



November 24, 2025

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

**Re: Closure Request  
Par Three NGL Riser  
Incident Number nAPP2209827356  
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request* to document assessment, remediation, and soil sampling activities at the Par Three NGL Riser (Site). The Site is located in Unit M, Section 31, Township 24 South, Range 36 East, in Lea County, New Mexico (32.1688783°, -103.3119048°) and is associated with oil and gas exploration and production operations on private land.

The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water. Based on field observations, field screening activities, and soil sampling laboratory analytical results, Matador is submitting this *Closure Request*, describing Site assessment, and confirmation sampling activities that have occurred and requesting no further action for Incident Number nAPP2209827356.

## **BACKGROUND**

On April 2, 2022, a produced water poly line failed resulting in the release of approximately 511 barrels (bbls) of produced water onto an off-pad area approximately 23,734 square feet in size; 220 bbls of produced water were recovered via vacuum truck; 291 bbls of produced water were unrecoverable. Ameredev Operating, LLC (Ameredev) submitted a Release Notification Form C-141 (Form C-141) to the New Mexico Oil Conservation Division (NMOCD) via email on April 6, 2024, and the release was subsequently assigned Incident Number nAPP2209827356. The Form C-141 can be referenced on the NMOCD Portal.

Ameredev submitted a *Chloride Capture Work Plan* (CCWP) to the NMOCD on December 12, 2022. The CCWP was approved on January 10, 2023. The approved CCWP can be referenced via the web portal. The Site was operated by Ameredev from the date of the release until May 2024, when Matador acquired the Site.

## SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on the initial C-141 application subsection, Site Characterization.

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) soil boring CP-01919 POD1, located approximately 252 feet northeast of the Site. The well had a reported depth to groundwater greater than 101 feet below ground surface (bgs) and a total depth of 101 feet bgs. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

Portions of the Site are located within an intermittent dry wash. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO), TPH-diesel range organics (DRO), and (TPH)-oil range organics: 100 mg/kg
- Chloride: 600 mg/kg

## SITE ASSESMENT AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Between August 12 and August 16, 2022, Ameredev was on-site to conduct laterally and vertically delineate the release extent. Fourteen lateral delineation soil samples (GS-01W, GS-02N, GS-03E, GS-06W, GS-10E, GS-13W, GS-15E, GS-20W, GS-33E, GS-36S, GS-40E, GS-47SW, GS-58S, and GS-59S) were collected around the release extent. Seventeen boreholes (GS01, GS04, GS06, GS08, GS10, GS12, GS31, GS39, GS43, GS46, GS49, GS54, GS55, GS56, GS57, GS58, GS59) were collected within the release extent at depths ranging from 1-foot to 7.5 feet bgs to determine the vertical extent of the impacts.

Ameredev returned to the Site after the approval of the CCWP for the installation of the water drainage and collection system, but once Matador purchased the asset, the documentation of the previous work was not transferred over; however, when Ensolum visited the Site on May 2, 2025, the collection system was present and vegetative health looked to be stable and thriving, indicating the flushing of chloride to the collection system appeared to be effective. As such, an EM survey appeared warranted as described in the CCWP to assess whether additional flushing was necessary or if confirmation sampling would be sufficient to confirm the absence of chloride-impacted soil within the release extent.

On July 28, 2024, Ensolum personnel arrived at the Site to conduct an electromagnetic induction (EM) survey of the release extent utilizing a Geonics EM-38 MkII, per the approved CCWP. Once at the Site

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Ensolum personnel zeroed the EM unit and allowed warm up consistent with the Geonics manual. Ensolum personnel then collected conductivity and resistivity data of the release extent and background areas. The results of the EM survey indicate that background conductivity and resistivity range from 3 to 31 millisiemens per centimeter (mS/cm). Results from the EM survey indicate conductivity and resistivity within the release extent range from 11 to 31 mS/cm. According to the approved CCWP Electrical Conductivity (EC) less than 0.87 mS/cm equates to less than 600 mg/kg chloride. The results of the EM survey are depicted on Figure 2.

From September 15, 2025, to September 18, 2025, Ensolum personnel collected 5-point composite soil samples representing at least 500 square feet from the floor and sidewalls of the release area per a confirmation soil sampling variance included approved in the CCWP. A two-business day notice was given prior to confirmation sampling activities; however, due to an error by Ensolum, the incorrect total sampling area and total sample number to be collected were entered into the NMOCD portal. In the notice the total sampling area was noted incorrectly as 79,956 and the total samples to be gathered was listed as 450. The correct area associated with the release is 23,734 square feet and a total of 62 confirmation samples were to be collected. Forty-nine confirmation floor soil samples (FS01 through FS49) were collected from the floor of the watercourse and 13 confirmation sidewall soil samples (SW01 through SW13) were collected from the vertical banks along the watercourse to confirm the findings of the EM survey. Ensolum personnel screened soil for chloride utilizing Hach® chloride QuanTab® test strips and for TPH utilizing a PetroFLAG® soil analyzer system respectively. Photographic documentation was completed during the EM survey and confirmation sampling activities, and a photographic log is included as Appendix B. The release extent and confirmation soil sample locations are presented on Figures 3a and 3b.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice and transported under strict chain-of-custody procedures to Envirotech Analysis Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following constituents of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-ORO following EPA Method 8015M/D; and chloride following EPA Method 300.0.

## LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all confirmation floor soil samples (FS01 through FS49) indicated all COC concentrations were in compliance with the strictest Closure Criteria at ground surface. Laboratory analytical results for confirmation side wall samples (SW01 through SW13) indicated all COC concentrations were in compliance with the strictest Closure Criteria. Laboratory analytical results are summarized in Tables 1 and 2, and the complete laboratory analytical reports are included as Appendix C. NMOCD correspondence is included as Appendix D.

## CLOSURE REQUEST

The release extent has been laterally defined to the strictest Closure Criteria per NMOCD Table I by delineation soil samples GS01W, GS02N, GS06W, GS10E, GS13W, GS15E, GS20W, GS36S, GS40E, GS47SW, GS55N, GS58S, GS59S, collected at depths ranging from ground surface to 2 feet bgs by Ameredev, and vertically by boreholes GS01, GS04, GS06, GS08, GS10, GS12, GS31, GS39, GS43, GS46, GS49, GS54, GS55, GS56, GS57, GS58, GS59, collected at depths between 1-foot bgs and 7.5 feet bgs, also by Ameredev. Confirmation floor soil samples (FS01 through FS49), collected at ground surface, and confirmation sidewall soil samples (SW01 through SW13), both collected by Ensolum, were all in compliance with the Site Closure Criteria and with the reclamation requirement.

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Based on the remedial actions completed to date and a depth to groundwater greater than 101 feet bgs, Matador believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2209827356.

Upon approval of the CR Matador will remove the chloride capture system installed by Ameredev and the Site will be recontoured to match the surrounding topography.

If you have any questions or comments, please contact Ms. Ashley Giovengo at (575) 988-0055 or [agiovengo@ensolum.com](mailto:agiovengo@ensolum.com).

Sincerely,  
**Ensolum, LLC**

A handwritten signature in black ink, appearing to read "Chad Hamilton".

Chad Hamilton  
Project Geologist

A handwritten signature in black ink, appearing to read "Daniel R. Moir".

Daniel R. Moir, PG (licensed in WY & TX)  
Senior Managing Geologist

CC: Jason Touchet, Matador Production Company

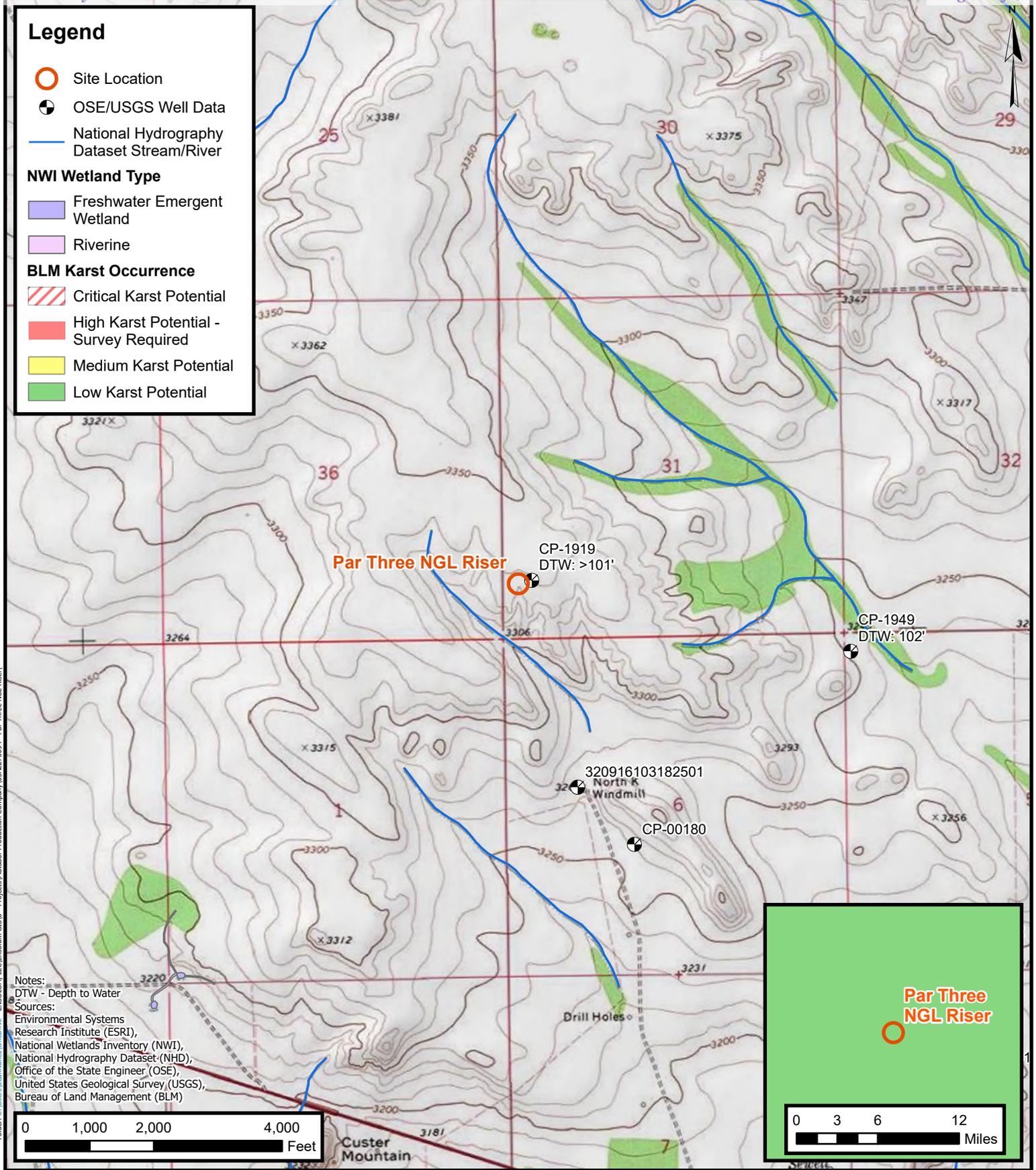
**Appendices:**

- Figure 1 Site Receptor Map
- Figure 2 Conductivity for 1m Coil Separation
- Figure 3a Confirmation Soil Sample Locations
- Figure 3b Confirmation Soil Sample Locations
  
- Table 1 Soil Sample Analytical Results (Confirmation Floor Soil Samples)
- Table 2 Soil Sample Analytical Results (Confirmation Sidewall Soil Samples)
  
- Appendix A Well Record and Log
- Appendix B Photographic Log
- Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix D NMOCD Correspondence



