percent
Gypsum, maximum content: 80 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): 3s
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: B
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Description of Gypsum Land

Setting

Landform: Ridges, plains, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, crest, nose slope, head slope
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8s
Hydric soil rating: No

Minor Components

Largo

Percent of map unit: 5 percent
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Cottonwood

Percent of map unit: 5 percent
Ecological site: R042XC033NM - Salty Bottomland
Hydric soil rating: No

Reagan

Percent of map unit: 5 percent

Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

References

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USDA Natural Resources Conservation Service

Ecological site R042XC006NM
Gyp Upland

Accessed: 04/06/2022

General information

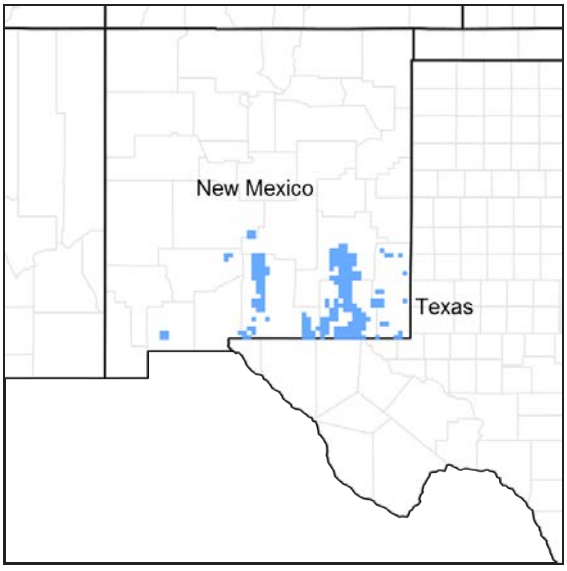

Figure 1. Mapped extent

Areas shown in blue indicate the maximum mapped extent of this ecological site. Other ecological sites likely occur within the highlighted areas. It is also possible for this ecological site to occur outside of highlighted areas if detailed soil survey has not been completed or recently updated.

Table 1. Dominant plant species

Tree	Not specified
Shrub	Not specified
Herbaceous	Not specified

Physiographic features

This site occurs on valley floors, plains, fan piedmonts, piedmont slopes or relic lakebeds on basins. The parent material consists of mixed alluvium and or eolian deposits derived from sedimentary rock or residuum weathered from gypsum. Slopes range from 0 to 35 percent and average less than 8 percent. The soil does not meet hydric critera, the calcium carbonate equivalent with in the control section is less than 20 percent and gypsum percent greater than 40 percent. Elevations range from 2,800 to 5,000 feet.

Table 2. Representative physiographic features

Landforms	(1) Fan piedmont (2) Fan remnant (3) Basin-floor remnant
Flooding duration	Very brief (4 to 48 hours)
Flooding frequency	None to occasional
Ponding duration	Very brief (4 to 48 hours)

Ponding frequency	None to rare
Elevation	2,800–5,000 ft
Slope	0–35%
Aspect	Aspect is not a significant factor

Climatic features

The frost free season ranges from180 to 221 days between early April and late October. The optimum growing season of the major native warm season plants coincides with the summer rains during June, July, August, and September. However, plants can make some growth at any time during the frost free period when moisture is available and minimum daily temperatures stay above 51 degrees F.

Vegetation on this site will be limited to plants which can take advantage of moisture at the time it falls, since the soil profiles have large amounts of available water for short periods of time and then rapidly dry. The majority of precipitation comes in the form of high intensity, short duration thunderstorms. Little or no available moisture can be stored in the soil profiles of this site. Strong winds from the southwest blow during January through June which accelerate soil drying within the plant root zone and further discourage cool season plant growth or occupancy of the site.

Climate data was obtained from http://www.wrcc.sage.dri.edu/summary/climsmnm.html web site using 50% probability for freeze-free and frost-free seasons using 28.5 degrees F and 32.5 degrees F respectively.

Table 3. Representative climatic features

Frost-free period (average)	221 days
Freeze-free period (average)	240 days
Precipitation total (average)	13 in

Influencing water features

This site is not influenced by water from wetlands or streams.

Soil features

Soils are shallow to moderately deep to gypsum material. Surface and subsurface textures range from loam, fine sandy loam or sandy loam. Substratum is a dense layers of soft or cemented gypsum material and gypsiferous earth at various depths. The gypsum materials commonly outcrop to the surface as inclusions of raw gypsumland which are void of vegetation and not part of the ecological site. In the lower part of the profile the semi indurated gypsum and caliche make up about 75 percent of the mass and are restrictive to root development. The plant, soil, air, water relationship is poor. The site has a droughty appearance because of the soils inability to support a dense stand of vegetation. If unprotected by plant cover or organic residue, the soil becomes easily wind blown and water eroded.

Minimum and maximum values listed below represent the characteristic soils for this site.

Characteristic Soils:
Holloman
Alamogordo
Aztec
Cottonwood
McCullough
Malargo
Reeves
Reflection

Yesum

Table 4. Representative soil features

Surface texture	(1) Gypsiferous fine sandy loam (2) Loam (3) Sandy loam
Family particle size	(1) Loamy
Drainage class	Moderately well drained to well drained
Permeability class	Moderately slow to moderate
Soil depth	25–72 in
Surface fragment cover <=3"	0–3%
Surface fragment cover >3"	0–1%
Available water capacity (0-40in)	4–8 in
Calcium carbonate equivalent (0-40in)	5–30%
Electrical conductivity (0-40in)	2–16 mmhos/cm
Sodium adsorption ratio (0-40in)	0–1
Soil reaction (1:1 water) (0-40in)	7.4–8.6
Subsurface fragment volume <=3" (Depth not specified)	0–8%
Subsurface fragment volume >3" (Depth not specified)	0%

Ecological dynamics

Overview

The vegetation of this site often intergrades with that of Loamy sites, depending on the amounts of gypsum, soil texture, and depths of gypsic horizons. Low-lying areas where run-in water occurs behave like draws. Areas where gypsum outcrops are exposed harbor little vegetation. Gyp Uplands may intergrade with the Salt Flats site depending on salinity levels. Thus, the vegetation of this site is very patchy, variable, and difficult to characterize. The historic plant community types that are likely to be associated with the gyp uplands site include 1) an alkali sacaton (*Sporobolus airoides*) and black grama (*Bouteloua eriopoda*) or blue grama (*B. gracilis*)-dominated community associated with soils having relatively deep (> 10 “) gypsic horizons and 2) a gyp grama (*Bouteloua breviseta*) and gyp dropseed (*Sporobolus nealleyi*)-dominated community on soils with shallow (< 10”) gypsic horizons. Tobosa (*Pleuraphis mutica*), burrograss (*Scleropogon brevifolius*), and/or saltbush (*Atriplex canescens*) may also dominate depending on texture, land-use history, or other features. The subshrub Coldenia (Coldenia spp) increasingly dominates sites with very shallow gypsic horizons as grasses decline. Gyp upland sites are susceptible to erosion when vegetation cover is reduced due to drought and overgrazing. Mesquite (*Prosopis glandulosa*) may invade soils with deeper gypsic horizons within the site that are dominated by tobosa or burrograss. Erosion of A horizons bring gypsic horizons closer to the surface and can shift community composition to dominance by gyp dropseed, coldenia, and bare soil.

State and transition model

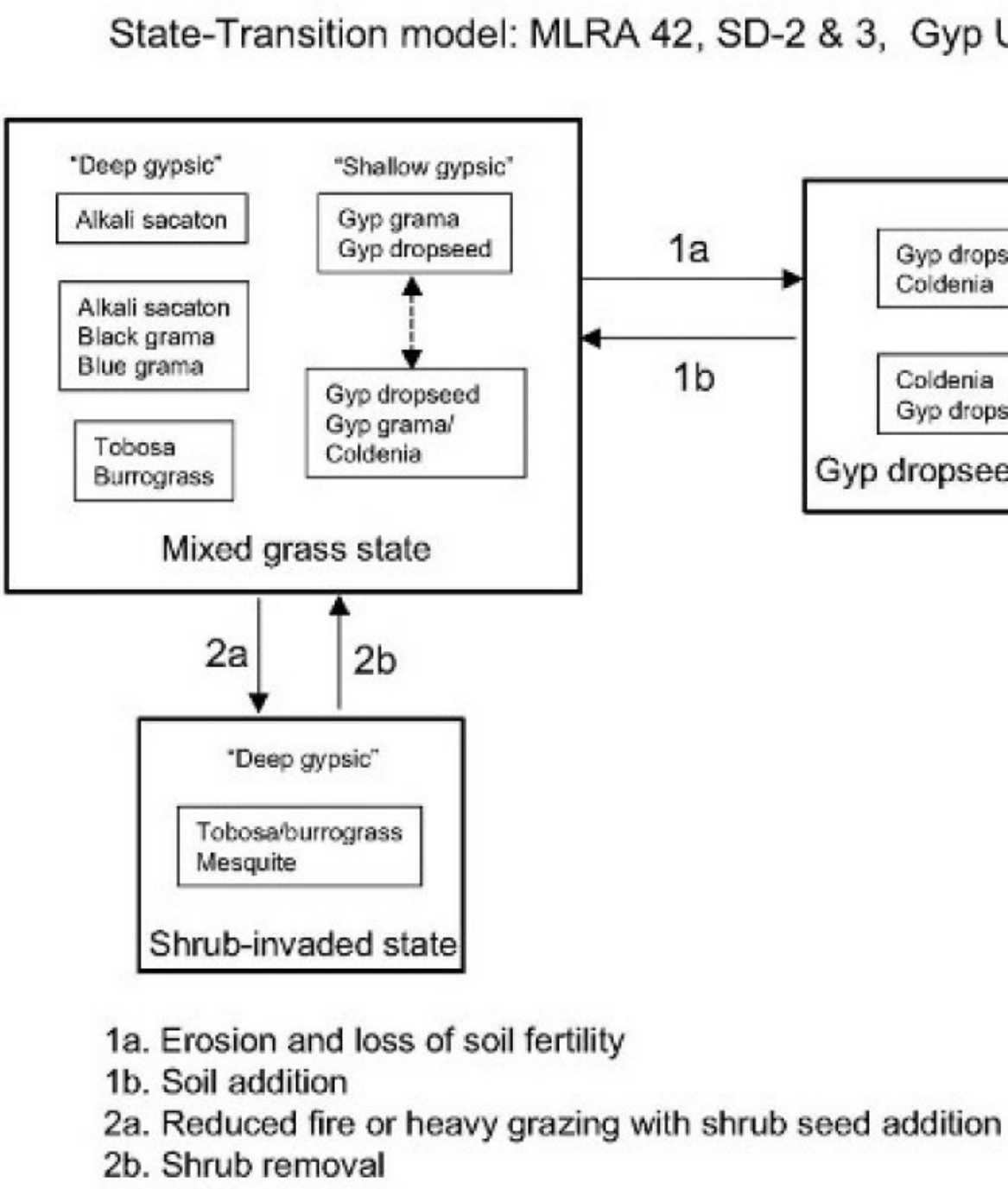

Figure 4.

State 1
Historic Climax Plant Community

Community 1.1
Historic Climax Plant Community

This site has a grassland aspect with patches of bare or lichen covered soil surface exposed between patches of vegetation. The potential plant community is dominated by alkali sacaton, short and mid grass perennials and forbs, with half shrubs and shrubs sparsely and evenly distributed.

Mixed grassland State: Alkali sacaton, black grama, and blue grama (only in SD-3) dominate soils that have relatively deep gypsic horizons that are deeper than 10" (e.g. Reeves series). Saltbush may be an abundant shrub. Alkali sacaton cover may be continuous in run-in settings surrounded by sparsely vegetated areas (alkali sacaton community). On fine-silty or fine loamy calcareous gypsid soils (e.g. Milner or Reeves series), tobosa or burrograss

may be dominant. Dominance by burrograss or tobosa might represent grazing-induced retrogression from an alkali sacaton-grama community type on these soils, but this has not been confirmed. In some cases, saltbush may be extremely dominant, (e.g. Malargo series) but it is not clear why. Gyp grama, black grama, and gyp dropseed dominate soils with shallow gypsic horizons and gyp dropseed, mormon tea (Ephedra spp.), and coldenia tend to dominate where the gypsic horizon is shallowest (< 3”). These communities exhibit low production, perhaps due to the comparatively shallow infiltration in gypsic soil and other chemical properties (Campbell and Campbell 1938). Outcrops of gypsum, often revealing a whitish floury mass at the surface, may be devoid of vegetation. Heavy grazing may reduce grama grasses and increase the dominance of gyp dropseed and coldenia, but it is important to recognize that these plants may dominate some patches without heavy grazing. Soil degradation due to surface compaction and reduced infiltration may be important on this site and result in reduced grass cover. Slight variations in the depth to the gypsic horizon, whether human induced or not, exert a powerful control on plant community composition. Where gypsic horizons are deep, soil texture or soil chemistry may govern composition.

Diagnosis: Soils with deeper gypsic horizons should have continuous grass cover with a high representation of alkali sacaton and black grama. Shallower soils should have gyp grama and black grama but gyp outcrops will be dominated by gyp dropseeds or coldenia. Depending upon the depths to a gypsic horizon, large (< 1 m) bare patches may be common but they should not be common where the depth to gypsic horizon is greater than 5”. This site has a grassland aspect with patches of bare or lichen covered soil surface exposed between patches of vegetation. The potential plant community is dominated by alkali sacaton, short and mid grass perennials and forbs, with half shrubs and shrubs sparsely and evenly distributed.