FIGURES

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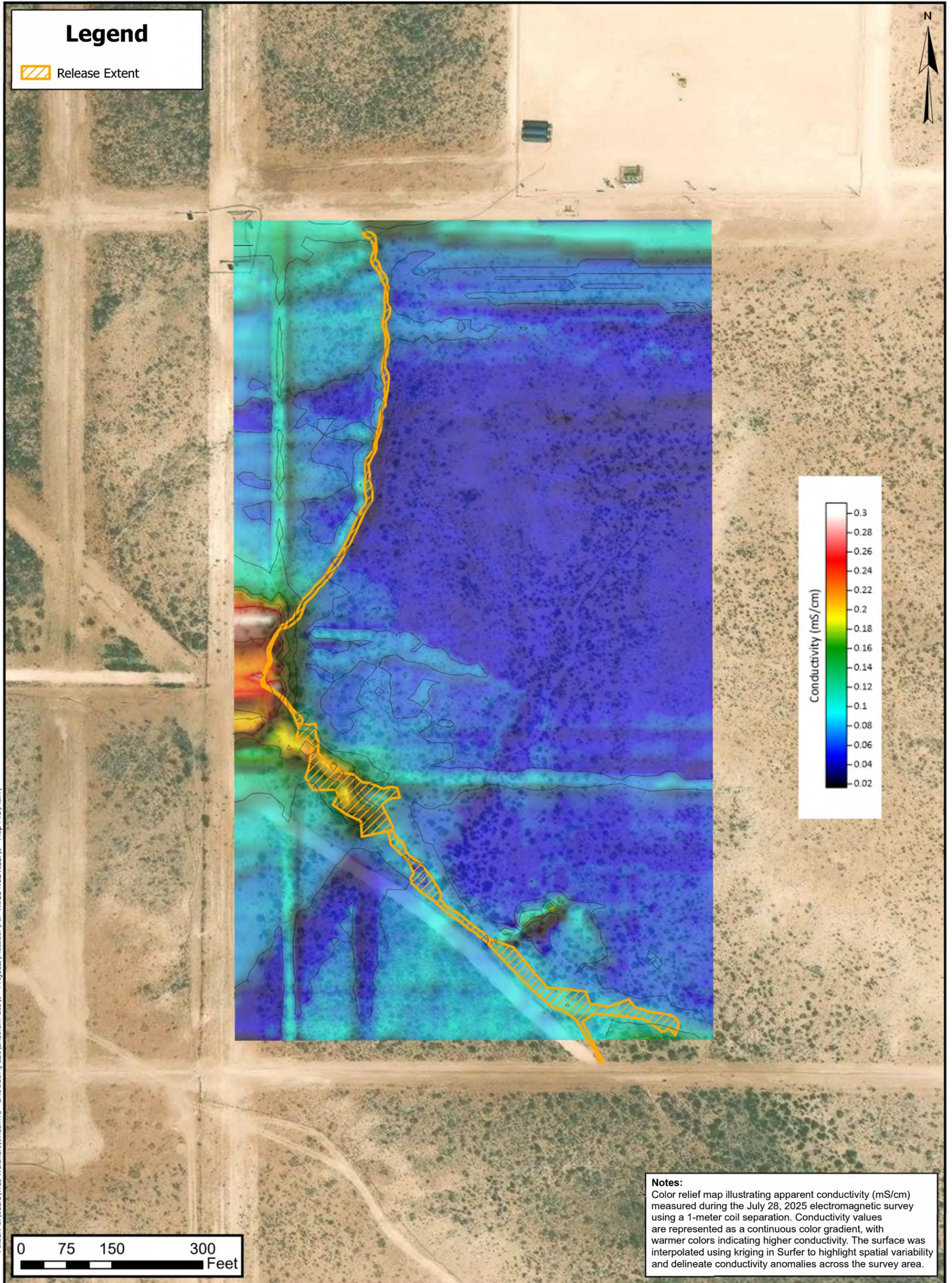


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**Site Receptor Map**  
 Matador Production Company  
 Par Three NGL Riser  
 Incident Number: nAPP2209827356  
 Unit M, Section 31, T 24S, R 36E  
 Lea County, New Mexico

**FIGURE**  
**1**



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### Conductivity for 1m Coil Separation

Matador Production Company  
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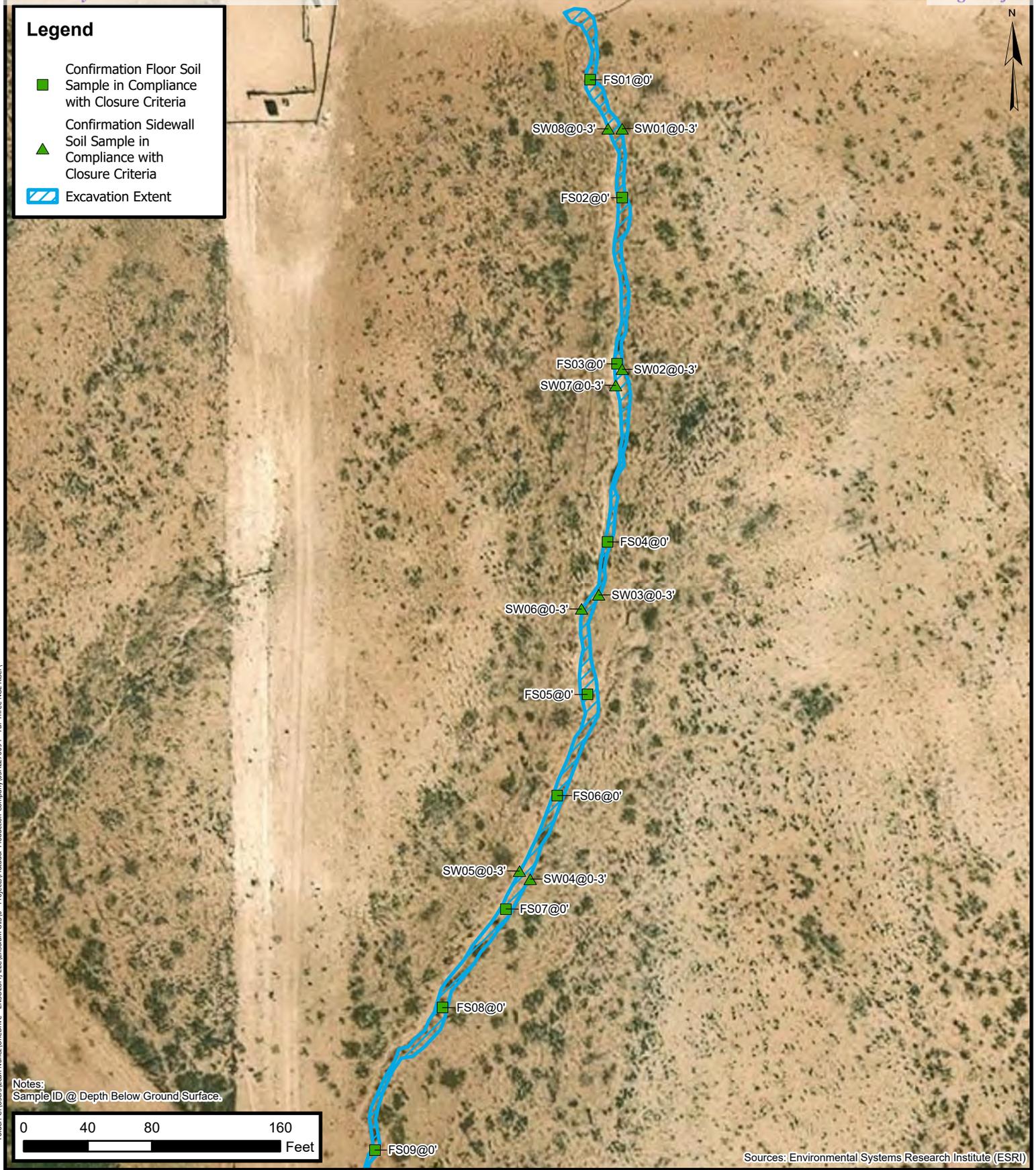
**FIGURE**

**2**



### Legend

- Confirmation Floor Soil Sample in Compliance with Closure Criteria
- ▲ Confirmation Sidewall Soil Sample in Compliance with Closure Criteria
- Excavation Extent



Notes:  
Sample ID @ Depth Below Ground Surface.

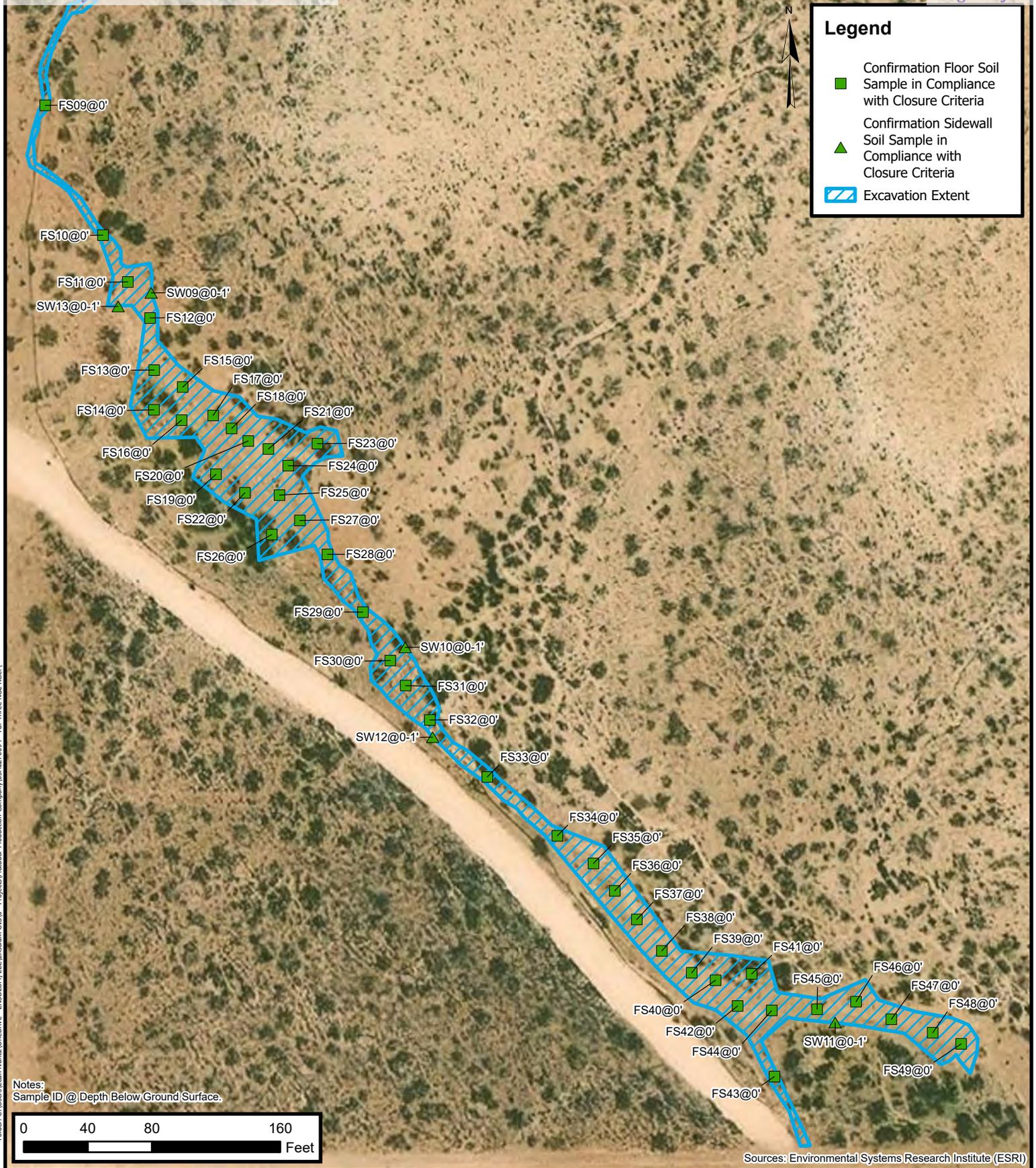
Sources: Environmental Systems Research Institute (ESRI)

## Confirmation Soil Sample Locations

Matador Production Company  
 Par Three NGL Riser  
 Incident Number: nAPP2209827356  
 Unit M, Section 31, T 24S, R 36E  
 Lea County, New Mexico

### FIGURE 3a





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# Confirmation Soil Sample Locations

Matador Production Company  
 Par Three NGL Riser  
 Incident Number: nAPP2209827356  
 Unit M, Section 31, T 24S, R 36E  
 Lea County, New Mexico

**FIGURE**  
**3b**





TABLES

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**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Par Three NGL Riser  
 Matador Production Company  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCDC Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>Confirmation Floor Soil Samples</b>										
FS01*	9/15/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS02*	9/15/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS03*	9/15/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS04*	9/15/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS05*	9/15/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS06*	9/15/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS07*	9/15/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS08*	9/15/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS09*	9/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS10*	9/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS11*	9/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS12*	9/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS13*	9/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS14*	9/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS15*	9/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS16*	9/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS17*	9/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS18*	9/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS19*	9/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS20*	9/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS21*	9/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS22*	9/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS23*	9/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS24*	9/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS25*	9/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS26*	9/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS27*	9/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS28*	9/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS29*	9/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS30*	9/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS31*	9/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS32*	9/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS33*	9/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

**TABLE 1 - CONT'D**  
**SOIL SAMPLE ANALYTICAL RESULTS - Continued**  
 Par Three NGL Riser  
 Matador Production Company  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCDC Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>Confirmation Floor Soil Samples</b>										
FS34*	9/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS35*	9/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS36*	9/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS37*	9/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS38*	9/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS39*	9/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS40*	9/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS41*	9/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS42*	9/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS43*	9/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS44*	9/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS45*	9/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS46*	9/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS47*	9/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS48*	9/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS49*	9/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

**Notes:**

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCDC: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

"<": Laboratory Analytical result is less than reporting limit

\* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon



**TABLE 2**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Par Three NGL Riser  
 Matador Production Company  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>Confirmation Sidewall Soil Samples</b>										
SW01*	9/16/2025	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW02*	9/16/2025	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW03*	9/16/2025	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW04*	9/16/2025	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW05*	9/16/2025	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW06*	9/16/2025	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW07*	9/16/2025	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW08*	9/16/2025	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW09*	9/16/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW10*	9/16/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW11*	9/16/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW12*	9/16/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW13*	9/16/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

**Notes:**

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

"<": Laboratory Analytical result is less than reporting limit

\* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon



## APPENDIX A

### Well Record and Log

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# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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

<b>1. GENERAL AND WELL LOCATION</b>	OSE POD NO. (WELL NO.) POD-1		WELL TAG ID NO. n/a		OSE FILE NO(S). CP-1919			
	WELL OWNER NAME(S) Ameredev Operating, LLC				PHONE (OPTIONAL) 737-300-4700			
	WELL OWNER MAILING ADDRESS 2901 Via Fortuna Suite 600				CITY Austin	STATE TX	ZIP 78746	
	WELL LOCATION (FROM GPS)	LATITUDE	DEGREES 32	MINUTES 10	SECONDS 8.46	N		* ACCURACY REQUIRED: ONE TENTH OF A SECOND
	LONGITUDE	103	18	40.42	W		* DATUM REQUIRED: WGS 84	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW L4 Sec.31 T24S R36S NMPM								
<b>2. DRILLING &amp; CASING INFORMATION</b>	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 9/20/22	DRILLING ENDED 9/20/2022	DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) ±101	DEPTH WATER FIRST ENCOUNTERED (FT) n/a			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a	DATE STATIC MEASURED 9/26/2022		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	101	±6.25"	Boring-HSA	--	--	--	--
<b>3. ANNULAR MATERIAL</b>	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

OSE DIV SEP 30 2022 PM 1:27

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)			
FILE NO.	CP-1919	POD NO.	1	TRN NO.	733737
LOCATION	24S. 36E. 31	133	WELL TAG ID NO.	PAGE 1 OF 2	



Mike A. Hamman, P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER

Trn Nbr: 733737  
File Nbr: CP 01919  
Well File Nbr: CP 01919 POD1

Oct. 04, 2022

ANDREW PARKER  
AMEREDEV OPERATING, LLC  
2901 VIA FORTUNA SUITE 600  
AUSTIN, TX 78746

Greetings:

The above numbered permit was issued in your name on 09/12/2022.

The Well Record was received in this office on 09/30/2022, stating that it had been completed on 09/20/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 09/12/2023.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in cursive script that reads "Vanessa Clements".

Vanessa Clements  
(575) 622-6521

drywell



## APPENDIX B

### Photographic Log

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**Photographic Log**  
Matador Production Company  
Par Three NGL Riser  
nAPP2209827356



Photograph 1 Date: 5/2/2025  
Description: Release Area  
View: South

Photograph 2 Date: 5/2/2025  
Description: Release Area  
View: Southeast



Photograph 3 Date: 5/2/2025  
Description: Release Area  
View: South

Photograph 4 Date: 5/2/2025  
Description: Release Area  
View: Northeast



**Photographic Log**  
Matador Production Company  
Par Three NGL Riser  
nAPP2209827356



Photograph 5  
Date: 5/2/2025  
Description: Release Area  
View: Southeast

Photograph 6  
Date: 5/2/2025  
Description: Release Area  
View: Southeast



Photograph 7  
Date: 5/2/2025  
Description: North Catch Basin  
View: Southeast

Photograph 8  
Date: 5/2/2025  
Description: South Catch Basin  
View: West



**Photographic Log**  
Matador Production Company  
Par Three NGL Riser  
nAPP2209827356



Photograph 9 Date: 7/28/2025  
Description: EM Survey  
View: North



Photograph 10 Date: 7/28/2025  
Description: EM Survey  
View: North



Photograph 11 Date: 9/15/2025  
Description: Confirmation Sampling  
View: Southeast



Photograph 12 Date: 9/15/2025  
Description: Confirmation Sampling  
View: Northeast



**Photographic Log**  
Matador Production Company  
Par Three NGL Riser  
nAPP2209827356



Photograph 13 Date: 9/16/2025  
Description: Confirmation Sampling  
View: Southwest

Photograph 14 Date: 9/16/2025  
Description: Confirmation Sampling  
View: Southwest



Photograph 15 Date: 9/17/2025  
Description: Confirmation Sampling  
View: East

Photograph 16 Date: 9/17/2025  
Description: Confirmation Sampling  
View: Northwest



**Photographic Log**  
Matador Production Company  
Par Three NGL Riser  
nAPP2209827356



Photograph 17 Date: 9/17/2025  
Description: Confirmation Sampling  
View: Northwest

Photograph 18 Date: 9/18/2025  
Description: Confirmation Sampling  
View: Northeast



Photograph 19 Date: 9/18/2025  
Description: Confirmation Sampling  
View: North

Photograph 20 Date: 9/18/2025  
Description: Confirmation Sampling  
View: North



## APPENDIX C

# Laboratory Analytical Reports & Chain-of-Custody Documentation

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Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Par Three NGL Riser

Work Order: E509162

Job Number: 23003-0002

Received: 9/18/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/23/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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.

Date Reported: 9/23/25



Ashley Giovengo  
5400 LBJ Freeway, Suite 1500  
Dallas, TX 75240

Project Name: Par Three NGL Riser  
Workorder: E509162  
Date Received: 9/18/2025 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/18/2025 7:45:00AM, under the Project Name: Par Three NGL Riser.

The analytical test results summarized in this report with the Project Name: Par Three NGL Riser 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 regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
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Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 09/23/25 09:18
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-0'	E509162-01A	Soil	09/15/25	09/18/25	Glass Jar, 2 oz.
FS02-0'	E509162-02A	Soil	09/15/25	09/18/25	Glass Jar, 2 oz.
FS03-0'	E509162-03A	Soil	09/15/25	09/18/25	Glass Jar, 2 oz.
FS04-0'	E509162-04A	Soil	09/15/25	09/18/25	Glass Jar, 2 oz.
FS05-0'	E509162-05A	Soil	09/15/25	09/18/25	Glass Jar, 2 oz.
FS06-0'	E509162-06A	Soil	09/15/25	09/18/25	Glass Jar, 2 oz.
FS07-0'	E509162-07A	Soil	09/15/25	09/18/25	Glass Jar, 2 oz.
FS08-0'	E509162-08A	Soil	09/15/25	09/18/25	Glass Jar, 2 oz.



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/23/2025 9:18:10AM
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**FS01-0'**

**E509162-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538088
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.2 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.4 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2538080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/18/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	09/18/25	09/18/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2538091
Chloride	ND	20.0	1	09/18/25	09/18/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/23/2025 9:18:10AM
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**FS02-0'**

**E509162-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2538088
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.7 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2538088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.1 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2538080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/18/25	
<i>Surrogate: n-Nonane</i>						
		95.4 %	61-141	09/18/25	09/18/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2538091
Chloride	ND	20.0	1	09/18/25	09/18/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/23/2025 9:18:10AM
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**FS03-0'**

**E509162-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2538088
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.4 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2538088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.7 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2538080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/18/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	09/18/25	09/18/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2538091
Chloride	ND	20.0	1	09/18/25	09/18/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/23/2025 9:18:10AM
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**FS04-0'**

**E509162-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538088
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.1 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.9 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2538080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/18/25	
<i>Surrogate: n-Nonane</i>		96.7 %	61-141	09/18/25	09/18/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2538091
Chloride	ND	20.0	1	09/18/25	09/18/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/23/2025 9:18:10AM
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**FS05-0'**

**E509162-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2538088
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.4 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2538088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.8 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2538080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/18/25	
<i>Surrogate: n-Nonane</i>						
		97.0 %	61-141	09/18/25	09/18/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2538091
Chloride	ND	20.0	1	09/18/25	09/18/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/23/2025 9:18:10AM
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**FS06-0'**

**E509162-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2538088
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.2 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2538088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.7 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2538080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/18/25	
<i>Surrogate: n-Nonane</i>						
		99.9 %	61-141	09/18/25	09/18/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2538091
Chloride	ND	20.0	1	09/18/25	09/18/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/23/2025 9:18:10AM
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**FS07-0'**

**E509162-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2538088
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.5 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2538088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.0 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2538080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/18/25	
<i>Surrogate: n-Nonane</i>						
		97.8 %	61-141	09/18/25	09/18/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2538091
Chloride	ND	20.0	1	09/18/25	09/18/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/23/2025 9:18:10AM
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**FS08-0'**

**E509162-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538088
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.2 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.6 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2538080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/18/25	
<i>Surrogate: n-Nonane</i>		97.1 %	61-141	09/18/25	09/18/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2538091
Chloride	ND	20.0	1	09/18/25	09/18/25	



### QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/23/2025 9:18:10AM
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#### Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2538088-BLK1)**

Prepared: 09/18/25 Analyzed: 09/19/25

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	7.41		8.00		92.7	70-130			

**LCS (2538088-BS1)**

Prepared: 09/18/25 Analyzed: 09/19/25

Benzene	4.52	0.0250	5.00		90.4	70-130			
Ethylbenzene	4.51	0.0250	5.00		90.1	70-130			
Toluene	4.55	0.0250	5.00		91.1	70-130			
o-Xylene	4.58	0.0250	5.00		91.6	70-130			
p,m-Xylene	9.11	0.0500	10.0		91.1	70-130			
Total Xylenes	13.7	0.0250	15.0		91.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.42		8.00		92.7	70-130			