Table 5. Annual production by plant type

Plant Type	Low (Lb/Acre)	Representative Value (Lb/Acre)	High (Lb/Acre)
Grass/Grasslike	300	470	640
Forb	45	71	96
Shrub/Vine	30	47	64
Total	**375**	**588**	**800**

Table 6. Ground cover

Tree foliar cover	0%
Shrub/vine/liana foliar cover	0%
Grass/grasslike foliar cover	25%
Forb foliar cover	0%
Non-vascular plants	0%
Biological crusts	0%
Litter	16%
Surface fragments >0.25" and <=3"	0%
Surface fragments >3"	0%
Bedrock	0%
Water	0%
Bare ground	57%

Figure 6. Plant community growth curve (percent production by month). NM2806, R042XC006NM Gyp Upland HCPC. R042XC006NM Gyp Upland HCPC Warm Season Plant Community.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	0	5	10	10	25	30	15	5	0	0

State 2
Transition to gyp dropseed

Community 2.1
Transition to gyp dropseed

Transition to gyp dropseed state (1a): Reduced grass cover caused by poor grazing management and/or drought may result in erosion of surface horizons. As the depth to the gypsic horizon decreases, plant communities will become increasingly dominated by gyp dropseed and/or coldenia. Mechanical disturbance of the soil surface and soil degradation may contribute to this effect.

Key indicators of approach to transition: Increased bare ground, pedestalling, water flow patterns, blowouts, and eventually the loss of the A horizon.

State 3
Transition to shrub-invaded state

Community 3.1
Transition to shrub-invaded state

Transition to shrub-invaded state (2a): Reduced grass cover in deep gypsic soils may result in mesquite invasion.

Key indicators of approach to transition: Increasing bare ground, presence of mesquite seedlings.

Shrub-invaded: On deep gypsic soils and soils with less strong gypsic horizons (i.e. have a lower percentage of gypsum) within this site, mesquite may invade and cause some reduction in grass cover due to competition with grasses. These communities are dominated by tobosa or burrograss. Saltbush may also be an important component. It is not known if shrub presence and resulting erosion may result in the loss of dominant perennial grasses across broad areas on gypsic soils. As soil characteristics grade toward those of the loamy ecological site, widespread grass loss may be increasingly probable.

Diagnosis: Moderate densities of mesquite, bare ground patches associated with mesquite patches.

State 4
Transition to mixed grassland (2b)

Community 4.1
Transition to mixed grassland (2b)

Transition to mixed grassland (2b): Shrub removal may result in the eventual recovery of perennial grasses.

Gyp dropseed: These communities are dominated by gyp dropseed or coldenia, and often exhibit high amounts of bare ground and exposed gypsum at the surface. Gyp grama, black grama, and alkali sacaton may persist in small patches, especially in low-lying spots receiving run-in water and/or in which soils are protected from erosion. The frequency with which these community types represent degradation from mixed grassland due to poor management versus “natural” is unknown. The conditions under which gyp dropseed and coldenia dominate are unknown.

Diagnosis: Dominance by gyp dropseed or coldenia, high amounts of bare ground, sometimes associated with a high cover of microbiotic crusts.

State 5
Transition to mixed grassland (1b)

Community 5.1
Transition to mixed grassland (1b)

Transition to mixed grassland (1b): Restoration or recovery of a non-gypsic A horizon would be required.

Information sources and theoretical background: Communities, states, and transitions are based upon information in the ecological site description and observations by Brandon Bestelmeyer, Jornada Experimental Range and David Trujillo, NRCS. Information on the the role of gypsum in concert with soil chemical features in determining plant composition is sorely needed.

Additional community tables

Table 7. Community 1.1 plant community composition

Group	Common Name	Symbol	Scientific Name	Annual Production (Lb/Acre)	Foliar Cover (%)
Grass/Grasslike					
1	**Warm Season**			266–323	
	alkali sacaton	SPAI	*Sporobolus airoides*	266–323	–
2	**Warm Season**			29–88	
	black grama	BOER4	*Bouteloua eriopoda*	29–88	–
3	**Warm Season**			6–59	
	gypsum grama	BOBR	*Bouteloua breviseta*	6–59	–
4	**Warm Season**			18–88	
	bush muhly	MUPO2	*Muhlenbergia porteri*	18–88	–
	plains bristlegrass	SEVU2	*Setaria vulpiseta*	18–88	–
5	**Warm Season**			6–18	
	gyp dropseed	SPNE	*Sporobolus nealleyi*	6–18	–
6	**Warm Season**			6–18	
	sand dropseed	SPCR	*Sporobolus cryptandrus*	6–18	–
7	**Warm Season**			6–18	
	blue grama	BOGR2	*Bouteloua gracilis*	6–18	–
8	**Warm Season**			18–88	
	threeawn	ARIST	*Aristida*	18–88	–
	low woollygrass	DAPU7	*Dasyochloa pulchella*	18–88	–
	ear muhly	MUAR	*Muhlenbergia arenacea*	18–88	–
Shrub/Vine					
9	**Shrub**			18–41	
	fourwing saltbush	ATCA2	*Atriplex canescens*	18–41	–
	jointfir	EPHED	*Ephedra*	18–41	–
	littleleaf sumac	RHMI3	*Rhus microphylla*	18–41	–
10	**Shrub**			6–18	
	javelina bush	COER5	*Condalia ericoides*	6–18	–
	knifeleaf condalia	COSP3	*Condalia spathulata*	6–18	–
	crown of thorns	KOSP	*Koeberlinia spinosa*	6–18	–
11	**Cactus**			6–18	
	pricklypear	OPUNT	*Opuntia*	6–18	–
	yucca	YUCCA	*Yucca*	6–18	–
Forb					
12	**Forb**			29–59	

	woody crinklemat	TICAC	*Tiquilia canescens var. canescens*	29–59	–
13	**Forb**			6–88	
	Forb, annual	2FA	*Forb, annual*	6–88	–
	trailing windmills	ALIN	*Allionia incarnata*	6–88	–
	daisy	CHRYS2	*Chrysanthemum*	6–88	–
	golden tickseed	COTI3	*Coreopsis tinctoria*	6–88	–
	leatherweed	CRPOP	*Croton pottsii var. pottsii*	6–88	–
	Seven River Hills buckwheat	ERGY	*Eriogonum gypsophilum*	6–88	–
	blazingstar	MENTZ	*Mentzelia*	6–88	–
	fiddleleaf	NAMA4	*Nama*	6–88	–
	whitest evening primrose	OEAL	*Oenothera albicaulis*	6–88	–
	beardtongue	PENST	*Penstemon*	6–88	–
	Texan phacelia	PHINT	*Phacelia integrifolia var. texana*	6–88	–
	white milkwort	POAL4	*Polygala alba*	6–88	–
	desert unicorn-plant	PRAL4	*Proboscidea althaeifolia*	6–88	–
	whitestem paperflower	PSCO2	*Psilostrophe cooperi*	6–88	–
	threadleaf ragwort	SEFLF	*Senecio flaccidus var. flaccidus*	6–88	–
	Hopi tea greenthread	THME	*Thelesperma megapotamicum*	6–88	–

Animal community

This site provides habitats which support a resident animal community that is characterized by coyote, hooded skunk, desert cottontail, whitethroated woodrat, sparrow hawk, cactus wern, scaled quail, logggerhead shrike, mourning dove, and a number of ground nesting birds including, varied bunting, grasshopper sparrow, and Baird's sparrow Texas horned lizard, lesser earless lizard, and western diamondback rattlesnake.

Fourwing saltbush, littleleaf sumac, spiny allthorn, common javilinabush, and knifeleaf condalia provide protective cover for scaled quail. Seed, green herbage and fruit from a variety of grasses, forbs and shrubs provide food for a number of birds and mamals, including scaled and Gambel’s quail, mourning dove and prairie dogs. The fruit of tesajo cactus is relished by quail.

Hydrological functions

The runoff curve numbers are determined by field investigations using hydraulic cover conditions and hydrologic soil groups.

Hydrologic Interpretations
Soil Series Hydrologic Group
Cottonwood C
Holloman C
Yesum B
Alamogordo B
Aztec C
Malargo B
Reeves C
Reflection B

Recreational uses

This site offers recreation potential for hiking, horseback riding, rock, gem, and mineral collecting, nature observation and photography, and quail, dove, and predator hunting.
During years of abundant moisture, a colorful array of wildflowers can be observed from spring through fall.

Wood products

This site provides little or no wood products other than curiosities and small furniture which can be made from the roots and stems of mesquite where it has invaded the site. The woody pods of devils claw are also used in curiosities.

Other products

This site is suitable for grazing during all seasons of the year. Care must be taken to leave enough vegetation cover for soil protection during windy and rainy periods or severe soil erosion will result. About 300 pounds per acre of total vegetation and litter is minimal for soil protection. This site is best suited and most efficiently utilized by cattle. It can also be utilized by small numbers of goats and sheep in combination with cattle where control or protection from predators can be provided. Grazing management that results in a mosaic of use patterns provides diversity for wildlife.

Other information

Guide to Suggested Initial Stocking Rate Acres per Animal Unit Month

Similarity Index Ac/AUM
100 - 76 5.5 – 8.0
75 – 51 7.5 – 11.0
50 – 26 11.0 – 15.0
25 – 0 25.0 +

Type locality

Location 1: Eddy County, NM	
Township/Range/Section	T26S R24E S27

Other references

Contributors

Don Sylvester
Dr. Brandon Bestelmeyer

Rangeland health reference sheet

Interpreting Indicators of Rangeland Health is a qualitative assessment protocol used to determine ecosystem condition based on benchmark characteristics described in the Reference Sheet. A suite of 17 (or more) indicators are typically considered in an assessment. The ecological site(s) representative of an assessment location must be known prior to applying the protocol and must be verified based on soils and climate. Current plant community cannot be used to identify the ecological site.

Author(s)/participant(s)	
Contact for lead author	

Date	
Approved by	
Approval date	
Composition (Indicators 10 and 12) based on	Annual Production

Indicators

1. **Number and extent of rills:**

2. **Presence of water flow patterns:**

3. **Number and height of erosional pedestals or terracettes:**

4. **Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground):**

5. **Number of gullies and erosion associated with gullies:**

6. **Extent of wind scoured, blowouts and/or depositional areas:**

7. **Amount of litter movement (describe size and distance expected to travel):**

8. **Soil surface (top few mm) resistance to erosion (stability values are averages - most sites will show a range of values):**

9. **Soil surface structure and SOM content (include type of structure and A-horizon color and thickness):**

10. **Effect of community phase composition (relative proportion of different functional groups) and spatial distribution on infiltration and runoff:**

11. **Presence and thickness of compaction layer (usually none; describe soil profile features which may be mistaken for compaction on this site):**

12. **Functional/Structural Groups (list in order of descending dominance by above-ground annual-production or live foliar cover using symbols: >>, >, = to indicate much greater than, greater than, and equal to):**

Dominant:

Sub-dominant:

Other:

Additional:

---

13. **Amount of plant mortality and decadence (include which functional groups are expected to show mortality or decadence):**

---

14. **Average percent litter cover (%) and depth (in):**

---

15. **Expected annual annual-production (this is TOTAL above-ground annual-production, not just forage annual-production):**

---

16. **Potential invasive (including noxious) species (native and non-native). List species which BOTH characterize degraded states and have the potential to become a dominant or co-dominant species on the ecological site if their future establishment and growth is not actively controlled by management interventions. Species that become dominant for only one to several years (e.g., short-term response to drought or wildfire) are not invasive plants. Note that unlike other indicators, we are describing what is NOT expected in the reference state for the ecological site:**

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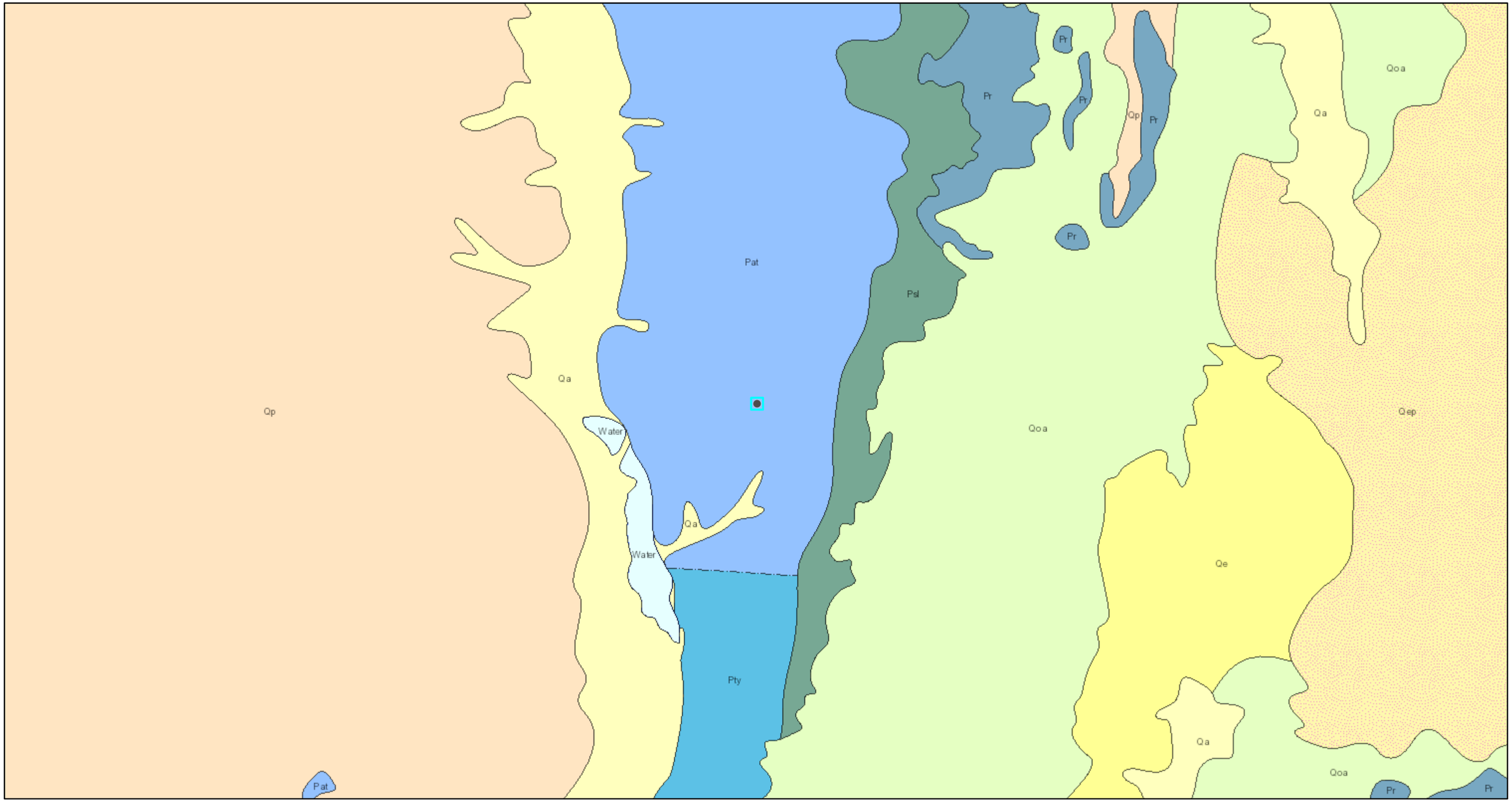
17. **Perennial plant reproductive capability:**

ArcGIS Web Map



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0 1.5 3 6 mi

0 2.25 4.5 9 km

Lithologic Units

- Playa—Alluvium and evaporite deposits (Holocene)
- Water—Perenial standing water
- Qa—Alluvium (Holocene to upper Pleistocene)
- Ql—Landslide deposits and colluvium (Holocene to Pleistocene) — Landslide deposits on western flanks of Socorro Mountains not shown for clarity
- Qpl—Lacustrine and playa deposits (Holocene) — Includes associated alluvial and eolian deposits of major lake basins
- Qp—Piedmont alluvial deposits (Holocene to lower Pleistocene)
- Qe—Eolian deposits (Holocene to middle Pleistocene)
- Qeg—Gypsiferous eolian deposits (Holocene to middle Pleistocene)

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS

ArcGIS Web AppBuilder

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line

ATTACHMENT 5

Client Name: Durango Midstream
Site Name: ABO Plant W
NMOCD Tracking #: nAPP2207742550
Project #: 22E-00946
Lab Reports: E210061, E211020, E211021, E211022, E211116

Table 2. Confirmatory Sample Field Screen and Laboratory Results - Depth to Groundwater <50 feet bgs

Sample Description			Field Screening			Petroleum Hydrocarbons							Inorganic
						Volatile		Extractable					
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BES22-01	22'	10/11/2022	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND
BES22-02	22'	10/11/2022	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND
BES22-03	22'	2022-10-11	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND
BES22-04	10'	2022-10-27	-	27	415	ND	ND	ND	ND	ND	ND	ND	41
BES22-05	10'	2022-10-27	-	8	363	ND	ND	ND	ND	ND	ND	ND	41.2
BES22-06	10'	2022-10-27	-	17	392	ND	ND	ND	ND	ND	ND	ND	40.5
BES22-07	10'	2022-10-27	-	23	320	ND	ND	ND	ND	ND	ND	ND	40.7
BES22-08	6'	2022-10-27	-	32	300	ND	ND	ND	ND	ND	ND	ND	47.7
BES22-09	6'	2022-10-27	-	52	285	ND	ND	ND	ND	ND	ND	ND	55.9
BES22-10	6'	2022-10-27	-	48	347	ND	ND	**51500**	ND	ND	**51500**	**51500**	62.3
	7'	2022-11-16	-	27	440	ND	ND	**ND**	ND	ND	**ND**	**ND**	ND
BES22-11	6'	2022-10-27	-	35	412	ND	ND	ND	ND	ND	ND	ND	49.1
WES22-01	0-5'	2022-10-27	-	37	280	ND	ND	ND	ND	ND	ND	ND	ND
	5-10'	2022-10-27	-	390	157	ND	ND	ND	**259**	**216**	**259**	**475**	ND
	10-15'	2022-10-27	-	375	265	ND	ND	ND	**193**	**175**	**193**	**368**	ND
	15-20'	2022-10-27	-	90	230	ND	ND	ND	ND	ND	ND	ND	ND
	20-22'	2022-10-27	-	82	235	ND	ND	ND	ND	ND	ND	ND	201
WES22-02	0-5'	2022-10-27	-	72	312	ND	ND	ND	ND	ND	ND	ND	ND
	5-10'	2022-10-27	-	58	182	ND	ND	ND	ND	ND	ND	ND	ND
	10-15'	2022-10-27	-	63	282	ND	ND	ND	ND	ND	ND	ND	ND
	15-20'	2022-10-27	-	75	273	ND	ND	ND	ND	ND	ND	ND	ND
	20-22'	2022-10-27	-	55	290	ND	ND	ND	ND	ND	ND	ND	ND
WES22-03	0-5'	2022-10-27	-	42	190	ND	ND	ND	ND	ND	ND	ND	ND
	5-10'	2022-10-27	-	70	210	ND	ND	ND	ND	ND	ND	ND	ND
	10-15'	2022-10-27	-	23	212	ND	ND	ND	ND	ND	ND	ND	ND
	15-20'	2022-10-27	-	27	282	ND	ND	ND	ND	ND	ND	ND	ND
	20-22'	2022-10-27	-	69	290	ND	ND	ND	ND	ND	ND	ND	ND
WES22-04	0-5'	2022-10-27	-	47	212	ND	ND	ND	ND	ND	ND	ND	ND
	5-10'	2022-10-27	-	27	195	ND	ND	ND	ND	ND	ND	ND	29.1
	10-15'	2022-10-27	-	34	213	ND	ND	ND	ND	ND	ND	ND	108
	15-20'	2022-10-27	-	30	220	ND	ND	ND	ND	ND	ND	ND	29.1
	20-22'	2022-10-27	-	80	280	ND	ND	ND	ND	ND	ND	ND	208
WES22-05	0-5'	2022-10-28	-	82	282	ND	ND	ND	ND	ND	ND	ND	87
	5-10'	2022-10-28	-	78	262	ND	ND	ND	ND	ND	ND	ND	ND
	10-15'	2022-10-28	-	64	247	ND	ND	ND	ND	ND	ND	ND	ND
	15-20'	2022-10-28	-	20	263	ND	ND	ND	ND	ND	ND	ND	118
	20-22'	2022-10-28	-	22	191	ND	ND	ND	ND	ND	ND	ND	ND
WES22-06	0-5'	2022-10-28	-	35	171	ND	ND	ND	ND	ND	ND	ND	ND
	5-10'	2022-10-28	-	65	257	ND	ND	ND	ND	ND	ND	ND	ND
WES22-07	0-3'	2022-10-28	-	68	290	ND	ND	ND	ND	ND	ND	ND	28.9
	3-6'	2022-10-28	-	27	312	ND	ND	ND	ND	ND	ND	ND	ND
WES22-08	0-3'	2022-10-28	-	75	324	ND	ND	ND	ND	ND	ND	ND	ND
	3-6'	2022-10-28	-	47	225	ND	ND	ND	ND	ND	ND	ND	95.7
WES22-09	0-3'	2022-10-28	-	70	215	ND	ND	ND	ND	ND	ND	ND	ND
	3-6'	2022-10-28	-	64	247	ND	ND	ND	ND	ND	ND	ND	ND
WES22-10	0-3'	2022-10-28	-	68	191	ND	ND	ND	ND	ND	ND	ND	ND
	3-6'	2022-10-28	-	84	240	ND	ND	ND	ND	ND	ND	ND	ND
WES22-11	0-3'	2022-10-28	-	65	242	ND	ND	ND	ND	ND	ND	ND	ND
	3-6'	2022-10-28	-	42	280	ND	ND	ND	ND	ND	ND	ND	107
WES22-12	0-5'	2022-10-28	-	23	282	ND	ND	ND	ND	ND	ND	ND	28.9
	5-10'	2022-10-28	-	69	247	ND	ND	ND	ND	ND	ND	ND	ND

Client Name: Durango Midstream
Site Name: ABO Plant W
NMOCD Tracking #: nAPP2207742550
Project #: 22E-00946
Lab Reports: E210061, E211020, E211021, E211022, E211116

Table 2. Confirmatory Sample Field Screen and Laboratory Results - Depth to Groundwater <50 feet bgs

Sample Description			Field Screening			Petroleum Hydrocarbons							Inorganic
						Volatile		Extractable					
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
WES22-13	6-10'	2022-10-28	-	64	215	ND	ND	ND	ND	ND	ND	ND	202
WES22-14	10-15'	2022-10-28	-	52	220	ND	ND	ND	ND	ND	ND	ND	122
	15-20'	2022-10-28	-	68	182	ND	ND	ND	ND	ND	ND	ND	122
	20-22'	2022-10-28	-	47	215	ND	ND	ND	ND	ND	ND	ND	41.6

"ND" Not Detected at the Reporting Limit
"-" indicates not analyzed/assessed
Bold and grey shaded indicates exceedance outside of NMOCD Closure Criteria
Bold and green shaded indicates resampling and under NMOCD Closure Criteria

ATTACHMENT 6

Sally Carttar

From: Dhugal Hanton <vertexresourcegroupusa@gmail.com>
Sent: April 14, 2022 3:05 PM
To: Monica Peppin
Subject: Fwd: nAPP2207742550 Abo Plant 48 HR Notification of Confirmation Sampling

---------- Forwarded message ---------
From: **Dhugal Hanton** <vertexresourcegroupusa@gmail.com>
Date: Thu, Apr 14, 2022 at 3:03 PM
Subject: nAPP2207742550 Abo Plant 48 HR Notification of Confirmation Sampling
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>, CFO_Spill, BLM_NM <blm_nm_cfo_spill@blm.gov>

All,

Please accept this email as 48-hr notification that Vertex Resource Services has scheduled confirmatory sampling to be conducted for the following releases:

nAPP2207742550 DOR: 2/24/2022 Site Name: Abo Plant W. Inlet 12" Poly Line

This work will be completed on behalf of Frontier Field Services, LLC.

On Tuesday, April 19, 2022 at approximately 9:00 a.m., Jason Crabtree will be on site to conduct confirmatory sampling and will go into Wednesday April 20, 2022. If you need directions to the site, please do not hesitate to contact him. If you have any questions or concerns regarding this notification, please give me a call at 575-361-9880.

Thank you,

Monica Peppin
Sr. Environmental Technician

Vertex Resource Services Inc.
3101 Boyd Drive,
Carlsbad, NM 88220

P 575.725.5001 Ext. 711
C 575.361.9880
F

www.vertex.ca

Sally Carttar

From: Dhugal Hanton <vertexresourcegroupusa@gmail.com>
Sent: August 12, 2022 1:27 PM
To: CFO_Spill, BLM_NM; Enviro, OCD, EMNRD
Cc: mmoffit@vertex.ca; agroves@durangomidstream.com
Subject: nAPP2207742550 48 HR Notification Confirmation Sampling ABO Plant

All,

Please accept this email as 48-hr notification that Vertex Resource Services has scheduled a confirmatory sampling to be conducted for the following release:

nAPP2207742550 DOR: 2/24/2022 Site Name: Abo Plant W. Inlet 12" Poly Line

This work will be completed on behalf of Frontier Field Services, LLC

On Tuesday, August 16, 2022 through August 18, 2022 at approximately 8:00 a.m., Michael Barnes will be on site to conduct confirmatory sampling to assess the release listed above. He can be reached at 575-361-2689. If you need directions to the site, please do not hesitate to contact him. If you have any questions or concerns regarding this notification, please give me a call at 575-361-9880.