**Matrix Spike (2538088-MS1)**

Source: E509179-01

Prepared: 09/18/25 Analyzed: 09/19/25

Benzene	3.88	0.0250	5.00	ND	77.6	70-130			
Ethylbenzene	3.85	0.0250	5.00	ND	77.0	70-130			
Toluene	3.90	0.0250	5.00	ND	77.9	70-130			
o-Xylene	3.96	0.0250	5.00	ND	79.2	70-130			
p,m-Xylene	7.82	0.0500	10.0	ND	78.2	70-130			
Total Xylenes	11.8	0.0250	15.0	ND	78.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.8	70-130			

**Matrix Spike Dup (2538088-MSD1)**

Source: E509179-01

Prepared: 09/18/25 Analyzed: 09/19/25

Benzene	4.24	0.0250	5.00	ND	84.8	70-130	8.86	27	
Ethylbenzene	4.21	0.0250	5.00	ND	84.3	70-130	9.06	26	
Toluene	4.27	0.0250	5.00	ND	85.3	70-130	9.08	20	
o-Xylene	4.32	0.0250	5.00	ND	86.3	70-130	8.63	25	
p,m-Xylene	8.53	0.0500	10.0	ND	85.3	70-130	8.76	23	
Total Xylenes	12.8	0.0250	15.0	ND	85.7	70-130	8.72	26	
Surrogate: 4-Bromochlorobenzene-PID	7.27		8.00		90.9	70-130			



### QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/23/2025 9:18:10AM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2538088-BLK1)**

Prepared: 09/18/25 Analyzed: 09/19/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		90.9	70-130			

**LCS (2538088-BS2)**

Prepared: 09/18/25 Analyzed: 09/19/25

Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			

**Matrix Spike (2538088-MS2)**

Source: E509179-01

Prepared: 09/18/25 Analyzed: 09/19/25

Gasoline Range Organics (C6-C10)	49.2	20.0	50.0	ND	98.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.05		8.00		88.2	70-130			

**Matrix Spike Dup (2538088-MSD2)**

Source: E509179-01

Prepared: 09/18/25 Analyzed: 09/19/25

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0	ND	90.9	70-130	7.98	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			



### QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/23/2025 9:18:10AM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2538080-BLK1)**

Prepared: 09/18/25 Analyzed: 09/18/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.5		50.0		95.0	61-141			

**LCS (2538080-BS1)**

Prepared: 09/18/25 Analyzed: 09/18/25

Diesel Range Organics (C10-C28)	254	25.0	250		101	66-144			
Surrogate: n-Nonane	48.2		50.0		96.4	61-141			

**Matrix Spike (2538080-MS1)**

Source: E509177-01

Prepared: 09/18/25 Analyzed: 09/18/25

Diesel Range Organics (C10-C28)	274	25.0	250	ND	109	56-156			
Surrogate: n-Nonane	48.5		50.0		97.0	61-141			

**Matrix Spike Dup (2538080-MSD1)**

Source: E509177-01

Prepared: 09/18/25 Analyzed: 09/18/25

Diesel Range Organics (C10-C28)	280	25.0	250	ND	112	56-156	2.27	20	
Surrogate: n-Nonane	49.4		50.0		98.9	61-141			



### QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/23/2025 9:18:10AM
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#### Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2538091-BLK1)**

Prepared: 09/18/25 Analyzed: 09/18/25

Chloride ND 20.0

**LCS (2538091-BS1)**

Prepared: 09/18/25 Analyzed: 09/18/25

Chloride 250 20.0 250 99.8 90-110

**Matrix Spike (2538091-MS1)**

Source: E509162-04

Prepared: 09/18/25 Analyzed: 09/18/25

Chloride 251 20.0 250 ND 101 80-120

**Matrix Spike Dup (2538091-MSD1)**

Source: E509162-04

Prepared: 09/18/25 Analyzed: 09/18/25

Chloride 251 20.0 250 ND 100 80-120 0.0919 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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 09/23/25 09:18
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



<b>Client Information</b>				<b>Invoice Information</b>				<b>Lab Use Only</b>				<b>TAT</b>				<b>State</b>			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Par Three NGL Riser				Address: 3122 National Parks Hwy				E 5091162		2303-002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information					Analysis and Method										EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filtet	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1006 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1253	9/15/2025	S	1	FS01 - 0'			1								X					
1251	9/15/2025	S	1	FS02 - 0'			2								X					
1249	9/15/2025	S	1	FS03 - 0'			3								X					
1247	9/15/2025	S	1	FS04 - 0'			4								X					
1245	9/15/2025	S	1	FS05 - 0'			5								X					
1243	9/15/2025	S	1	FS06 - 0'			6								X					
1241	9/15/2025	S	1	FS07 - 0'			7								X					
1239	9/15/2025	S	1	FS08 - 0'			8								X					

**Additional Instructions:** Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmcauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

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

Sampled by: <u>Jarad McCauley</u>						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.  Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Jarad McCauley</i>	9-16-25	1530	<i>Martina Gomez</i>	9-16-25	1530	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Martina Gomez</i>	9-16-25	2000	<i>Andrew Musso</i>	9-16-25	2000	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Andrew Musso</i>	9-17-25	0300	<i>Caitlin Mar</i>	9-18-25	745	

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 14 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 Analytical Laboratory

Printed: 9/18/2025 10:27:13AM

#### 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: Matador Resources, LLC.	Date Received: 09/18/25 07:45	Work Order ID: E509162
Phone: (972) 371-5200	Date Logged In: 09/16/25 14:58	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 09/23/25 17:00 (3 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? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

#### 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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

#### 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 filtration 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:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Par Three NGL Riser

Work Order: E509185

Job Number: 23003-0002

Received: 9/18/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/24/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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.

Date Reported: 9/24/25



Ashley Giovengo  
5400 LBJ Freeway, Suite 1500  
Dallas, TX 75240

Project Name: Par Three NGL Riser  
Workorder: E509185  
Date Received: 9/18/2025 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/18/2025 7:45:00AM, under the Project Name: Par Three NGL Riser.

The analytical test results summarized in this report with the Project Name: Par Three NGL Riser 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 regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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**Sample Summary**

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name:

Par Three NGL Riser

Project Number:

23003-0002

Project Manager:

Ashley Giovengo

**Reported:**

09/24/25 09:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01-0-3'	E509185-01A	Soil	09/16/25	09/18/25	Glass Jar, 2 oz.
SW02-0-3'	E509185-02A	Soil	09/16/25	09/18/25	Glass Jar, 2 oz.
SW03-0-3'	E509185-03A	Soil	09/16/25	09/18/25	Glass Jar, 2 oz.
SW04-0-3'	E509185-04A	Soil	09/16/25	09/18/25	Glass Jar, 2 oz.
SW05-0-3'	E509185-05A	Soil	09/16/25	09/18/25	Glass Jar, 2 oz.
SW06-0-3'	E509185-06A	Soil	09/16/25	09/18/25	Glass Jar, 2 oz.
SW07-0-3'	E509185-07A	Soil	09/16/25	09/18/25	Glass Jar, 2 oz.
SW08-0-3'	E509185-08A	Soil	09/16/25	09/18/25	Glass Jar, 2 oz.
SW09-0-1'	E509185-09A	Soil	09/16/25	09/18/25	Glass Jar, 2 oz.
SW10-0-1'	E509185-10A	Soil	09/16/25	09/18/25	Glass Jar, 2 oz.
SW11-0-1'	E509185-11A	Soil	09/16/25	09/18/25	Glass Jar, 2 oz.
SW12-0-1'	E509185-12A	Soil	09/16/25	09/18/25	Glass Jar, 2 oz.
SW13-0-1'	E509185-13A	Soil	09/16/25	09/18/25	Glass Jar, 2 oz.



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/24/2025 9:25:20AM
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**SW01-0-3'**

**E509185-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2538096
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.7 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2538096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KH		Batch: 2538094
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/18/25	
<i>Surrogate: n-Nonane</i>		88.3 %	61-141	09/18/25	09/18/25	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: DT		Batch: 2538099
Chloride	ND	20.0	1	09/18/25	09/18/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/24/2025 9:25:20AM
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**SW02-0-3'**

**E509185-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.1 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2538094
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/18/25	
<i>Surrogate: n-Nonane</i>		86.2 %	61-141	09/18/25	09/18/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2538099
Chloride	ND	20.0	1	09/18/25	09/18/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/24/2025 9:25:20AM
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**SW03-0-3'**

**E509185-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.8 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2538094
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/18/25	
<i>Surrogate: n-Nonane</i>		87.4 %	61-141	09/18/25	09/18/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2538099
Chloride	ND	20.0	1	09/18/25	09/18/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/24/2025 9:25:20AM
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**SW04-0-3'**

**E509185-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.5 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2538094
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/18/25	
<i>Surrogate: n-Nonane</i>		87.5 %	61-141	09/18/25	09/18/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2538099
Chloride	ND	20.0	1	09/18/25	09/18/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/24/2025 9:25:20AM
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**SW05-0-3'**

**E509185-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.2 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2538094
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/19/25	
<i>Surrogate: n-Nonane</i>		87.4 %	61-141	09/18/25	09/19/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2538099
Chloride	ND	20.0	1	09/18/25	09/18/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/24/2025 9:25:20AM
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**SW06-0-3'**

**E509185-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.8 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2538094
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/19/25	
<i>Surrogate: n-Nonane</i>		88.0 %	61-141	09/18/25	09/19/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2538099
Chloride	ND	20.0	1	09/18/25	09/18/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/24/2025 9:25:20AM
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**SW07-0-3'**

**E509185-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.6 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2538094
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/19/25	
<i>Surrogate: n-Nonane</i>		86.2 %	61-141	09/18/25	09/19/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2538099
Chloride	ND	20.0	1	09/18/25	09/18/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/24/2025 9:25:20AM
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**SW08-0-3'**

**E509185-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.2 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2538094
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/19/25	
<i>Surrogate: n-Nonane</i>		85.7 %	61-141	09/18/25	09/19/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2538099
Chloride	ND	20.0	1	09/18/25	09/18/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/24/2025 9:25:20AM
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**SW09-0-1'**

**E509185-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.2 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2538094
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/19/25	
<i>Surrogate: n-Nonane</i>		88.4 %	61-141	09/18/25	09/19/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2538099
Chloride	ND	20.0	1	09/18/25	09/18/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/24/2025 9:25:20AM
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**SW10-0-1'**

**E509185-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.2 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2538094
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/19/25	
<i>Surrogate: n-Nonane</i>		88.7 %	61-141	09/18/25	09/19/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2538099
Chloride	ND	20.0	1	09/18/25	09/19/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/24/2025 9:25:20AM
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**SW11-0-1'**

**E509185-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.3 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2538094
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/19/25	
<i>Surrogate: n-Nonane</i>		85.6 %	61-141	09/18/25	09/19/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2538099
Chloride	ND	20.0	1	09/18/25	09/19/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/24/2025 9:25:20AM
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**SW12-0-1'**

**E509185-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.2 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2538094
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/19/25	
<i>Surrogate: n-Nonane</i>		86.4 %	61-141	09/18/25	09/19/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2538099
Chloride	ND	20.0	1	09/18/25	09/19/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/24/2025 9:25:20AM
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**SW13-0-1'**

**E509185-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.6 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		102 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2538094
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/19/25	
<i>Surrogate: n-Nonane</i>						
		85.4 %	61-141	09/18/25	09/19/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2538099
Chloride	ND	20.0	1	09/18/25	09/19/25	



### QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/24/2025 9:25:20AM
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#### Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2538096-BLK1)**

Prepared: 09/18/25 Analyzed: 09/19/25

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	7.84		8.00		98.0	70-130			

**LCS (2538096-BS1)**

Prepared: 09/18/25 Analyzed: 09/19/25

Benzene	4.86	0.0250	5.00		97.2	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.2	70-130			
Toluene	4.96	0.0250	5.00		99.2	70-130			
o-Xylene	4.98	0.0250	5.00		99.5	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.8	70-130			

**Matrix Spike (2538096-MS1)**

Source: E509185-04

Prepared: 09/18/25 Analyzed: 09/19/25

Benzene	4.76	0.0250	5.00	ND	95.2	70-130			
Ethylbenzene	4.85	0.0250	5.00	ND	97.0	70-130			
Toluene	4.85	0.0250	5.00	ND	97.0	70-130			
o-Xylene	4.91	0.0250	5.00	ND	98.2	70-130			
p,m-Xylene	9.86	0.0500	10.0	ND	98.6	70-130			
Total Xylenes	14.8	0.0250	15.0	ND	98.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.7	70-130			

**Matrix Spike Dup (2538096-MSD1)**

Source: E509185-04

Prepared: 09/18/25 Analyzed: 09/19/25

Benzene	4.48	0.0250	5.00	ND	89.6	70-130	6.04	27	
Ethylbenzene	4.57	0.0250	5.00	ND	91.3	70-130	6.02	26	
Toluene	4.57	0.0250	5.00	ND	91.4	70-130	5.94	20	
o-Xylene	4.67	0.0250	5.00	ND	93.3	70-130	5.03	25	
p,m-Xylene	9.32	0.0500	10.0	ND	93.2	70-130	5.71	23	
Total Xylenes	14.0	0.0250	15.0	ND	93.2	70-130	5.49	26	
Surrogate: 4-Bromochlorobenzene-PID	8.08		8.00		101	70-130			



### QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/24/2025 9:25:20AM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2538096-BLK1)**

Prepared: 09/18/25 Analyzed: 09/19/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.08		8.00		101	70-130			

**LCS (2538096-BS2)**

Prepared: 09/18/25 Analyzed: 09/19/25

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.18		8.00		102	70-130			

**Matrix Spike (2538096-MS2)**

Source: E509185-04

Prepared: 09/18/25 Analyzed: 09/19/25

Gasoline Range Organics (C6-C10)	43.2	20.0	50.0	ND	86.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.2	70-130			

**Matrix Spike Dup (2538096-MSD2)**

Source: E509185-04

Prepared: 09/18/25 Analyzed: 09/19/25

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0	ND	104	70-130	18.2	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.13		8.00		102	70-130			



### QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/24/2025 9:25:20AM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2538094-BLK1)**

Prepared: 09/18/25 Analyzed: 09/18/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	42.2		50.0		84.3	61-141			

**LCS (2538094-BS1)**

Prepared: 09/18/25 Analyzed: 09/18/25

Diesel Range Organics (C10-C28)	219	25.0	250		87.4	66-144			
Surrogate: <i>n</i> -Nonane	43.1		50.0		86.1	61-141			

**Matrix Spike (2538094-MS1)**

Source: E509184-04

Prepared: 09/18/25 Analyzed: 09/18/25

Diesel Range Organics (C10-C28)	226	25.0	250	ND	90.2	56-156			
Surrogate: <i>n</i> -Nonane	43.8		50.0		87.5	61-141			

**Matrix Spike Dup (2538094-MSD1)**

Source: E509184-04

Prepared: 09/18/25 Analyzed: 09/18/25

Diesel Range Organics (C10-C28)	231	25.0	250	ND	92.5	56-156	2.50	20	
Surrogate: <i>n</i> -Nonane	44.8		50.0		89.6	61-141			



### QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/24/2025 9:25:20AM
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#### Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2538099-BLK1)**

Prepared: 09/18/25 Analyzed: 09/18/25

Chloride ND 20.0

**LCS (2538099-BS1)**

Prepared: 09/18/25 Analyzed: 09/18/25

Chloride 257 20.0 250 103 90-110

**Matrix Spike (2538099-MS1)**

Source: E509182-03

Prepared: 09/18/25 Analyzed: 09/18/25

Chloride 578 20.0 250 298 112 80-120

**Matrix Spike Dup (2538099-MSD1)**

Source: E509182-03

Prepared: 09/18/25 Analyzed: 09/18/25

Chloride 570 20.0 250 298 109 80-120 1.40 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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 09/24/25 09:25
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



<b>Client Information</b>				<b>Invoice Information</b>				<b>Lab Use Only</b>				<b>TAT</b>				<b>State</b>			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Par Three NGL Riser				Address: 3122 National Parks Hwy				E509185		2303.000Z					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information					Analysis and Method										EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005-TX	PCBA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1231	9/16/2025	S	1	SW01 - 0 - 3'		1								X					
1228	9/16/2025	S	1	SW02 - 0 - 3'		2								X					
1225	9/16/2025	S	1	SW03 - 0 - 3'		3								X					
1222	9/16/2025	S	1	SW04 - 0 - 3'		4								X					
1243	9/16/2025	S	1	SW05 - 0 - 3'		5								X					
1240	9/16/2025	S	1	SW06 - 0 - 3'		6								X					
1237	9/16/2025	S	1	SW07 - 0 - 3'		7								X					
1234	9/16/2025	S	1	SW08 - 0 - 3'		8								X					
1252	9/16/2025	S	1	SW09 - 0 - 1'		9								X					
1255	9/16/2025	S	1	SW10 - 0 - 1'		10								X					

**Additional Instructions:** Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, lhinkle@ensolum.com, eplugge@ensolum.com

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

Sampled by: <u>Jarad McCauley</u>						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.  Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N
Relinquished by: (Signature) <u>Jarad McCauley</u>	Date: <u>9-17-25</u>	Time: <u>711</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date: <u>9-17-25</u>	Time: <u>0711</u>	
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date: <u>9-17-25</u>	Time: <u>1545</u>	Received by: (Signature) <u>Marissa Gonzales</u>	Date: <u>9-17-25</u>	Time: <u>1545</u>	
Relinquished by: (Signature) <u>Marissa Gonzales</u>	Date: <u>9-17-25</u>	Time: <u>1925</u>	Received by: (Signature) <u>Andrew Musso</u>	Date: <u>9-17-25</u>	Time: <u>1925</u>	
Relinquished by: (Signature) <u>Andrew Musso</u>	Date: <u>9-17-25</u>	Time: <u>2345</u>	Received by: (Signature) <u>Caitlyn Han</u>	Date: <u>9-18-25</u>	Time: <u>745</u>	

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 14 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.

<b>Client Information</b>				<b>Invoice Information</b>				<b>Lab Use Only</b>				<b>TAT</b>				<b>State</b>			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Par Three NGL Riser				Address: 3122 National Parks Hwy				E59185		28003-0002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005-TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																Compliance	Y	or	N	
																PWSID #				
																Sample Temp			Remarks	
1258	9/16/2025	S	1	SW11-0-1'		11								X		2.6				
1301	9/16/2025	S	1	SW12-0-1'		12								X		24				
1304	9/16/2025	S	1	SW13-0-1'		13								X		3.2				

**Additional Instructions:** Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmcauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, lhinkle@ensolum.com, eplugge@ensolum.com

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

Sampled by: Jarad McCauley

Relinquished by: (Signature) <i>JM</i>	Date 9.17.25	Time 711	Received by: (Signature) <i>Michelle Gonzales</i>	Date 9-17-25	Time 0711	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.  <b>Lab Use Only</b> Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date 9-17-25	Time 1545	Received by: (Signature) <i>Marissa Gonzales</i>	Date 9-17-25	Time 1545	
Relinquished by: (Signature) <i>Marissa Gonzales</i>	Date 9-17-25	Time 1925	Received by: (Signature) <i>Andrew Musso</i>	Date 9-17-25	Time 1925	
Relinquished by: (Signature) <i>Andrew Musso</i>	Date 9-17-25	Time 2345	Received by: (Signature) <i>Caitlin Man</i>	Date 9-18-25	Time 745	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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 14 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 Analytical Laboratory

Printed: 9/18/2025 10:45:29AM

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: Matador Resources, LLC. Date Received: 09/18/25 07:45 Work Order ID: E509185
Phone: (972) 371-5200 Date Logged In: 09/18/25 09:16 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 09/24/25 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? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

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 filtration 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

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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

Date



envirotech Inc.

Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Par Three NGL Riser

Work Order: E509203

Job Number: 23003-0002

Received: 9/19/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/25/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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.



Date Reported: 9/25/25

Ashley Giovengo  
5400 LBJ Freeway, Suite 1500  
Dallas, TX 75240

Project Name: Par Three NGL Riser  
Workorder: E509203  
Date Received: 9/19/2025 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/19/2025 7:45:00AM, under the Project Name: Par Three NGL Riser.

The analytical test results summarized in this report with the Project Name: Par Three NGL Riser 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 regarding 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,

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### Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 09/25/25 09:28
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS09-0'	E509203-01A	Soil	09/17/25	09/19/25	Glass Jar, 2 oz.
FS10-0'	E509203-02A	Soil	09/17/25	09/19/25	Glass Jar, 2 oz.
FS11-0'	E509203-03A	Soil	09/17/25	09/19/25	Glass Jar, 2 oz.
FS12-0'	E509203-04A	Soil	09/17/25	09/19/25	Glass Jar, 2 oz.
FS13-0'	E509203-05A	Soil	09/17/25	09/19/25	Glass Jar, 2 oz.
FS14-0'	E509203-06A	Soil	09/17/25	09/19/25	Glass Jar, 2 oz.
FS15-0'	E509203-07A	Soil	09/17/25	09/19/25	Glass Jar, 2 oz.
FS16-0'	E509203-08A	Soil	09/17/25	09/19/25	Glass Jar, 2 oz.
FS17-0'	E509203-09A	Soil	09/17/25	09/19/25	Glass Jar, 2 oz.
FS18-0'	E509203-10A	Soil	09/17/25	09/19/25	Glass Jar, 2 oz.
FS19-0'	E509203-11A	Soil	09/17/25	09/19/25	Glass Jar, 2 oz.
FS20-0'	E509203-12A	Soil	09/17/25	09/19/25	Glass Jar, 2 oz.
FS21-0'	E509203-13A	Soil	09/17/25	09/19/25	Glass Jar, 2 oz.
FS22-0'	E509203-14A	Soil	09/17/25	09/19/25	Glass Jar, 2 oz.
FS23-0'	E509203-15A	Soil	09/17/25	09/19/25	Glass Jar, 2 oz.
FS24-0'	E509203-16A	Soil	09/17/25	09/19/25	Glass Jar, 2 oz.
FS25-0'	E509203-17A	Soil	09/17/25	09/19/25	Glass Jar, 2 oz.
FS26-0'	E509203-18A	Soil	09/17/25	09/19/25	Glass Jar, 2 oz.
FS27-0'	E509203-19A	Soil	09/17/25	09/19/25	Glass Jar, 2 oz.
FS28-0'	E509203-20A	Soil	09/17/25	09/19/25	Glass Jar, 2 oz.
FS29-0'	E509203-21A	Soil	09/17/25	09/19/25	Glass Jar, 2 oz.

### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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**FS09-0'**

**E509203-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Benzene	ND	0.0250	1	09/19/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/19/25	09/20/25	
Toluene	ND	0.0250	1	09/19/25	09/20/25	
o-Xylene	ND	0.0250	1	09/19/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/19/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/19/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.4 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2539001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/25	09/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/22/25	09/24/25	
<i>Surrogate: n-Nonane</i>						
		90.8 %	61-141	09/22/25	09/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2539014
Chloride	ND	20.0	1	09/22/25	09/22/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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**FS10-0'**

**E509203-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Benzene	ND	0.0250	1	09/19/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/19/25	09/20/25	
Toluene	ND	0.0250	1	09/19/25	09/20/25	
o-Xylene	ND	0.0250	1	09/19/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/19/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/19/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.8 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2539001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/25	09/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/22/25	09/24/25	
<i>Surrogate: n-Nonane</i>		93.1 %	61-141	09/22/25	09/24/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2539014
Chloride	ND	20.0	1	09/22/25	09/22/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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**FS11-0'**

**E509203-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Benzene	ND	0.0250	1	09/19/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/19/25	09/20/25	
Toluene	ND	0.0250	1	09/19/25	09/20/25	
o-Xylene	ND	0.0250	1	09/19/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/19/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/19/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.5 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2539001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/25	09/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/22/25	09/24/25	
<i>Surrogate: n-Nonane</i>		94.5 %	61-141	09/22/25	09/24/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2539014
Chloride	ND	20.0	1	09/22/25	09/22/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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**FS12-0'**

**E509203-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Benzene	ND	0.0250	1	09/19/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/19/25	09/20/25	
Toluene	ND	0.0250	1	09/19/25	09/20/25	
o-Xylene	ND	0.0250	1	09/19/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/19/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/19/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.5 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2539001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/25	09/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/22/25	09/24/25	
<i>Surrogate: n-Nonane</i>		97.6 %	61-141	09/22/25	09/24/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2539014
Chloride	ND	20.0	1	09/22/25	09/22/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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**FS13-0'**

**E509203-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Benzene	ND	0.0250	1	09/19/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/19/25	09/20/25	
Toluene	ND	0.0250	1	09/19/25	09/20/25	
o-Xylene	ND	0.0250	1	09/19/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/19/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/19/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.8 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2539001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/25	09/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/22/25	09/24/25	
<i>Surrogate: n-Nonane</i>		92.9 %	61-141	09/22/25	09/24/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2539014
Chloride	ND	20.0	1	09/22/25	09/22/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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**FS14-0'**

**E509203-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Benzene	ND	0.0250	1	09/19/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/19/25	09/20/25	
Toluene	ND	0.0250	1	09/19/25	09/20/25	
o-Xylene	ND	0.0250	1	09/19/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/19/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/19/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.1 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2539001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/25	09/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/22/25	09/24/25	
<i>Surrogate: n-Nonane</i>		93.3 %	61-141	09/22/25	09/24/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2539014
Chloride	ND	20.0	1	09/22/25	09/22/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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**FS15-0'**

**E509203-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Benzene	ND	0.0250	1	09/19/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/19/25	09/20/25	
Toluene	ND	0.0250	1	09/19/25	09/20/25	
o-Xylene	ND	0.0250	1	09/19/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/19/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/19/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.0 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2539001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/25	09/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/22/25	09/24/25	
<i>Surrogate: n-Nonane</i>		95.5 %	61-141	09/22/25	09/24/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2539014
Chloride	ND	20.0	1	09/22/25	09/22/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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**FS16-0'**

**E509203-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Benzene	ND	0.0250	1	09/19/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/19/25	09/20/25	
Toluene	ND	0.0250	1	09/19/25	09/20/25	
o-Xylene	ND	0.0250	1	09/19/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/19/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/19/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2539001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/25	09/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/22/25	09/24/25	
<i>Surrogate: n-Nonane</i>		92.2 %	61-141	09/22/25	09/24/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2539014
Chloride	ND	20.0	1	09/22/25	09/22/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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**FS17-0'**

**E509203-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Benzene	ND	0.0250	1	09/19/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/19/25	09/20/25	
Toluene	ND	0.0250	1	09/19/25	09/20/25	
o-Xylene	ND	0.0250	1	09/19/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/19/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/19/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2539001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/25	09/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/22/25	09/22/25	
<i>Surrogate: n-Nonane</i>		94.5 %	61-141	09/22/25	09/22/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2539014
Chloride	ND	20.0	1	09/22/25	09/22/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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**FS18-0'**

**E509203-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Benzene	ND	0.0250	1	09/19/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/19/25	09/20/25	
Toluene	ND	0.0250	1	09/19/25	09/20/25	
o-Xylene	ND	0.0250	1	09/19/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/19/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/19/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.8 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2539001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/25	09/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/22/25	09/22/25	
<i>Surrogate: n-Nonane</i>		100 %	61-141	09/22/25	09/22/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2539014
Chloride	ND	20.0	1	09/22/25	09/22/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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**FS19-0'**

**E509203-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Benzene	ND	0.0250	1	09/19/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/19/25	09/20/25	
Toluene	ND	0.0250	1	09/19/25	09/20/25	
o-Xylene	ND	0.0250	1	09/19/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/19/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/19/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2539001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/25	09/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/22/25	09/24/25	
<i>Surrogate: n-Nonane</i>		91.5 %	61-141	09/22/25	09/24/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2539014
Chloride	ND	20.0	1	09/22/25	09/22/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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**FS20-0'**

**E509203-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Benzene	ND	0.0250	1	09/19/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/19/25	09/20/25	
Toluene	ND	0.0250	1	09/19/25	09/20/25	
o-Xylene	ND	0.0250	1	09/19/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/19/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/19/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.0 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2539001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/25	09/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/22/25	09/22/25	
<i>Surrogate: n-Nonane</i>		100 %	61-141	09/22/25	09/22/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2539014
Chloride	ND	20.0	1	09/22/25	09/22/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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**FS21-0'**

**E509203-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Benzene	ND	0.0250	1	09/19/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/19/25	09/20/25	
Toluene	ND	0.0250	1	09/19/25	09/20/25	
o-Xylene	ND	0.0250	1	09/19/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/19/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/19/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.3 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2539001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/25	09/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/22/25	09/22/25	
<i>Surrogate: n-Nonane</i>						
		95.9 %	61-141	09/22/25	09/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2539014
Chloride	ND	20.0	1	09/22/25	09/22/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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**FS22-0'**

**E509203-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Benzene	ND	0.0250	1	09/19/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/19/25	09/20/25	
Toluene	ND	0.0250	1	09/19/25	09/20/25	
o-Xylene	ND	0.0250	1	09/19/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/19/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/19/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.3 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2539001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/25	09/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/22/25	09/23/25	
<i>Surrogate: n-Nonane</i>		96.2 %	61-141	09/22/25	09/23/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2539014
Chloride	ND	20.0	1	09/22/25	09/22/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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**FS23-0'**

**E509203-15**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Benzene	ND	0.0250	1	09/19/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/19/25	09/20/25	
Toluene	ND	0.0250	1	09/19/25	09/20/25	
o-Xylene	ND	0.0250	1	09/19/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/19/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/19/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.3 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2539001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/25	09/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/22/25	09/23/25	
<i>Surrogate: n-Nonane</i>		96.9 %	61-141	09/22/25	09/23/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2539014
Chloride	ND	20.0	1	09/22/25	09/22/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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**FS24-0'**

**E509203-16**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Benzene	ND	0.0250	1	09/19/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/19/25	09/20/25	
Toluene	ND	0.0250	1	09/19/25	09/20/25	
o-Xylene	ND	0.0250	1	09/19/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/19/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/19/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.9 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2539001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/25	09/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/22/25	09/23/25	
<i>Surrogate: n-Nonane</i>		97.2 %	61-141	09/22/25	09/23/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2539014
Chloride	ND	20.0	1	09/22/25	09/22/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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**FS25-0'**

**E509203-17**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Benzene	ND	0.0250	1	09/19/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/19/25	09/20/25	
Toluene	ND	0.0250	1	09/19/25	09/20/25	
o-Xylene	ND	0.0250	1	09/19/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/19/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/19/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2539001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/25	09/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/22/25	09/23/25	
<i>Surrogate: n-Nonane</i>		98.5 %	61-141	09/22/25	09/23/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2539014
Chloride	ND	20.0	1	09/22/25	09/23/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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**FS26-0'**

**E509203-18**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Benzene	ND	0.0250	1	09/19/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/19/25	09/20/25	
Toluene	ND	0.0250	1	09/19/25	09/20/25	
o-Xylene	ND	0.0250	1	09/19/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/19/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/19/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.6 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2539001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/25	09/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/22/25	09/23/25	
<i>Surrogate: n-Nonane</i>		97.0 %	61-141	09/22/25	09/23/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2539014
Chloride	ND	20.0	1	09/22/25	09/23/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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**FS27-0'**

**E509203-19**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Benzene	ND	0.0250	1	09/19/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/19/25	09/20/25	
Toluene	ND	0.0250	1	09/19/25	09/20/25	
o-Xylene	ND	0.0250	1	09/19/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/19/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/19/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.7 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2539001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/25	09/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/22/25	09/23/25	
<i>Surrogate: n-Nonane</i>		95.4 %	61-141	09/22/25	09/23/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2539014
Chloride	ND	20.0	1	09/22/25	09/23/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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**FS28-0'**

**E509203-20**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Benzene	ND	0.0250	1	09/19/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/19/25	09/20/25	
Toluene	ND	0.0250	1	09/19/25	09/20/25	
o-Xylene	ND	0.0250	1	09/19/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/19/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/19/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.4 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538118
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2539001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/25	09/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/22/25	09/23/25	
<i>Surrogate: n-Nonane</i>		97.3 %	61-141	09/22/25	09/23/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2539014
Chloride	ND	20.0	1	09/22/25	09/23/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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**FS29-0'**

**E509203-21**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538117
Benzene	ND	0.0250	1	09/19/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/19/25	09/20/25	
Toluene	ND	0.0250	1	09/19/25	09/20/25	
o-Xylene	ND	0.0250	1	09/19/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/19/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/19/25	09/20/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	09/19/25	09/20/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.6 %	70-130	09/19/25	09/20/25	
<i>Surrogate: Toluene-d8</i>		99.1 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538117
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/25	09/20/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	09/19/25	09/20/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.6 %	70-130	09/19/25	09/20/25	
<i>Surrogate: Toluene-d8</i>		99.1 %	70-130	09/19/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2539003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/22/25	09/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/22/25	09/22/25	
<i>Surrogate: n-Nonane</i>		93.0 %	61-141	09/22/25	09/22/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2539046
Chloride	ND	20.0	1	09/23/25	09/23/25	



### QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/25/2025 9:28:15AM
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#### Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2538117-BLK1)

Prepared: 09/19/25 Analyzed: 09/19/25

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	0.520		0.500		104		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.433		0.500		86.5		70-130		
Surrogate: Toluene-d8	0.488		0.500		97.5		70-130		

#### LCS (2538117-BS1)

Prepared: 09/19/25 Analyzed: 09/19/25

Benzene	2.24	0.0250	2.50		89.5		70-130		
Ethylbenzene	2.43	0.0250	2.50		97.3		70-130		
Toluene	2.31	0.0250	2.50		92.4		70-130		
o-Xylene	2.49	0.0250	2.50		99.5		70-130		
p,m-Xylene	5.06	0.0500	5.00		101		70-130		
Total Xylenes	7.55	0.0250	7.50		101		70-130		
Surrogate: Bromofluorobenzene	0.546		0.500		109		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.427		0.500		85.3		70-130		
Surrogate: Toluene-d8	0.497		0.500		99.3		70-130		

#### Matrix Spike (2538117-MS1)

Source: E509202-02

Prepared: 09/19/25 Analyzed: 09/20/25

Benzene	2.14	0.0250	2.50	ND	85.5		48-131		
Ethylbenzene	2.35	0.0250	2.50	ND	93.9		45-135		
Toluene	2.22	0.0250	2.50	ND	88.8		48-130		
o-Xylene	2.45	0.0250	2.50	ND	97.9		43-135		
p,m-Xylene	4.97	0.0500	5.00	ND	99.4		43-135		
Total Xylenes	7.42	0.0250	7.50	ND	98.9		43-135		
Surrogate: Bromofluorobenzene	0.547		0.500		109		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.443		0.500		88.6		70-130		
Surrogate: Toluene-d8	0.492		0.500		98.4		70-130		