Thank you,

Monica Peppin
Project Manager

Vertex Resource Services Inc.
3101 Boyd Drive,
Carlsbad, NM 88220

P 575.725.5001 Ext. 711
C 575.361.9880
F

www.vertex.ca


ReplyReply allForward

Monica Peppin

From: Dhugal Hanton <vertexresourcegroupusa@gmail.com>
Sent: September 19, 2022 4:28 PM
To: CFO_Spill, BLM_NM; Enviro, OCD, EMNRD
Cc: agroves@durangomidstream.com; Monica Peppin
Subject: 48 HR Notification Abo Plant W. Inlet Confirmatory Sampling

All,

Please accept this email as 48-hr notification that Vertex Resource Services has scheduled a confirmatory sampling to be conducted for the following release:

nAPP2207742550 DOR: 2/24/2022 Site Name: Abo Plant W. Inlet 12" Poly Line

This work will be completed on behalf of Frontier Field Services, LLC

On Thursday, September 22, 2022 at approximately 8:00 a.m., Monica Peppin will be on site to conduct confirmatory sampling to assess the release listed above. She can be reached at 575-361-9880. If you need directions to the site, please do not hesitate to contact her. If you have any questions or concerns regarding this notification, please give me a call at 575-361-9880.

Thank you,

Monica Peppin
Project Manager

Vertex Resource Services Inc.
3101 Boyd Drive,
Carlsbad, NM 88220

P 575.725.5001 Ext. 711
C 575.361.9880
F

www.vertex.ca

Monica Peppin

From: Dhugal Hanton <vertexresourcegroupusa@gmail.com>
Sent: October 7, 2022 9:06 AM
To: CFO_Spill, BLM_NM; Enviro, OCD, EMNRD
Cc: Monica Peppin; agroves@durangomidstream.com
Subject: nAPP2207742550 48 HR Confirmatory Sample Notification Abo Plant

All,

Please accept this email as 48-hr notification that Vertex Resource Services has scheduled a confirmatory sampling to be conducted for the following release:

nAPP2207742550 DOR: 2/24/2022 Site Name: Abo Plant W. Inlet 12" Poly Line

This work will be completed on behalf of Frontier Field Services, LLC

On Tuesday, October 11, 2022 through Friday, October 14, 2022 at approximately 8:00 a.m., McKitric Weir will be on site to conduct confirmatory sampling to assess the release listed above. He can be reached at 575-361-9639. If you need directions to the site, please do not hesitate to contact him. If you have any questions or concerns regarding this notification, please give me a call at 575-361-9880.

Thank you,

Monica Peppin
Project Manager

Vertex Resource Services Inc.
3101 Boyd Drive,
Carlsbad, NM 88220

P 575.725.5001 Ext. 711
C 575.361.9880
F

www.vertex.ca

Monica Peppin

From: Dhugal Hanton <vertexresourcegroupusa@gmail.com>
Sent: October 20, 2022 1:33 PM
To: CFO_Spill, BLM_NM; Enviro, OCD, EMNRD
Cc: Monica Peppin; agroves@durangomidstream.com
Subject: nAPP2207742550 48 HR Confirmatory Sample Notification Abo Plant

All,

Please accept this email as 48-hr notification that Vertex Resource Services has scheduled a confirmatory sampling to be conducted for the following release:

nAPP2207742550 DOR: 2/24/2022 Site Name: Abo Plant W. Inlet 12" Poly Line

This work will be completed on behalf of Frontier Field Services, LLC

On Thursday, October 27, 2022 through Friday, October 28, 2022 at approximately 8:00 a.m., McKitric Weir and Monica Peppin will be onsite to conduct additional confirmatory sampling to assess the release listed above. He can be reached at 575-361-9639. If you need directions to the site, please do not hesitate to contact him. If you have any questions or concerns regarding this notification, please give me a call at 575-361-9880.

Thank you,

Monica Peppin
Project Manager

Vertex Resource Services Inc.
3101 Boyd Drive,
Carlsbad, NM 88220

P 575.725.5001 Ext. 711
C 575.361.9880
F

www.vertex.ca

Monica Peppin

From: Dhugal Hanton <vertexresourcegroupusa@gmail.com>
Sent: November 10, 2022 3:55 PM
To: CFO_Spill, BLM_NM; Enviro, OCD, EMNRD
Cc: Monica Peppin; agroves@durangomidstream.com
Subject: nAPP2207742550 48 HR Confirmatory Sample Notice Abo Plant

All,

Please accept this email as 48-hr notification that Vertex Resource Services has scheduled a confirmatory sampling to be conducted for the following release:

nAPP2207742550 DOR: 2/24/2022 Site Name: Abo Plant W. Inlet 12" Poly Line

This work will be completed on behalf of Frontier Field Services, LLC

On Wednesday, November 16, 2022 at approximately 8:00 a.m., McKitric Weir will be onsite to conduct additional confirmatory sampling to assess the release listed above. He can be reached at 575-361-9639. If you need directions to the site, please do not hesitate to contact him. If you have any questions or concerns regarding this notification, please give me a call at 575-361-9880.

Thank you,

Monica Peppin
Project Manager

Vertex Resource Services Inc.
3101 Boyd Drive,
Carlsbad, NM 88220

P 575.725.5001 Ext. 711
C 575.361.9880
F

www.vertex.ca

ATTACHMENT 7

Report to:

Michael Moffit

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Durango Midstream

Project Name:	ABO Plant W
Work Order:	E210061
Job Number:	21080-0001
Received:	10/13/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/19/22

Date Reported: 10/19/22

Michael Moffit
10077 Grogans Mill Rd Ste 300
The Woodlands, TX 77380

Project Name: ABO Plant W
Workorder: E210061
Date Received: 10/13/2022 10:30:00AM

Michael Moffit,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/13/2022 10:30:00AM, under the Project Name: ABO Plant W.

The analytical test results summarized in this report with the Project Name: ABO Plant W apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Durango Midstream	Project Name:	ABO Plant W	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Michael Moffit	10/19/22 15:00

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS22 - 01 22'	E210061-01A	Soil	10/11/22	10/13/22	Glass Jar, 4 oz.
BS22 - 02 22'	E210061-02A	Soil	10/11/22	10/13/22	Glass Jar, 4 oz.
BS22 - 03 22'	E210061-03A	Soil	10/11/22	10/13/22	Glass Jar, 4 oz.

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	10/19/2022 3:00:17PM

BS22 - 01 22'

E210061-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2242063
Benzene	ND	0.0250	1	10/13/22	10/14/22	
Ethylbenzene	ND	0.0250	1	10/13/22	10/14/22	
Toluene	ND	0.0250	1	10/13/22	10/14/22	
o-Xylene	ND	0.0250	1	10/13/22	10/14/22	
p,m-Xylene	ND	0.0500	1	10/13/22	10/14/22	
Total Xylenes	ND	0.0250	1	10/13/22	10/14/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*10/13/22*	*10/14/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2242063
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/22	10/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*78.6 %*	*70-130*	*10/13/22*	*10/14/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242065
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/14/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*10/14/22*	*10/14/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2242056
Chloride	ND	200	10	10/13/22	10/14/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	10/19/2022 3:00:17PM

BS22 - 02 22'

E210061-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2242063
Benzene	ND	0.0250	1	10/13/22	10/14/22	
Ethylbenzene	ND	0.0250	1	10/13/22	10/14/22	
Toluene	ND	0.0250	1	10/13/22	10/14/22	
o-Xylene	ND	0.0250	1	10/13/22	10/14/22	
p,m-Xylene	ND	0.0500	1	10/13/22	10/14/22	
Total Xylenes	ND	0.0250	1	10/13/22	10/14/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*10/13/22*	*10/14/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2242063
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/22	10/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.0 %*	*70-130*	*10/13/22*	*10/14/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242065
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/14/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*10/14/22*	*10/14/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2242056
Chloride	ND	200	10	10/13/22	10/14/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	10/19/2022 3:00:17PM

BS22 - 03 22'

E210061-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2242063
Benzene	ND	0.0250	1	10/13/22	10/14/22	
Ethylbenzene	ND	0.0250	1	10/13/22	10/14/22	
Toluene	ND	0.0250	1	10/13/22	10/14/22	
o-Xylene	ND	0.0250	1	10/13/22	10/14/22	
p,m-Xylene	ND	0.0500	1	10/13/22	10/14/22	
Total Xylenes	ND	0.0250	1	10/13/22	10/14/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*10/13/22*	*10/14/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2242063
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/22	10/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*80.0 %*	*70-130*	*10/13/22*	*10/14/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242065
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/14/22	
Surrogate: n-Nonane		*114 %*	*50-200*	*10/14/22*	*10/14/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2242056
Chloride	ND	200	10	10/13/22	10/14/22	

QC Summary Data

Durango Midstream	Project Name:	ABO Plant W	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Michael Moffit	10/19/2022 3:00:17PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2242063-BLK1)									Prepared: 10/13/22 Analyzed: 10/14/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.39*		*8.00*		*105*	*70-130*			
LCS (2242063-BS1)									Prepared: 10/13/22 Analyzed: 10/14/22
Benzene	4.95	0.0250	5.00		99.0	70-130			
Ethylbenzene	4.86	0.0250	5.00		97.1	70-130			
Toluene	5.02	0.0250	5.00		100	70-130			
o-Xylene	5.01	0.0250	5.00		100	70-130			
p,m-Xylene	9.81	0.0500	10.0		98.1	70-130			
Total Xylenes	14.8	0.0250	15.0		98.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.28*		*8.00*		*104*	*70-130*			
Matrix Spike (2242063-MS1)				**Source: E210060-04**					Prepared: 10/13/22 Analyzed: 10/14/22
Benzene	4.89	0.0250	5.00	ND	97.9	54-133			
Ethylbenzene	4.83	0.0250	5.00	ND	96.5	61-133			
Toluene	4.97	0.0250	5.00	ND	99.5	61-130			
o-Xylene	4.96	0.0250	5.00	ND	99.2	63-131			
p,m-Xylene	9.77	0.0500	10.0	ND	97.7	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	98.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.12*		*8.00*		*102*	*70-130*			
Matrix Spike Dup (2242063-MSD1)				**Source: E210060-04**					Prepared: 10/13/22 Analyzed: 10/19/22
Benzene	4.72	0.0250	5.00	ND	94.5	54-133	3.58	20	
Ethylbenzene	4.86	0.0250	5.00	ND	97.1	61-133	0.616	20	
Toluene	4.92	0.0250	5.00	ND	98.5	61-130	0.998	20	
o-Xylene	5.00	0.0250	5.00	ND	100	63-131	0.871	20	
p,m-Xylene	9.86	0.0500	10.0	ND	98.6	63-131	1.01	20	
Total Xylenes	14.9	0.0250	15.0	ND	99.1	63-131	0.962	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.29*		*8.00*		*104*	*70-130*			

QC Summary Data

Durango Midstream	Project Name:	ABO Plant W	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Michael Moffit	10/19/2022 3:00:17PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2242063-BLK1)									Prepared: 10/13/22 Analyzed: 10/14/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.68*		*8.00*		*96.0*	*70-130*			
LCS (2242063-BS2)									Prepared: 10/13/22 Analyzed: 10/14/22
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.70*		*8.00*		*96.3*	*70-130*			
Matrix Spike (2242063-MS2)				**Source: E210060-04**					Prepared: 10/13/22 Analyzed: 10/14/22
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0	ND	95.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.70*		*8.00*		*96.2*	*70-130*			
Matrix Spike Dup (2242063-MSD2)				**Source: E210060-04**					Prepared: 10/13/22 Analyzed: 10/14/22
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.7	70-130	2.09	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.69*		*8.00*		*96.2*	*70-130*			

QC Summary Data

Durango Midstream	Project Name:	ABO Plant W	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Michael Moffit	10/19/2022 3:00:17PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2242065-BLK1)									Prepared: 10/14/22 Analyzed: 10/14/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*58.6*		*50.0*		*117*	*50-200*			
LCS (2242065-BS1)									Prepared: 10/14/22 Analyzed: 10/14/22
Diesel Range Organics (C10-C28)	230	25.0	250		92.2	38-132			
Surrogate: n-Nonane	*56.9*		*50.0*		*114*	*50-200*			
Matrix Spike (2242065-MS1)				**Source: E210065-01**					Prepared: 10/14/22 Analyzed: 10/14/22
Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.3	38-132			
Surrogate: n-Nonane	*52.3*		*50.0*		*105*	*50-200*			
Matrix Spike Dup (2242065-MSD1)				**Source: E210065-01**					Prepared: 10/14/22 Analyzed: 10/14/22
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.1	38-132	1.89	20	
Surrogate: n-Nonane	*54.8*		*50.0*		*110*	*50-200*			

QC Summary Data

Durango Midstream	Project Name:	ABO Plant W	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Michael Moffit	10/19/2022 3:00:17PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2242056-BLK1)									Prepared: 10/13/22 Analyzed: 10/14/22
Chloride	ND	20.0							
LCS (2242056-BS1)									Prepared: 10/13/22 Analyzed: 10/14/22
Chloride	261	20.0	250		104	90-110			
Matrix Spike (2242056-MS1)				**Source: E210060-01**					Prepared: 10/13/22 Analyzed: 10/14/22
Chloride	574	20.0	250	378	78.5	80-120			M2
Matrix Spike Dup (2242056-MSD1)				**Source: E210060-01**					Prepared: 10/13/22 Analyzed: 10/14/22
Chloride	640	20.0	250	378	105	80-120	10.9	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	10/19/22 15:00

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 1

Client: Durango	Bill To	Lab Use Only	TAT / EPA Program
Project: ABO Plant W	Attention:	Lab WO# E2100101	Job Number 21080-0001
Project Manager: M. Moffit	Address: On File	1D 2D 3D Standard: X	CWA SDWA RCRA
Address:	City, State, Zip		State: NM CO UT AZ TX
City, State, Zip	Phone:		
Phone: On File	Email:		
Email:			
Report due by:			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
9:45	10/11	Soil	1	BS22-01	22'	1	✓	✓			✓			
10:00	"	"	"	BS22-02	22'	2	"	"			"			
10:15	"	"	"	BS22-03	22'	3	"	"			"			

Additional Instructions: CC: Michael Moffit & Monica Peppin

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: M. Wier

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jim Raczek	10/12/22	1050		10-20-22	2:30
	10-20-22	4:15		10/13/22	10:30

Lab Use Only — Received on ice: (Y) N

T1 ____ T2 ____ T3 ____

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 10/13/2022 3:15:35PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Durango Midstream	Date Received:	10/13/22 10:30	Work Order ID:	E210061
Phone:	(575) 676-3500	Date Logged In:	10/12/22 16:44	Logged In By:	Caitlin Christian
Email:	mmoffit@vertex.ca	Due Date:	10/19/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: UPS
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	No	
9. Was the sample(s) received intact, i.e., not broken?	No	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Michael Moffit

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Durango Midstream

Project Name:	ABO Plant W
Work Order:	E211020
Job Number:	21080-0001
Received:	11/3/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/9/22

Date Reported: 11/9/22

Michael Moffit
10077 Grogans Mill Rd Ste 300
The Woodlands, TX 77380

Project Name: ABO Plant W
Workorder: E211020
Date Received: 11/3/2022 10:22:00AM

Michael Moffit,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/3/2022 10:22:00AM, under the Project Name: ABO Plant W.

The analytical test results summarized in this report with the Project Name: ABO Plant W apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

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Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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Sample Summary

Durango Midstream	Project Name:	ABO Plant W	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/09/22 13:40

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS22-04 10'	E211020-01A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
BS22-05 10'	E211020-02A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
BS22-06 10'	E211020-03A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
BS22-07 10'	E211020-04A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
BS22-08 6'	E211020-05A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
BS22-09 6'	E211020-06A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
BS22-10 6'	E211020-07A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
BS22-11 6'	E211020-08A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
WS22-01 0-5'	E211020-09A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
WS22-01 5-10'	E211020-10A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
WS22-01 10-15	E211020-11A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
WS22-01 15-20	E211020-12A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
WS22-01 20-22	E211020-13A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
WS22-02 0-5	E211020-14A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
WS22-02 5-10	E211020-15A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
WS22-02 10-15	E211020-16A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
WS22-02 15-20	E211020-17A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
WS22-02 20-22	E211020-18A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
WS22-03 0-5	E211020-19A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
WS22-03 5-10	E211020-20A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

BS22-04 10'

E211020-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Benzene	ND	0.0250	1	11/03/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/04/22	
Toluene	ND	0.0250	1	11/03/22	11/04/22	
o-Xylene	ND	0.0250	1	11/03/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/04/22	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.5 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*86.3 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2245051
Chloride	**41.0**	20.0	1	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

BS22-05 10'

E211020-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Benzene	ND	0.0250	1	11/03/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/04/22	
Toluene	ND	0.0250	1	11/03/22	11/04/22	
o-Xylene	ND	0.0250	1	11/03/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/04/22	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2245051
Chloride	**41.2**	20.0	1	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

BS22-06 10'

E211020-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Benzene	ND	0.0250	1	11/03/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/04/22	
Toluene	ND	0.0250	1	11/03/22	11/04/22	
o-Xylene	ND	0.0250	1	11/03/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/04/22	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*115 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2245051
Chloride	**40.5**	20.0	1	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

BS22-07 10'

E211020-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Benzene	ND	0.0250	1	11/03/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/04/22	
Toluene	ND	0.0250	1	11/03/22	11/04/22	
o-Xylene	ND	0.0250	1	11/03/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/04/22	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*117 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2245051
Chloride	**40.7**	20.0	1	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

BS22-08 6'

E211020-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Benzene	ND	0.0250	1	11/03/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/04/22	
Toluene	ND	0.0250	1	11/03/22	11/04/22	
o-Xylene	ND	0.0250	1	11/03/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/04/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*141 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2245051
Chloride	**47.7**	20.0	1	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

BS22-09 6'

E211020-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Benzene	ND	0.0250	1	11/03/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/04/22	
Toluene	ND	0.0250	1	11/03/22	11/04/22	
o-Xylene	ND	0.0250	1	11/03/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/04/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*109 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2245051
Chloride	**55.9**	20.0	1	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

BS22-10 6'

E211020-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Benzene	ND	0.0250	1	11/03/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/04/22	
Toluene	ND	0.0250	1	11/03/22	11/04/22	
o-Xylene	ND	0.0250	1	11/03/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/04/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Gasoline Range Organics (C6-C10)	**51500**	20.0	1	11/03/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*103 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2245051
Chloride	**62.3**	20.0	1	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

BS22-11 6'

E211020-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Benzene	ND	0.0250	1	11/03/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/04/22	
Toluene	ND	0.0250	1	11/03/22	11/04/22	
o-Xylene	ND	0.0250	1	11/03/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/04/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2245051
Chloride	**49.1**	20.0	1	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

WS22-01 0-5'

E211020-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Benzene	ND	0.0250	1	11/03/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/04/22	
Toluene	ND	0.0250	1	11/03/22	11/04/22	
o-Xylene	ND	0.0250	1	11/03/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/04/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2245051
Chloride	ND	200	10	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

WS22-01 5-10'

E211020-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Benzene	ND	0.0250	1	11/03/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/04/22	
Toluene	ND	0.0250	1	11/03/22	11/04/22	
o-Xylene	ND	0.0250	1	11/03/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/04/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245038
Diesel Range Organics (C10-C28)	**259**	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	**216**	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*115 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2245051
Chloride	ND	200	10	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

WS22-01 10-15

E211020-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Benzene	ND	0.0250	1	11/03/22	11/07/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/07/22	
Toluene	ND	0.0250	1	11/03/22	11/07/22	
o-Xylene	ND	0.0250	1	11/03/22	11/07/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/07/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/07/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/03/22*	*11/07/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*11/03/22*	*11/07/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245038
Diesel Range Organics (C10-C28)	**193**	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	**175**	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*114 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2245051
Chloride	ND	200	10	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

WS22-01 15-20

E211020-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Benzene	ND	0.0250	1	11/03/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/04/22	
Toluene	ND	0.0250	1	11/03/22	11/04/22	
o-Xylene	ND	0.0250	1	11/03/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/04/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*114 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2245051
Chloride	ND	200	10	11/04/22	11/08/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

WS22-01 20-22

E211020-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Benzene	ND	0.0250	1	11/03/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/04/22	
Toluene	ND	0.0250	1	11/03/22	11/04/22	
o-Xylene	ND	0.0250	1	11/03/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/04/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*117 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2245051
Chloride	**201**	200	10	11/04/22	11/08/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

WS22-02 0-5

E211020-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Benzene	ND	0.0250	1	11/03/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/04/22	
Toluene	ND	0.0250	1	11/03/22	11/04/22	
o-Xylene	ND	0.0250	1	11/03/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/04/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.5 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*115 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2245051
Chloride	ND	200	10	11/04/22	11/08/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

WS22-02 5-10

E211020-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Benzene	ND	0.0250	1	11/03/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/05/22	
Toluene	ND	0.0250	1	11/03/22	11/05/22	
o-Xylene	ND	0.0250	1	11/03/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*116 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2245051
Chloride	ND	200	10	11/04/22	11/08/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

WS22-02 10-15

E211020-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Benzene	ND	0.0250	1	11/03/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/05/22	
Toluene	ND	0.0250	1	11/03/22	11/05/22	
o-Xylene	ND	0.0250	1	11/03/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*113 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2245051
Chloride	ND	200	10	11/04/22	11/08/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

WS22-02 15-20

E211020-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Benzene	ND	0.0250	1	11/03/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/05/22	
Toluene	ND	0.0250	1	11/03/22	11/05/22	
o-Xylene	ND	0.0250	1	11/03/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*109 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2245051
Chloride	ND	200	10	11/04/22	11/08/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

WS22-02 20-22

E211020-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Benzene	ND	0.0250	1	11/03/22	11/07/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/07/22	
Toluene	ND	0.0250	1	11/03/22	11/07/22	
o-Xylene	ND	0.0250	1	11/03/22	11/07/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/07/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/07/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*11/03/22*	*11/07/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*11/03/22*	*11/07/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*116 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2245051
Chloride	ND	200	10	11/04/22	11/08/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

WS22-03 0-5

E211020-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Benzene	ND	0.0250	1	11/03/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/05/22	
Toluene	ND	0.0250	1	11/03/22	11/05/22	
o-Xylene	ND	0.0250	1	11/03/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*112 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2245051
Chloride	ND	200	10	11/04/22	11/08/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

WS22-03 5-10

E211020-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Benzene	ND	0.0250	1	11/03/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/05/22	
Toluene	ND	0.0250	1	11/03/22	11/05/22	
o-Xylene	ND	0.0250	1	11/03/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*116 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2245051
Chloride	ND	200	10	11/04/22	11/08/22	

QC Summary Data

Durango Midstream	Project Name:	ABO Plant W	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2245041-BLK1)									Prepared: 11/03/22 Analyzed: 11/04/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.45*		*8.00*		*106*	*70-130*			
LCS (2245041-BS1)									Prepared: 11/03/22 Analyzed: 11/04/22
Benzene	4.86	0.0250	5.00		97.3	70-130			
Ethylbenzene	4.73	0.0250	5.00		94.7	70-130			
Toluene	4.89	0.0250	5.00		97.8	70-130			
o-Xylene	4.90	0.0250	5.00		97.9	70-130			
p,m-Xylene	9.61	0.0500	10.0		96.1	70-130			
Total Xylenes	14.5	0.0250	15.0		96.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.56*		*8.00*		*107*	*70-130*			
Matrix Spike (2245041-MS1)				**Source: E211020-03**					Prepared: 11/03/22 Analyzed: 11/04/22
Benzene	5.08	0.0250	5.00	ND	102	54-133			
Ethylbenzene	4.96	0.0250	5.00	ND	99.2	61-133			
Toluene	5.11	0.0250	5.00	ND	102	61-130			
o-Xylene	5.10	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.59*		*8.00*		*107*	*70-130*			
Matrix Spike Dup (2245041-MSD1)				**Source: E211020-03**					Prepared: 11/03/22 Analyzed: 11/04/22
Benzene	5.32	0.0250	5.00	ND	106	54-133	4.63	20	
Ethylbenzene	5.19	0.0250	5.00	ND	104	61-133	4.62	20	
Toluene	5.35	0.0250	5.00	ND	107	61-130	4.58	20	
o-Xylene	5.34	0.0250	5.00	ND	107	63-131	4.44	20	
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131	4.65	20	
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131	4.58	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.48*		*8.00*		*106*	*70-130*			

QC Summary Data

Durango Midstream	Project Name:	ABO Plant W	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2245041-BLK1)									Prepared: 11/03/22 Analyzed: 11/04/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.76*		*8.00*		*97.0*	*70-130*			
LCS (2245041-BS2)									Prepared: 11/03/22 Analyzed: 11/07/22
Gasoline Range Organics (C6-C10)	55.0	20.0	50.0		110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.90*		*8.00*		*98.7*	*70-130*			
Matrix Spike (2245041-MS2)				**Source: E211020-03**					Prepared: 11/03/22 Analyzed: 11/04/22
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike Dup (2245041-MSD2)				**Source: E211020-03**					Prepared: 11/03/22 Analyzed: 11/04/22
Gasoline Range Organics (C6-C10)	51.1	20.0	50.0	ND	102	70-130	9.62	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.70*		*8.00*		*96.2*	*70-130*			

QC Summary Data

Durango Midstream	Project Name:	ABO Plant W	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2245038-BLK1)									Prepared: 11/04/22 Analyzed: 11/04/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.9*		*50.0*		*114*	*50-200*			
LCS (2245038-BS1)									Prepared: 11/04/22 Analyzed: 11/04/22
Diesel Range Organics (C10-C28)	233	25.0	250		93.3	38-132			
Surrogate: n-Nonane	*54.9*		*50.0*		*110*	*50-200*			
Matrix Spike (2245038-MS1)				**Source: E211020-04**					Prepared: 11/04/22 Analyzed: 11/04/22
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.2	38-132			
Surrogate: n-Nonane	*54.6*		*50.0*		*109*	*50-200*			
Matrix Spike Dup (2245038-MSD1)				**Source: E211020-04**					Prepared: 11/04/22 Analyzed: 11/04/22
Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.6	38-132	2.76	20	
Surrogate: n-Nonane	*57.3*		*50.0*		*115*	*50-200*			

QC Summary Data

Durango Midstream	Project Name:	ABO Plant W	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/9/2022 1:40:52PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2245051-BLK1)									Prepared: 11/04/22 Analyzed: 11/07/22
Chloride	ND	20.0							
LCS (2245051-BS1)									Prepared: 11/04/22 Analyzed: 11/07/22
Chloride	249	20.0	250		99.5	90-110			
Matrix Spike (2245051-MS1)				**Source: E211020-01**					Prepared: 11/04/22 Analyzed: 11/07/22
Chloride	289	20.0	250	41.0	99.3	80-120			
Matrix Spike Dup (2245051-MSD1)				**Source: E211020-01**					Prepared: 11/04/22 Analyzed: 11/07/22
Chloride	290	20.0	250	41.0	99.7	80-120	0.369	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Michael Moffit	11/09/22 13:40

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Client: Durango
Project: Abo Plant W.
Sampler: M. Weir
Phone:
Email(s):
Project Manager: M. Peppin

RUSH? ☐ 1d ☐ 3d

Lab Use Only
Lab WO# P E211020
Job Number 21080-0001

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Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	Lab Number	Correct Cont/Prsrv (s) Y/N
WS22-01 10-15	10-27-22	10:50	Soil	2oz jar	✓	✓	✓	✓	11	
WS22-01 15-20		10:55							12	
WS22-01 20-22		11:00							13	
WS22-02 0-5		11:05							14	
WS22-02 5-10		11:10							15	
WS22-02 10-15		11:15							16	
WS22-02 15-20		11:20							17	
WS22-02 20-22		11:25							18	
WS22-03 0-5		11:30							19	
WS22-03 5-10		11:35							20	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
				11-2-22	3:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-2-22	4:15		11/3/22	10:22

Lab Use Only
**Received on Ice (Y) / N
T1_____ T2_____ T3_____
AVG Temp °C 4.0

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____
Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com laboratory@envirotech-inc.com

Client: Duranga Amber Groves
Project: Abo Plant W.
Sampler: M. Weir
Phone:
Email(s):
Project Manager: Monica Peppin

RUSH? 1d 3d

Lab Use Only
Lab WO# PE211020
Job Number 21080-0001

Page 1 of 6

Sample ID		Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	Lab Number	Correct Cont/Prsrv (s) Y/N
BS22-04	10'	10-27-22 MW	10:00	Soil	2 oz jar	✓	✓	✓	✓	1	
BS22-05	10'	10-27-22	10:05							2	
BS22-06	10'	10-27-22	10:10							3	
BS22-07	10'	10-27-22	10:15							4	
BS22-08	6'	10-27-22	10:20							5	
BS22-09	6'	10-27-22	10:25							6	
BS22-10	6'	10-27-22	10:30							7	
BS22-11	6'	10-27-22	10:35							8	
WS22-01	0-5'	10-27-22	10:40							9	
WS22-01	5-10'	10-27-22	10:45							10	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
				11-2-22	2:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-2-22	4:15		11/3/22	10:22

Lab Use Only
**Received on Ice Y / N
T1_____ T2_____ T3_____
AVG Temp °C 4.0

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____
Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com laboratory@envirotech-inc.com

Envirotech Analytical Laboratory

Printed: 11/3/2022 12:00:56PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Durango Midstream	Date Received:	11/03/22 10:22	Work Order ID:	E211020
Phone:	(575) 676-3500	Date Logged In:	11/03/22 11:47	Logged In By:	Irene Yazzie
Email:	mmoffit@vertex.ca	Due Date:	11/10/22 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes
2. Does the number of samples per sampling site location match the COC	Yes
3. Were samples dropped off by client or carrier?	Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes

Carrier: UPS

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No
29. Was a subcontract laboratory specified by the client and if so who?	NA

Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Monica Peppin

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Durango Midstream

Project Name:	ABO Plant W
Work Order:	E211021
Job Number:	21080-0001
Received:	11/3/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/9/22

Date Reported: 11/9/22

Monica Peppin
10077 Grogans Mill Rd Ste 300
The Woodlands, TX 77380

Project Name: ABO Plant W
Workorder: E211021
Date Received: 11/3/2022 10:22:00AM

Monica Peppin,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/3/2022 10:22:00AM, under the Project Name: ABO Plant W.

The analytical test results summarized in this report with the Project Name: ABO Plant W apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
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Table of Contents

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Sample Summary

Durango Midstream	Project Name:	ABO Plant W	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/09/22 15:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
WS22-03 10-15	E211021-01A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
WS22-03 15-20	E211021-02A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
WS22-03 20-22	E211021-03A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
WS22-04 0-5	E211021-04A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
WS22-04 5-10	E211021-05A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
WS22-04 10-15	E211021-06A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
WS22-04 15-20	E211021-07A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
WS22-04 20-22	E211021-08A	Soil	10/27/22	11/03/22	Glass Jar, 2 oz.
WS22-05 0-5	E211021-09A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.
WS22-05 5-10	E211021-10A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.
WS22-05 10-15	E211021-11A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.
WS22-05 15-20	E211021-12A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.
WS22-05 20-22	E211021-13A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.
WS22-06 0-5	E211021-14A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.
WS22-06 5-10	E211021-15A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.
WS22-07 0-3	E211021-16A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.
WS22-07 3-6	E211021-17A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.
WS22-08 0-3	E211021-18A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.
WS22-08 3-6	E211021-19A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.
WS22-09 0-3	E211021-20A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

WS22-03 10-15

E211021-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Benzene	ND	0.0250	1	11/03/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/04/22	
Toluene	ND	0.0250	1	11/03/22	11/04/22	
o-Xylene	ND	0.0250	1	11/03/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/04/22	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*79.5 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*109 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245052
Chloride	ND	200	10	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

WS22-03 15-20

E211021-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Benzene	ND	0.0250	1	11/03/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/04/22	
Toluene	ND	0.0250	1	11/03/22	11/04/22	
o-Xylene	ND	0.0250	1	11/03/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/04/22	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.7 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*115 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245052
Chloride	ND	100	5	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

WS22-03 20-22

E211021-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Benzene	ND	0.0250	1	11/03/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/04/22	
Toluene	ND	0.0250	1	11/03/22	11/04/22	
o-Xylene	ND	0.0250	1	11/03/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/04/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.3 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*109 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245052
Chloride	ND	200	10	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

WS22-04 0-5

E211021-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Benzene	ND	0.0250	1	11/03/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/04/22	
Toluene	ND	0.0250	1	11/03/22	11/04/22	
o-Xylene	ND	0.0250	1	11/03/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/04/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.9 %*	*70-130*	*11/03/22*	*11/04/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*111 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245052
Chloride	ND	200	10	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

WS22-04 5-10

E211021-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Benzene	ND	0.0250	1	11/03/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/05/22	
Toluene	ND	0.0250	1	11/03/22	11/05/22	
o-Xylene	ND	0.0250	1	11/03/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*80.6 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*115 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245052
Chloride	**29.1**	20.0	1	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

WS22-04 10-15

E211021-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Benzene	ND	0.0250	1	11/03/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/05/22	
Toluene	ND	0.0250	1	11/03/22	11/05/22	
o-Xylene	ND	0.0250	1	11/03/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.3 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245052
Chloride	**108**	20.0	1	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

WS22-04 15-20

E211021-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Benzene	ND	0.0250	1	11/03/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/05/22	
Toluene	ND	0.0250	1	11/03/22	11/05/22	
o-Xylene	ND	0.0250	1	11/03/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.5 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*113 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245052
Chloride	**29.1**	20.0	1	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

WS22-04 20-22

E211021-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Benzene	ND	0.0250	1	11/03/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/05/22	
Toluene	ND	0.0250	1	11/03/22	11/05/22	
o-Xylene	ND	0.0250	1	11/03/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.8 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245052
Chloride	**208**	200	10	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

WS22-05 0-5

E211021-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Benzene	ND	0.0250	1	11/03/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/05/22	
Toluene	ND	0.0250	1	11/03/22	11/05/22	
o-Xylene	ND	0.0250	1	11/03/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.2 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*116 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245052
Chloride	**87.0**	20.0	1	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

WS22-05 5-10

E211021-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Benzene	ND	0.0250	1	11/03/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/05/22	
Toluene	ND	0.0250	1	11/03/22	11/05/22	
o-Xylene	ND	0.0250	1	11/03/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.9 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*113 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245052
Chloride	ND	200	10	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

WS22-05 10-15

E211021-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Benzene	ND	0.0250	1	11/03/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/05/22	
Toluene	ND	0.0250	1	11/03/22	11/05/22	
o-Xylene	ND	0.0250	1	11/03/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.0 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*116 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245052
Chloride	**118**	20.0	1	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

WS22-05 15-20

E211021-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Benzene	ND	0.0250	1	11/03/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/05/22	
Toluene	ND	0.0250	1	11/03/22	11/05/22	
o-Xylene	ND	0.0250	1	11/03/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*80.6 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245052
Chloride	ND	200	10	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

WS22-05 20-22

E211021-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Benzene	ND	0.0250	1	11/03/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/05/22	
Toluene	ND	0.0250	1	11/03/22	11/05/22	
o-Xylene	ND	0.0250	1	11/03/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.9 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*109 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245052
Chloride	ND	200	10	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

WS22-06 0-5

E211021-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Benzene	ND	0.0250	1	11/03/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/05/22	
Toluene	ND	0.0250	1	11/03/22	11/05/22	
o-Xylene	ND	0.0250	1	11/03/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.2 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*113 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245052
Chloride	ND	200	10	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

WS22-06 5-10

E211021-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Benzene	ND	0.0250	1	11/03/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/05/22	
Toluene	ND	0.0250	1	11/03/22	11/05/22	
o-Xylene	ND	0.0250	1	11/03/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.5 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*109 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245052
Chloride	ND	200	10	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

WS22-07 0-3

E211021-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Benzene	ND	0.0250	1	11/03/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/05/22	
Toluene	ND	0.0250	1	11/03/22	11/05/22	
o-Xylene	ND	0.0250	1	11/03/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.3 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*119 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245052
Chloride	**28.9**	20.0	1	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

WS22-07 3-6

E211021-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Benzene	ND	0.0250	1	11/03/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/05/22	
Toluene	ND	0.0250	1	11/03/22	11/05/22	
o-Xylene	ND	0.0250	1	11/03/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.2 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245052
Chloride	ND	200	10	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

WS22-08 0-3

E211021-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Benzene	ND	0.0250	1	11/03/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/05/22	
Toluene	ND	0.0250	1	11/03/22	11/05/22	
o-Xylene	ND	0.0250	1	11/03/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*80.1 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*116 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245052
Chloride	ND	200	10	11/04/22	11/07/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

WS22-08 3-6

E211021-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Benzene	ND	0.0250	1	11/03/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/05/22	
Toluene	ND	0.0250	1	11/03/22	11/05/22	
o-Xylene	ND	0.0250	1	11/03/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.7 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*117 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245052
Chloride	**95.7**	20.0	1	11/04/22	11/08/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

WS22-09 0-3

E211021-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Benzene	ND	0.0250	1	11/03/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/03/22	11/05/22	
Toluene	ND	0.0250	1	11/03/22	11/05/22	
o-Xylene	ND	0.0250	1	11/03/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/03/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/03/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*80.9 %*	*70-130*	*11/03/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*116 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245052
Chloride	ND	200	10	11/04/22	11/08/22	

QC Summary Data

Durango Midstream	Project Name:	ABO Plant W	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2245042-BLK1)									Prepared: 11/03/22 Analyzed: 11/04/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.42*		*8.00*		*105*	*70-130*			
LCS (2245042-BS1)									Prepared: 11/03/22 Analyzed: 11/04/22
Benzene	6.05	0.0250	5.00		121	70-130			
Ethylbenzene	4.69	0.0250	5.00		93.7	70-130			
Toluene	5.05	0.0250	5.00		101	70-130			
o-Xylene	4.79	0.0250	5.00		95.7	70-130			
p,m-Xylene	9.52	0.0500	10.0		95.2	70-130			
Total Xylenes	14.3	0.0250	15.0		95.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.70*		*8.00*		*109*	*70-130*			
Matrix Spike (2245042-MS1)				**Source: E211021-03**					Prepared: 11/03/22 Analyzed: 11/04/22
Benzene	5.48	0.0250	5.00	ND	110	54-133			
Ethylbenzene	4.27	0.0250	5.00	ND	85.4	61-133			
Toluene	4.59	0.0250	5.00	ND	91.8	61-130			
o-Xylene	4.36	0.0250	5.00	ND	87.2	63-131			
p,m-Xylene	8.69	0.0500	10.0	ND	86.9	63-131			
Total Xylenes	13.1	0.0250	15.0	ND	87.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.17*		*8.00*		*102*	*70-130*			
Matrix Spike Dup (2245042-MSD1)				**Source: E211021-03**					Prepared: 11/03/22 Analyzed: 11/04/22
Benzene	5.86	0.0250	5.00	ND	117	54-133	6.56	20	
Ethylbenzene	4.54	0.0250	5.00	ND	90.9	61-133	6.23	20	
Toluene	4.89	0.0250	5.00	ND	97.8	61-130	6.40	20	
o-Xylene	4.63	0.0250	5.00	ND	92.7	63-131	6.10	20	
p,m-Xylene	9.24	0.0500	10.0	ND	92.4	63-131	6.10	20	
Total Xylenes	13.9	0.0250	15.0	ND	92.5	63-131	6.10	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.31*		*8.00*		*104*	*70-130*			

QC Summary Data

Durango Midstream	Project Name:	ABO Plant W	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2245042-BLK1)									Prepared: 11/03/22 Analyzed: 11/04/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.73*		*8.00*		*84.1*	*70-130*			
LCS (2245042-BS2)									Prepared: 11/03/22 Analyzed: 11/04/22
Gasoline Range Organics (C6-C10)	44.4	20.0	50.0		88.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.54*		*8.00*		*81.7*	*70-130*			
Matrix Spike (2245042-MS2)				**Source: E211021-03**					Prepared: 11/03/22 Analyzed: 11/04/22
Gasoline Range Organics (C6-C10)	43.3	20.0	50.0	ND	86.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.94*		*8.00*		*86.7*	*70-130*			
Matrix Spike Dup (2245042-MSD2)				**Source: E211021-03**					Prepared: 11/03/22 Analyzed: 11/04/22
Gasoline Range Organics (C6-C10)	48.6	20.0	50.0	ND	97.2	70-130	11.6	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.81*		*8.00*		*85.1*	*70-130*			

QC Summary Data

Durango Midstream	Project Name:	ABO Plant W	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2245044-BLK1)									Prepared: 11/04/22 Analyzed: 11/04/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.1*		*50.0*		*114*	*50-200*			
LCS (2245044-BS1)									Prepared: 11/04/22 Analyzed: 11/04/22
Diesel Range Organics (C10-C28)	276	25.0	250		111	38-132			
Surrogate: n-Nonane	*59.3*		*50.0*		*119*	*50-200*			
Matrix Spike (2245044-MS1)				**Source: E211021-05**					Prepared: 11/04/22 Analyzed: 11/04/22
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	*52.6*		*50.0*		*105*	*50-200*			
Matrix Spike Dup (2245044-MSD1)				**Source: E211021-05**					Prepared: 11/04/22 Analyzed: 11/04/22
Diesel Range Organics (C10-C28)	286	25.0	250	ND	114	38-132	5.77	20	
Surrogate: n-Nonane	*56.4*		*50.0*		*113*	*50-200*			

QC Summary Data

Durango Midstream	Project Name:	ABO Plant W	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:18:45PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2245052-BLK1)									Prepared: 11/04/22 Analyzed: 11/07/22
Chloride	ND	20.0							
LCS (2245052-BS1)									Prepared: 11/04/22 Analyzed: 11/07/22
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2245052-MS1)				**Source: E211021-01**					Prepared: 11/04/22 Analyzed: 11/07/22
Chloride	345	200	250	ND	138	80-120			M4
Matrix Spike Dup (2245052-MSD1)				**Source: E211021-01**					Prepared: 11/04/22 Analyzed: 11/07/22
Chloride	276	200	250	ND	111	80-120	22.0	20	R2

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/09/22 15:18

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
R2	The RPD exceeded the acceptance limit.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Client: Durango
Project: Abo Plant W.
Sampler: M. Weir
Phone:
Email(s):
Project Manager: M. Peppin

RUSH? ☐ 1d ☐ 3d

Lab Use Only
Lab WO# PE211021
Job Number 21080-0001

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Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	Lab Number	Correct Cont/Prsrv (s) Y/N
WS22-03 10-15	10-27-22	11:40	So.	2oz jar	✓	✓	✓	✓	1	Y
WS22-03 15-20		11:45							2	
WS22-03 20-22		11:50							3	
WS22-04 0-5		11:55							4	
WS22-04 5-10		12:00							5	
WS22-04 10-15		12:45							6	
WS22-04 15-20		12:50							7	
WS22-04 20-22		12:55							8	
WS22-05 0-5	10-28-22	10:00							9	
WS22-05 5-10	10-28-22	10:10							10	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
				11-2-22	3:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
				11/3/22	10:22

Lab Use Only
**Received on Ice Y / N
T1_____ T2_____ T3_____
AVG Temp °C 4.0

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____
Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com laboratory@envirotech-inc.com

Client: Durango
Project: Abo Plant W.
Sampler: M. Weir
Phone:
Email(s):
Project Manager: M. Peppin

RUSH? 1d 3d

Lab Use Only
Lab WO# PE211021
Job Number 21080-0001

Page 4 of 6

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	Lab Number	Correct Cont/Prsrv (s) Y/N
WS22-05 10-15	10/28	10:20	soil	2oz jar	✓	✓	✓	✓	11	Y
WS22-05 15-20		10:30							12	
WS22-05 20-22		10:40							13	
WS22-06 0-5		10:50							14	
WS22-06 5-10		11:00							15	
WS22-07 0-3		11:10							16	
WS22-07 3-6		11:20							17	
WS22-08 0-3		11:30							18	
WS22-08 3-6		11:40							19	
WS22-09 0-3		11:50							20	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
				11-2-22	2:00
	11-2-22	4:15		11/3/22	10:22

Lab Use Only
**Received on Ice Y / N
T1_____ T2_____ T3_____
AVG Temp °C 4.0

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
laboratory@envirotech-inc.com

Envirotech Analytical Laboratory

Printed: 11/3/2022 2:05:34PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Durango Midstream	Date Received:	11/03/22 10:22	Work Order ID:	E211021
Phone:	(575) 676-3500	Date Logged In:	11/03/22 13:54	Logged In By:	Raina Schwanz
Email:		Due Date:	11/09/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: UPS
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Monica Peppin

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Durango Midstream

Project Name:	ABO Plant W
Work Order:	E211022
Job Number:	21080-0001
Received:	11/3/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/9/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/9/22

Monica Peppin
10077 Grogans Mill Rd Ste 300
The Woodlands, TX 77380

Project Name: ABO Plant W
Workorder: E211022
Date Received: 11/3/2022 10:22:00AM

Monica Peppin,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/3/2022 10:22:00AM, under the Project Name: ABO Plant W.

The analytical test results summarized in this report with the Project Name: ABO Plant W apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Durango Midstream	Project Name:	ABO Plant W	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/09/22 15:31

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
WS22-09 3-6	E211022-01A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.
WS22-10 0-3	E211022-02A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.
WS22-10 3-6	E211022-03A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.
WS22-11 0-3	E211022-04A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.
WS22-11 3-6	E211022-05A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.
WS22-12 0-5	E211022-06A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.
WS22-12 5-10	E211022-07A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.
WS22-13 6-10	E211022-08A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.
WS22-14 10-15	E211022-09A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.
WS22-14 15-20	E211022-10A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.
WS22-14 20-22	E211022-11A	Soil	10/28/22	11/03/22	Glass Jar, 2 oz.

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:31:35PM

WS22-09 3-6

E211022-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245056
Benzene	ND	0.0250	1	11/04/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/05/22	
Toluene	ND	0.0250	1	11/04/22	11/05/22	
o-Xylene	ND	0.0250	1	11/04/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*11/04/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245056
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*80.8 %*	*70-130*	*11/04/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245045
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*107 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245053
Chloride	ND	200	10	11/04/22	11/08/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:31:35PM

WS22-10 0-3

E211022-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245056
Benzene	ND	0.0250	1	11/04/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/05/22	
Toluene	ND	0.0250	1	11/04/22	11/05/22	
o-Xylene	ND	0.0250	1	11/04/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*11/04/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245056
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*80.6 %*	*70-130*	*11/04/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245045
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*113 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245053
Chloride	ND	200	10	11/04/22	11/08/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:31:35PM

WS22-10 3-6

E211022-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245056
Benzene	ND	0.0250	1	11/04/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/05/22	
Toluene	ND	0.0250	1	11/04/22	11/05/22	
o-Xylene	ND	0.0250	1	11/04/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*11/04/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245056
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*80.4 %*	*70-130*	*11/04/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245045
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*113 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245053
Chloride	ND	200	10	11/04/22	11/08/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:31:35PM

WS22-11 0-3

E211022-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245056
Benzene	ND	0.0250	1	11/04/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/05/22	
Toluene	ND	0.0250	1	11/04/22	11/05/22	
o-Xylene	ND	0.0250	1	11/04/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*11/04/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245056
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.5 %*	*70-130*	*11/04/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245045
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*119 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245053
Chloride	ND	200	10	11/04/22	11/08/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:31:35PM

WS22-11 3-6

E211022-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245056
Benzene	ND	0.0250	1	11/04/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/05/22	
Toluene	ND	0.0250	1	11/04/22	11/05/22	
o-Xylene	ND	0.0250	1	11/04/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/04/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245056
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.4 %*	*70-130*	*11/04/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245045
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*114 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245053
Chloride	**107**	20.0	1	11/04/22	11/08/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:31:35PM

WS22-12 0-5

E211022-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245056
Benzene	ND	0.0250	1	11/04/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/05/22	
Toluene	ND	0.0250	1	11/04/22	11/05/22	
o-Xylene	ND	0.0250	1	11/04/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*11/04/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245056
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.8 %*	*70-130*	*11/04/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245045
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*119 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245053
Chloride	**28.9**	20.0	1	11/04/22	11/08/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:31:35PM

WS22-12 5-10

E211022-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245056
Benzene	ND	0.0250	1	11/04/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/05/22	
Toluene	ND	0.0250	1	11/04/22	11/05/22	
o-Xylene	ND	0.0250	1	11/04/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*11/04/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245056
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.6 %*	*70-130*	*11/04/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245045
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
Surrogate: n-Nonane		*114 %*	*50-200*	*11/04/22*	*11/04/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245053
Chloride	ND	200	10	11/04/22	11/09/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:31:35PM

WS22-13 6-10

E211022-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245056
Benzene	ND	0.0250	1	11/04/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/05/22	
Toluene	ND	0.0250	1	11/04/22	11/05/22	
o-Xylene	ND	0.0250	1	11/04/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*11/04/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245056
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*79.6 %*	*70-130*	*11/04/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245045
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/09/22	
Surrogate: n-Nonane		*112 %*	*50-200*	*11/04/22*	*11/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245053
Chloride	**202**	200	10	11/04/22	11/09/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:31:35PM

WS22-14 10-15

E211022-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245056
Benzene	ND	0.0250	1	11/04/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/05/22	
Toluene	ND	0.0250	1	11/04/22	11/05/22	
o-Xylene	ND	0.0250	1	11/04/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*11/04/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245056
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*80.1 %*	*70-130*	*11/04/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245045
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*117 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245053
Chloride	**122**	20.0	1	11/04/22	11/08/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:31:35PM

WS22-14 15-20

E211022-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245056
Benzene	ND	0.0250	1	11/04/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/05/22	
Toluene	ND	0.0250	1	11/04/22	11/05/22	
o-Xylene	ND	0.0250	1	11/04/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*11/04/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245056
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*79.9 %*	*70-130*	*11/04/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245045
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*107 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245053
Chloride	**122**	20.0	1	11/04/22	11/08/22	

Sample Data

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:31:35PM

WS22-14 20-22

E211022-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2245056
Benzene	ND	0.0250	1	11/04/22	11/05/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/05/22	
Toluene	ND	0.0250	1	11/04/22	11/05/22	
o-Xylene	ND	0.0250	1	11/04/22	11/05/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/05/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*11/04/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2245056
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*78.7 %*	*70-130*	*11/04/22*	*11/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2245045
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/05/22	
Surrogate: n-Nonane		*93.9 %*	*50-200*	*11/04/22*	*11/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2245053
Chloride	**41.6**	20.0	1	11/04/22	11/08/22	

QC Summary Data

Durango Midstream	Project Name:	ABO Plant W	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:31:35PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2245056-BLK1)									Prepared: 11/04/22 Analyzed: 11/05/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.30*		*8.00*		*104*	*70-130*			
LCS (2245056-BS1)									Prepared: 11/04/22 Analyzed: 11/05/22
Benzene	5.76	0.0250	5.00		115	70-130			
Ethylbenzene	4.46	0.0250	5.00		89.1	70-130			
Toluene	4.81	0.0250	5.00		96.2	70-130			
o-Xylene	4.55	0.0250	5.00		90.9	70-130			
p,m-Xylene	9.05	0.0500	10.0		90.5	70-130			
Total Xylenes	13.6	0.0250	15.0		90.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.18*		*8.00*		*102*	*70-130*			
LCS Dup (2245056-BSD1)									Prepared: 11/04/22 Analyzed: 11/05/22
Benzene	5.77	0.0250	5.00		115	70-130	0.188	20	
Ethylbenzene	4.46	0.0250	5.00		89.3	70-130	0.168	20	
Toluene	4.81	0.0250	5.00		96.2	70-130	0.0145	20	
o-Xylene	4.55	0.0250	5.00		90.9	70-130	0.00439	20	
p,m-Xylene	9.07	0.0500	10.0		90.7	70-130	0.172	20	
Total Xylenes	13.6	0.0250	15.0		90.8	70-130	0.113	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.21*		*8.00*		*103*	*70-130*			

QC Summary Data

Durango Midstream	Project Name:	ABO Plant W	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:31:35PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2245056-BLK1)									Prepared: 11/04/22 Analyzed: 11/05/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.88*		*8.00*		*86.0*	*70-130*			
LCS (2245056-BS2)									Prepared: 11/04/22 Analyzed: 11/05/22
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.51*		*8.00*		*81.4*	*70-130*			
LCS Dup (2245056-BSD2)									Prepared: 11/04/22 Analyzed: 11/05/22
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.9	70-130	6.35	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.74*		*8.00*		*84.3*	*70-130*			

QC Summary Data

Durango Midstream	Project Name:	ABO Plant W	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:31:35PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2245045-BLK1)									Prepared: 11/04/22 Analyzed: 11/04/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.6*		*50.0*		*113*	*50-200*			
LCS (2245045-BS1)									Prepared: 11/04/22 Analyzed: 11/04/22
Diesel Range Organics (C10-C28)	231	25.0	250		92.5	38-132			
Surrogate: n-Nonane	*56.1*		*50.0*		*112*	*50-200*			
Matrix Spike (2245045-MS1)				**Source: E211022-07**					Prepared: 11/04/22 Analyzed: 11/04/22
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.4	38-132			
Surrogate: n-Nonane	*54.5*		*50.0*		*109*	*50-200*			
Matrix Spike Dup (2245045-MSD1)				**Source: E211022-07**					Prepared: 11/04/22 Analyzed: 11/04/22
Diesel Range Organics (C10-C28)	227	25.0	250	ND	90.6	38-132	5.08	20	
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*50-200*			

QC Summary Data

Durango Midstream	Project Name:	ABO Plant W	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/9/2022 3:31:35PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2245053-BLK1)									Prepared: 11/04/22 Analyzed: 11/08/22
Chloride	ND	20.0							
LCS (2245053-BS1)									Prepared: 11/04/22 Analyzed: 11/08/22
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2245053-MS1)				**Source: E211022-01**					Prepared: 11/04/22 Analyzed: 11/09/22
Chloride	367	200	250	ND	147	80-120			M6
Matrix Spike Dup (2245053-MSD1)				**Source: E211022-01**					Prepared: 11/04/22 Analyzed: 11/08/22
Chloride	362	200	250	ND	145	80-120	1.18	20	M6

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Durango Midstream	Project Name:	ABO Plant W	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Monica Peppin	11/09/22 15:31

M6	Matrix spike recovery has a high bias. The native sample results were below the RL, but appears to have contributed to high MS recoveries.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Client: Duranco
Project: Abo Plant W.
Sampler: M. Weir
Phone:
Email(s):
Project Manager: M. Peppin

RUSH? ☐ 1d ☐ 3d

Lab Use Only	
Lab WO#	E211022
Job Number	21080-0001

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Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	Lab Number	Correct Cont/Prsrv (s) Y/N
WS22-09 3-6	10/28	12:00	Soil	2oz jar	✓	✓	✓	✓	1	
WS22-10 0-3		12:45							2	
WS22-10 3-6		12:50							3	
WS22-11 0-3		13:00							4	
WS22-11 3-6		13:10							5	
WS22-12 0-5		13:20							6	
WS22-12 5-10		13:30							7	
WS22-13 6-10		13:40							8	
WS22-14 10-15		13:50							9	
WS22-14 15-20		14:00							10	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
				11-2-22	2:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-2-22	4:15		11/3/22	10:22

Lab Use Only
**Received on Ice Y / N
T1_____ T2_____ T3_____
AVG Temp °C 4.0

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:

envirotech Analytical Laboratory

envirotech-inc.com
laboratory@envirotech-inc.com

Client: Durango
Project: Abo Plant W.
Sampler: M. Wier
Phone:
Email(s):
Project Manager:

RUSH? ☐ 1d ☐ 3d

Lab Use Only
Lab WO# E211022
Job Number 21080-0001

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Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0					Lab Number	Correct Cont/Prsrv (s) Y/N
WS22-14 20.22	10/28	14:10	So.1	2oz jar	✓	✓	✓	✓					11	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
		1		11-2-22	2:00
	11-2-22	4:15		11/3/22	10:22

Lab Use Only
**Received on Ice (Y) / N
T1_____ T2_____ T3_____
AVG Temp °C 4.0

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____
Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:

envirotech
Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401
Phone: (505) 632-0615 Fax: (505) 632-1865
envirotech-inc.com
laboratory@envirotech-inc.com

Envirotech Analytical Laboratory

Printed: 11/9/2022 3:30:34PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Durango Midstream	Date Received:	11/03/22 10:22	Work Order ID:	E211022
Phone:	(575) 676-3500	Date Logged In:	11/03/22 14:32	Logged In By:	Irene Yazzie
Email:	mpeppin@vertex.ca	Due Date:	11/09/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: UPS
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Amber Groves

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Durango Midstream

Project Name:	ABO Plant W. Inlet
Work Order:	E211116
Job Number:	21080-0001
Received:	11/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/28/22

Date Reported: 11/28/22

Amber Groves
10077 Grogans Mill Rd Ste 300
The Woodlands, TX 77380

Project Name: ABO Plant W. Inlet
Workorder: E211116
Date Received: 11/18/2022 7:30:00AM

Amber Groves,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/18/2022 7:30:00AM, under the Project Name: ABO Plant W. Inlet.

The analytical test results summarized in this report with the Project Name: ABO Plant W. Inlet apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

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Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Durango Midstream	Project Name:	ABO Plant W. Inlet	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Amber Groves	11/28/22 09:29

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS22 - 10 7'	E211116-01A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.

Sample Data

Durango Midstream	Project Name:	ABO Plant W. Inlet	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Amber Groves	11/28/2022 9:29:34AM

BS22 - 10 7'

E211116-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247120
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*11/19/22*	*11/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.9 %*	*70-130*	*11/19/22*	*11/20/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*11/19/22*	*11/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247120
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*11/19/22*	*11/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.9 %*	*70-130*	*11/19/22*	*11/20/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*11/19/22*	*11/20/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2248005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/22/22	
Surrogate: n-Nonane		*88.3 %*	*50-200*	*11/21/22*	*11/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248014
Chloride	ND	200	10	11/21/22	11/21/22	

QC Summary Data

Durango Midstream	Project Name:	ABO Plant W. Inlet	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Amber Groves	11/28/2022 9:29:34AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2247120-BLK1)									Prepared: 11/19/22 Analyzed: 11/20/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.469*		*0.500*		*93.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.488*		*0.500*		*97.6*	*70-130*			
Surrogate: Toluene-d8	*0.498*		*0.500*		*99.6*	*70-130*			
LCS (2247120-BS1)									Prepared: 11/19/22 Analyzed: 11/20/22
Benzene	2.51	0.0250	2.50		100	70-130			
Ethylbenzene	2.47	0.0250	2.50		98.9	70-130			
Toluene	2.50	0.0250	2.50		100	70-130			
o-Xylene	2.61	0.0250	2.50		104	70-130			
p,m-Xylene	4.97	0.0500	5.00		99.4	70-130			
Total Xylenes	7.58	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.3*	*70-130*			
Surrogate: Toluene-d8	*0.494*		*0.500*		*98.8*	*70-130*			
LCS Dup (2247120-BSD1)									Prepared: 11/19/22 Analyzed: 11/20/22
Benzene	2.47	0.0250	2.50		98.7	70-130	1.69	23	
Ethylbenzene	2.46	0.0250	2.50		98.6	70-130	0.365	27	
Toluene	2.48	0.0250	2.50		99.0	70-130	1.03	24	
o-Xylene	2.58	0.0250	2.50		103	70-130	0.963	27	
p,m-Xylene	4.95	0.0500	5.00		99.0	70-130	0.403	27	
Total Xylenes	7.53	0.0250	7.50		100	70-130	0.596	27	
Surrogate: Bromofluorobenzene	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.496*		*0.500*		*99.2*	*70-130*			

QC Summary Data

Durango Midstream	Project Name:	ABO Plant W. Inlet	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Amber Groves	11/28/2022 9:29:34AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2247120-BLK1)									Prepared: 11/19/22 Analyzed: 11/20/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.469*		*0.500*		*93.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.488*		*0.500*		*97.6*	*70-130*			
Surrogate: Toluene-d8	*0.498*		*0.500*		*99.6*	*70-130*			
LCS (2247120-BS2)									Prepared: 11/19/22 Analyzed: 11/20/22
Gasoline Range Organics (C6-C10)	59.7	20.0	50.0		119	70-130			
Surrogate: Bromofluorobenzene	*0.492*		*0.500*		*98.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.485*		*0.500*		*96.9*	*70-130*			
Surrogate: Toluene-d8	*0.504*		*0.500*		*101*	*70-130*			
LCS Dup (2247120-BSD2)									Prepared: 11/19/22 Analyzed: 11/20/22
Gasoline Range Organics (C6-C10)	58.0	20.0	50.0		116	70-130	2.96	20	
Surrogate: Bromofluorobenzene	*0.483*		*0.500*		*96.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.6*	*70-130*			
Surrogate: Toluene-d8	*0.499*		*0.500*		*99.8*	*70-130*			

QC Summary Data

Durango Midstream	Project Name:	ABO Plant W. Inlet	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Amber Groves	11/28/2022 9:29:34AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2248005-BLK1)									Prepared: 11/21/22 Analyzed: 11/22/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.6*		*50.0*		*105*	*50-200*			
LCS (2248005-BS1)									Prepared: 11/21/22 Analyzed: 11/22/22
Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132			
Surrogate: n-Nonane	*49.3*		*50.0*		*98.6*	*50-200*			
Matrix Spike (2248005-MS1)				**Source: E211117-01**					Prepared: 11/21/22 Analyzed: 11/22/22
Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	38-132			
Surrogate: n-Nonane	*49.4*		*50.0*		*98.7*	*50-200*			
Matrix Spike Dup (2248005-MSD1)				**Source: E211117-01**					Prepared: 11/21/22 Analyzed: 11/22/22
Diesel Range Organics (C10-C28)	331	25.0	250	ND	132	38-132	15.1	20	
Surrogate: n-Nonane	*48.6*		*50.0*		*97.1*	*50-200*			

QC Summary Data

Durango Midstream	Project Name:	ABO Plant W. Inlet	**Reported:**
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Amber Groves	11/28/2022 9:29:34AM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2248014-BLK1)									Prepared: 11/21/22 Analyzed: 11/21/22
Chloride	ND	20.0							
LCS (2248014-BS1)									Prepared: 11/21/22 Analyzed: 11/21/22
Chloride	257	20.0	250		103	90-110			
LCS Dup (2248014-BSD1)									Prepared: 11/21/22 Analyzed: 11/23/22
Chloride	260	20.0	250		104	90-110	1.15	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Durango Midstream	Project Name:	ABO Plant W. Inlet	
10077 Grogans Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Amber Groves	11/28/22 09:29

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Client: Durango Amber Groves
Project: Abo Plant W. Inlet
Sampler: M. Wier
Phone:
Email(s):
Project Manager:

RUSH? ☐ 1d ☐ 3d

Lab Use Only
Lab WO# PEZ111116
Job Number 21080-0001

Page 1 of 1

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0					Lab Number	Correct Cont/Prsrv (s) Y/N
				Analysis and Method									lab Only	
BS22-10 7'	11/16	8:30	Soil	2 oz jar	✓	✓	✓	✓					1	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/17	1108	Michelle R Cyk	11-17-22	1108
Michelle R Cyk	11-17-22	1620	Caitlin Christian	11/18/22	7:30

Lab Use Only
**Received on Ice Y / N
T1____ T2____ T3____
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____
Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
laboratory@envirotech-inc.com

Envirotech Analytical Laboratory

Printed: 11/18/2022 1:51:25PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Durango Midstream	Date Received:	11/18/22 07:30	Work Order ID:	E211116
Phone:	(575) 703-7992	Date Logged In:	11/18/22 07:59	Logged In By:	Caitlin Christian
Email:	agroves@durangomidstream.com	Due Date:	11/28/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes
2. Does the number of samples per sampling site location match the COC	Yes
3. Were samples dropped off by client or carrier?	Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes

Carrier: Courier

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No
29. Was a subcontract laboratory specified by the client and if so who?	NA

Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

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QUESTIONS

Action 376202

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 376202
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2218749539**
Incident Name	**NAPP2218749539 ABO W. INLET (2) @ 0**
Incident Type	**Natural Gas Release**
Incident Status	**Remediation Closure Report Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	ABO W. INLET (2)
Date Release Discovered	07/01/2022
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
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	
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: Corrosion | Pipeline (Any) | Condensate | Released: 24 BBL | Recovered: 0 BBL | Lost: 24 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 (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 376202
	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@kinetik.com Date: 08/21/2024

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QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 376202
	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 26 and 50 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
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	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
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)	16
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	08/06/2024
On what date will (or did) the final sampling or liner inspection occur	08/06/2024
On what date will (or was) the remediation complete(d)	08/06/2024
What is the estimated surface area (in square feet) that will be reclaimed	300
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	300
What is the estimated volume (in cubic yards) that will be remediated	180
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 (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 376202
	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)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Sebastian Orozco Title: Sr. Environmental Specialist Email: sorozco@kinetik.com Date: 08/21/2024
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 (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 376202
	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 (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 376202
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**369203**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**08/06/2024**
What was the (estimated) number of samples that were to be gathered	**10**
What was the sampling surface area in square feet	**250**

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	300
What was the total volume (cubic yards) remediated	180
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Impacted areas left on site from previous remediation activities were excavated and removed from the site. Confirmation samples were collected on the floor as well as all 4 sidewalls to ensure that all impact was removed from the site.

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: 08/21/2024

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QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 376202
	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 376202

CONDITIONS

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	221115
	Action Number: 376202
	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 #NAPP2218749539 ABO W. INLET (2), thank you. This Remediation Closure Report is approved.	9/12/2024