#### Matrix Spike Dup (2538117-MSD1)

Source: E509202-02

Prepared: 09/19/25 Analyzed: 09/20/25

Benzene	2.27	0.0250	2.50	ND	91.0		48-131	6.24	23
Ethylbenzene	2.46	0.0250	2.50	ND	98.4		45-135	4.64	27
Toluene	2.30	0.0250	2.50	ND	92.1		48-130	3.65	24
o-Xylene	2.57	0.0250	2.50	ND	103		43-135	5.08	27
p,m-Xylene	5.26	0.0500	5.00	ND	105		43-135	5.58	27
Total Xylenes	7.83	0.0250	7.50	ND	104		43-135	5.42	27
Surrogate: Bromofluorobenzene	0.551		0.500		110		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.429		0.500		85.7		70-130		
Surrogate: Toluene-d8	0.487		0.500		97.4		70-130		



### QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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#### Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2538118-BLK1)

Prepared: 09/19/25 Analyzed: 09/20/25

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	7.94		8.00		99.3	70-130			

#### LCS (2538118-BS1)

Prepared: 09/19/25 Analyzed: 09/20/25

Benzene	4.34	0.0250	5.00		86.7	70-130			
Ethylbenzene	4.26	0.0250	5.00		85.1	70-130			
Toluene	4.31	0.0250	5.00		86.2	70-130			
o-Xylene	4.25	0.0250	5.00		84.9	70-130			
p,m-Xylene	8.66	0.0500	10.0		86.6	70-130			
Total Xylenes	12.9	0.0250	15.0		86.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.7	70-130			

#### Matrix Spike (2538118-MS1)

Source: E509203-03

Prepared: 09/19/25 Analyzed: 09/20/25

Benzene	4.63	0.0250	5.00	ND	92.6	70-130			
Ethylbenzene	4.53	0.0250	5.00	ND	90.7	70-130			
Toluene	4.60	0.0250	5.00	ND	91.9	70-130			
o-Xylene	4.58	0.0250	5.00	ND	91.6	70-130			
p,m-Xylene	9.25	0.0500	10.0	ND	92.5	70-130			
Total Xylenes	13.8	0.0250	15.0	ND	92.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.4	70-130			

#### Matrix Spike Dup (2538118-MSD1)

Source: E509203-03

Prepared: 09/19/25 Analyzed: 09/24/25

Benzene	3.81	0.0250	5.00	ND	76.2	70-130	19.4	27	
Ethylbenzene	3.99	0.0250	5.00	ND	79.8	70-130	12.8	26	
Toluene	3.96	0.0250	5.00	ND	79.3	70-130	14.8	20	
o-Xylene	4.03	0.0250	5.00	ND	80.7	70-130	12.7	25	
p,m-Xylene	8.13	0.0500	10.0	ND	81.3	70-130	12.8	23	
Total Xylenes	12.2	0.0250	15.0	ND	81.1	70-130	12.8	26	
Surrogate: 4-Bromochlorobenzene-PID	9.40		8.00		118	70-130			



### QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2538117-BLK1)

Prepared: 09/19/25 Analyzed: 09/19/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.520		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.433		0.500		86.5	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.5	70-130			

#### LCS (2538117-BS2)

Prepared: 09/19/25 Analyzed: 09/19/25

Gasoline Range Organics (C6-C10)	52.1	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.438		0.500		87.5	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.6	70-130			

#### Matrix Spike (2538117-MS2)

Source: E509202-02

Prepared: 09/19/25 Analyzed: 09/20/25

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0	ND	105	70-130			
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.425		0.500		85.0	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

#### Matrix Spike Dup (2538117-MSD2)

Source: E509202-02

Prepared: 09/19/25 Analyzed: 09/20/25

Gasoline Range Organics (C6-C10)	59.2	20.0	50.0	ND	118	70-130	11.8	20	
Surrogate: Bromofluorobenzene	0.552		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.428		0.500		85.5	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			



### QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2538118-BLK1)**

Prepared: 09/19/25 Analyzed: 09/20/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.27		8.00		103	70-130			

**LCS (2538118-BS2)**

Prepared: 09/19/25 Analyzed: 09/20/25

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0		97.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.46		8.00		106	70-130			

**Matrix Spike (2538118-MS2)**

Source: E509203-03

Prepared: 09/19/25 Analyzed: 09/20/25

Gasoline Range Organics (C6-C10)	43.7	20.0	50.0	ND	87.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.43		8.00		105	70-130			

**Matrix Spike Dup (2538118-MSD2)**

Source: E509203-03

Prepared: 09/19/25 Analyzed: 09/20/25

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0	ND	92.2	70-130	5.43	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.66		8.00		108	70-130			



### QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2539001-BLK1)**

Prepared: 09/22/25 Analyzed: 09/24/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n-Nonane</i>	45.6		50.0		91.2	61-141			

**LCS (2539001-BS1)**

Prepared: 09/22/25 Analyzed: 09/24/25

Diesel Range Organics (C10-C28)	266	25.0	250		106	66-144			
Surrogate: <i>n-Nonane</i>	47.0		50.0		94.0	61-141			

**Matrix Spike (2539001-MS1)**

Source: E509203-11

Prepared: 09/22/25 Analyzed: 09/24/25

Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	56-156			
Surrogate: <i>n-Nonane</i>	44.4		50.0		88.9	61-141			

**Matrix Spike Dup (2539001-MSD1)**

Source: E509203-11

Prepared: 09/22/25 Analyzed: 09/24/25

Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	56-156	3.87	20	
Surrogate: <i>n-Nonane</i>	46.3		50.0		92.6	61-141			



### QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2539003-BLK1)**

Prepared: 09/22/25 Analyzed: 09/22/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n-Nonane</i>	44.3		50.0		88.6	61-141			

**LCS (2539003-BS1)**

Prepared: 09/22/25 Analyzed: 09/22/25

Diesel Range Organics (C10-C28)	241	25.0	250		96.4	66-144			
Surrogate: <i>n-Nonane</i>	43.8		50.0		87.5	61-141			

**Matrix Spike (2539003-MS1)**

Source: E509202-03

Prepared: 09/22/25 Analyzed: 09/22/25

Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	56-156			
Surrogate: <i>n-Nonane</i>	44.9		50.0		89.8	61-141			

**Matrix Spike Dup (2539003-MSD1)**

Source: E509202-03

Prepared: 09/22/25 Analyzed: 09/22/25

Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	56-156	1.48	20	
Surrogate: <i>n-Nonane</i>	45.7		50.0		91.4	61-141			



### QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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#### Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2539014-BLK1)**

Prepared: 09/22/25 Analyzed: 09/22/25

Chloride ND 20.0

**LCS (2539014-BS1)**

Prepared: 09/22/25 Analyzed: 09/22/25

Chloride 253 20.0 250 101 90-110

**Matrix Spike (2539014-MS1)**

Source: E509203-03

Prepared: 09/22/25 Analyzed: 09/22/25

Chloride 254 20.0 250 ND 102 80-120

**Matrix Spike Dup (2539014-MSD1)**

Source: E509203-03

Prepared: 09/22/25 Analyzed: 09/22/25

Chloride 254 20.0 250 ND 102 80-120 0.0484 20



### QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/25/2025 9:28:15AM
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#### Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2539046-BLK1)**

Prepared: 09/23/25 Analyzed: 09/23/25

Chloride ND 20.0

**LCS (2539046-BS1)**

Prepared: 09/23/25 Analyzed: 09/23/25

Chloride 251 20.0 250 100 90-110

**Matrix Spike (2539046-MS1)**

Source: E509233-01

Prepared: 09/23/25 Analyzed: 09/23/25

Chloride 376 100 250 121 102 80-120

**Matrix Spike Dup (2539046-MSD1)**

Source: E509233-01

Prepared: 09/23/25 Analyzed: 09/23/25

Chloride 368 100 250 121 98.4 80-120 2.22 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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 09/25/25 09:28
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



<b>Client Information</b>				<b>Invoice Information</b>				<b>Lab Use Only</b>				<b>TAT</b>				<b>State</b>			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Par Three NGL Riser				Address: 3122 National Parks Hwy				E509203		23003-0002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCOQ 1005-TX	RCRA 8 Metals	BEBOC - NM	BEBOC - TX	SDWA	CWA	RCRA			
																	Compliance	Y	or	N		
																	PWSID #					
																	Sample Temp			Remarks		
1150	9/17/2025	S	1	FS09 - 0'			1														2.0	
1152	9/17/2025	S	1	FS10 - 0'			2															2.4
1154	9/17/2025	S	1	FS11 - 0'			3															3.6
1156	9/17/2025	S	1	FS12 - 0'			4															3.4
1158	9/17/2025	S	1	FS13 - 0'			5															3.4
1200	9/17/2025	S	1	FS14 - 0'			6															4.0
1202	9/17/2025	S	1	FS15 - 0'			7															3.2
1204	9/17/2025	S	1	FS16 - 0'			8															3.8
1206	9/17/2025	S	1	FS17 - 0'			9															2.8
1208	9/17/2025	S	1	FS18 - 0'			10															3.2

**Additional Instructions:** Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, ihinkle@ensolum.com, eplugge@ensolum.com

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

Sampled by: <u>Jarad McCauley</u>						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.  <b>Lab Use Only</b> Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Jarad McCauley</i>	9-18-25	700	<i>Michelle Gonzales</i>	9-18-25	0700						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Michelle Gonzales</i>	9-18-25	1500	<i>Marissa Gonzales</i>	9-18-25	1500						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Marissa Gonzales</i>	9-18-25	1905	<i>Andrew Musso</i>	9-18-25	1905						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Andrew Musso</i>	9-18-25	2400	<i>Caitlynn</i>	9-19-25	745						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						

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 14 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.

<b>Client Information</b>				<b>Invoice Information</b>				<b>Lab Use Only</b>				<b>TAT</b>				<b>State</b>			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Par Three NGL Riser				Address: 3122 National Parks Hwy				E509203		23003-0002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information					Analysis and Method										EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NH	BGDOC - TX	SDWA	CWA	RCRA		
																Compliance	Y	or	N	
																PWSID #				
																Sample Temp			Remarks	
1210	9/17/2025	S	1	FS19 - 0'		11								X					4.1	
1212	9/17/2025	S	1	FS20 - 0'		12								X					4.0	
1214	9/17/2025	S	1	FS21 - 0'		13								X					4.2	
1216	9/17/2025	S	1	FS22 - 0'		14								X					3.6	
1218	9/17/2025	S	1	FS23 - 0'		15								X					2.8	
1220	9/17/2025	S	1	FS24 - 0'		16								X					3.0	
1222	9/17/2025	S	1	FS25 - 0'		17								X					2.8	
1224	9/17/2025	S	1	FS26 - 0'		18								X					3.4	
1226	9/17/2025	S	1	FS27 - 0'		19								X					3.8	
1228	9/17/2025	S	1	FS28 - 0'		20								X					4.0	

**Additional Instructions:** Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmcauley@ensolum.com, akone@ensolum.com, lgonzalez@ensolum.com, ihinkle@ensolum.com, eplugge@ensolum.com

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

Relinquished by: (Signature) <i>JM</i> Date: 9-18-25 Time: 700						Received by: (Signature) <i>Michelle Gonzales</i> Date: 9-18-25 Time: 0700						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.
Relinquished by: (Signature) <i>Michelle Gonzales</i> Date: 9-18-25 Time: 1500						Received by: (Signature) <i>Marissa Gonzales</i> Date: 9-18-25 Time: 1500						
Relinquished by: (Signature) <i>Marissa Gonzales</i> Date: 9-18-25 Time: 1905						Received by: (Signature) <i>Andrew Musso</i> Date: 9-18-25 Time: 1905						
Relinquished by: (Signature) <i>Andrew Musso</i> Date: 9-19-25 Time: 2400						Received by: (Signature) <i>Caitlynn</i> Date: 9-19-25 Time: 745						
Relinquished by: (Signature) _____ Date: _____ Time: _____						Received by: (Signature) _____ Date: _____ Time: _____						Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N

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 14 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 Analytical Laboratory

Printed: 9/19/2025 1:36:24PM

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: Matador Resources, LLC. Date Received: 09/19/25 07:45 Work Order ID: E509203
Phone: (972) 371-5200 Date Logged In: 09/18/25 16:30 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 09/25/25 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? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

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 filtration 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

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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

Date



envirotech Inc.

Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Par Three NGL Riser

Work Order: E509226

Job Number: 23003-0002

Received: 9/22/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/26/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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.

Date Reported: 9/26/25



Ashley Giovengo  
5400 LBJ Freeway, Suite 1500  
Dallas, TX 75240

Project Name: Par Three NGL Riser  
Workorder: E509226  
Date Received: 9/22/2025 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/22/2025 6:00:00AM, under the Project Name: Par Three NGL Riser.

The analytical test results summarized in this report with the Project Name: Par Three NGL Riser 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 regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name:

Par Three NGL Riser

Project Number:

23003-0002

Project Manager:

Ashley Giovengo

**Reported:**

09/26/25 12:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS30 - 0'	E509226-01A	Soil	09/18/25	09/22/25	Glass Jar, 2 oz.
FS31 - 0'	E509226-02A	Soil	09/18/25	09/22/25	Glass Jar, 2 oz.
FS32 - 0'	E509226-03A	Soil	09/18/25	09/22/25	Glass Jar, 2 oz.
FS33 - 0'	E509226-04A	Soil	09/18/25	09/22/25	Glass Jar, 2 oz.
FS34 - 0'	E509226-05A	Soil	09/18/25	09/22/25	Glass Jar, 2 oz.
FS35 - 0'	E509226-06A	Soil	09/18/25	09/22/25	Glass Jar, 2 oz.
FS36 - 0'	E509226-07A	Soil	09/18/25	09/22/25	Glass Jar, 2 oz.
FS37 - 0'	E509226-08A	Soil	09/18/25	09/22/25	Glass Jar, 2 oz.
FS38 - 0'	E509226-09A	Soil	09/18/25	09/22/25	Glass Jar, 2 oz.
FS39 - 0'	E509226-10A	Soil	09/18/25	09/22/25	Glass Jar, 2 oz.
FS40 - 0'	E509226-11A	Soil	09/18/25	09/22/25	Glass Jar, 2 oz.
FS41 - 0'	E509226-12A	Soil	09/18/25	09/22/25	Glass Jar, 2 oz.
FS42 - 0'	E509226-13A	Soil	09/18/25	09/22/25	Glass Jar, 2 oz.
FS43 - 0'	E509226-14A	Soil	09/18/25	09/22/25	Glass Jar, 2 oz.
FS44 - 0'	E509226-15A	Soil	09/18/25	09/22/25	Glass Jar, 2 oz.
FS45 - 0'	E509226-16A	Soil	09/18/25	09/22/25	Glass Jar, 2 oz.
FS46 - 0'	E509226-17A	Soil	09/18/25	09/22/25	Glass Jar, 2 oz.
FS47 - 0'	E509226-18A	Soil	09/18/25	09/22/25	Glass Jar, 2 oz.
FS48 - 0'	E509226-19A	Soil	09/18/25	09/22/25	Glass Jar, 2 oz.
FS49 - 0'	E509226-20A	Soil	09/18/25	09/22/25	Glass Jar, 2 oz.



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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**FS30 - 0'**  
**E509226-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2539013
Benzene	ND	0.0250	1	09/22/25	09/23/25	
Ethylbenzene	ND	0.0250	1	09/22/25	09/23/25	
Toluene	ND	0.0250	1	09/22/25	09/23/25	
o-Xylene	ND	0.0250	1	09/22/25	09/23/25	
p,m-Xylene	ND	0.0500	1	09/22/25	09/23/25	
Total Xylenes	ND	0.0250	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.4 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2539013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.4 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: NV		Batch: 2539082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/25	09/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/24/25	09/24/25	
<i>Surrogate: n-Nonane</i>		95.7 %	61-141	09/24/25	09/24/25	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: TP		Batch: 2539079
Chloride	ND	20.0	1	09/23/25	09/23/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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**FS31 - 0'**

**E509226-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Benzene	ND	0.0250	1	09/22/25	09/23/25	
Ethylbenzene	ND	0.0250	1	09/22/25	09/23/25	
Toluene	ND	0.0250	1	09/22/25	09/23/25	
o-Xylene	ND	0.0250	1	09/22/25	09/23/25	
p,m-Xylene	ND	0.0500	1	09/22/25	09/23/25	
Total Xylenes	ND	0.0250	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.5 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		98.6 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.5 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		98.6 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2539082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/25	09/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/24/25	09/24/25	
<i>Surrogate: n-Nonane</i>		96.2 %	61-141	09/24/25	09/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2539079
Chloride	ND	20.0	1	09/23/25	09/23/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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**FS32 - 0'**

**E509226-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Benzene	ND	0.0250	1	09/22/25	09/23/25	
Ethylbenzene	ND	0.0250	1	09/22/25	09/23/25	
Toluene	ND	0.0250	1	09/22/25	09/23/25	
o-Xylene	ND	0.0250	1	09/22/25	09/23/25	
p,m-Xylene	ND	0.0500	1	09/22/25	09/23/25	
Total Xylenes	ND	0.0250	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.3 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		97.3 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.3 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		97.3 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2539082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/25	09/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/24/25	09/24/25	
<i>Surrogate: n-Nonane</i>		99.8 %	61-141	09/24/25	09/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2539079
Chloride	ND	20.0	1	09/23/25	09/23/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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**FS33 - 0'**  
**E509226-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Benzene	ND	0.0250	1	09/22/25	09/23/25	
Ethylbenzene	ND	0.0250	1	09/22/25	09/23/25	
Toluene	ND	0.0250	1	09/22/25	09/23/25	
o-Xylene	ND	0.0250	1	09/22/25	09/23/25	
p,m-Xylene	ND	0.0500	1	09/22/25	09/23/25	
Total Xylenes	ND	0.0250	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.0 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		98.6 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.0 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		98.6 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2539082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/25	09/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/24/25	09/24/25	
<i>Surrogate: n-Nonane</i>		93.9 %	61-141	09/24/25	09/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2539079
Chloride	ND	20.0	1	09/23/25	09/24/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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**FS34 - 0'**

**E509226-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Benzene	ND	0.0250	1	09/22/25	09/23/25	
Ethylbenzene	ND	0.0250	1	09/22/25	09/23/25	
Toluene	ND	0.0250	1	09/22/25	09/23/25	
o-Xylene	ND	0.0250	1	09/22/25	09/23/25	
p,m-Xylene	ND	0.0500	1	09/22/25	09/23/25	
Total Xylenes	ND	0.0250	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.5 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		96.9 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.5 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		96.9 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2539082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/25	09/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/24/25	09/24/25	
<i>Surrogate: n-Nonane</i>		96.5 %	61-141	09/24/25	09/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2539079
Chloride	ND	20.0	1	09/23/25	09/24/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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**FS35 - 0'**

**E509226-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Benzene	ND	0.0250	1	09/22/25	09/23/25	
Ethylbenzene	ND	0.0250	1	09/22/25	09/23/25	
Toluene	ND	0.0250	1	09/22/25	09/23/25	
o-Xylene	ND	0.0250	1	09/22/25	09/23/25	
p,m-Xylene	ND	0.0500	1	09/22/25	09/23/25	
Total Xylenes	ND	0.0250	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.0 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		98.0 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.0 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		98.0 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2539082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/25	09/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/24/25	09/24/25	
<i>Surrogate: n-Nonane</i>		95.7 %	61-141	09/24/25	09/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2539079
Chloride	ND	20.0	1	09/23/25	09/23/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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**FS36 - 0'**  
**E509226-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Benzene	ND	0.0250	1	09/22/25	09/23/25	
Ethylbenzene	ND	0.0250	1	09/22/25	09/23/25	
Toluene	ND	0.0250	1	09/22/25	09/23/25	
o-Xylene	ND	0.0250	1	09/22/25	09/23/25	
p,m-Xylene	ND	0.0500	1	09/22/25	09/23/25	
Total Xylenes	ND	0.0250	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.8 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		97.9 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.8 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		97.9 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2539082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/25	09/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/24/25	09/24/25	
<i>Surrogate: n-Nonane</i>		94.9 %	61-141	09/24/25	09/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2539079
Chloride	ND	20.0	1	09/23/25	09/24/25	

### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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**FS37 - 0'**  
**E509226-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Benzene	ND	0.0250	1	09/22/25	09/23/25	
Ethylbenzene	ND	0.0250	1	09/22/25	09/23/25	
Toluene	ND	0.0250	1	09/22/25	09/23/25	
o-Xylene	ND	0.0250	1	09/22/25	09/23/25	
p,m-Xylene	ND	0.0500	1	09/22/25	09/23/25	
Total Xylenes	ND	0.0250	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.4 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		98.7 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.4 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		98.7 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2539082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/25	09/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/24/25	09/24/25	
<i>Surrogate: n-Nonane</i>		95.7 %	61-141	09/24/25	09/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2539079
Chloride	ND	20.0	1	09/23/25	09/24/25	

### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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**FS38 - 0'**  
**E509226-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Benzene	ND	0.0250	1	09/22/25	09/23/25	
Ethylbenzene	ND	0.0250	1	09/22/25	09/23/25	
Toluene	ND	0.0250	1	09/22/25	09/23/25	
o-Xylene	ND	0.0250	1	09/22/25	09/23/25	
p,m-Xylene	ND	0.0500	1	09/22/25	09/23/25	
Total Xylenes	ND	0.0250	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		109 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.2 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		98.4 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		109 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.2 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		98.4 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2539082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/25	09/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/24/25	09/25/25	
<i>Surrogate: n-Nonane</i>		94.1 %	61-141	09/24/25	09/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2539079
Chloride	ND	20.0	1	09/23/25	09/24/25	

### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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**FS39 - 0'**  
**E509226-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Benzene	ND	0.0250	1	09/22/25	09/23/25	
Ethylbenzene	ND	0.0250	1	09/22/25	09/23/25	
Toluene	ND	0.0250	1	09/22/25	09/23/25	
o-Xylene	ND	0.0250	1	09/22/25	09/23/25	
p,m-Xylene	ND	0.0500	1	09/22/25	09/23/25	
Total Xylenes	ND	0.0250	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.3 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		98.6 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.3 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		98.6 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2539082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/25	09/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/24/25	09/25/25	
<i>Surrogate: n-Nonane</i>		95.6 %	61-141	09/24/25	09/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2539079
Chloride	ND	20.0	1	09/23/25	09/24/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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**FS40 - 0'**  
**E509226-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Benzene	ND	0.0250	1	09/22/25	09/23/25	
Ethylbenzene	ND	0.0250	1	09/22/25	09/23/25	
Toluene	ND	0.0250	1	09/22/25	09/23/25	
o-Xylene	ND	0.0250	1	09/22/25	09/23/25	
p,m-Xylene	ND	0.0500	1	09/22/25	09/23/25	
Total Xylenes	ND	0.0250	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.6 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		97.4 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.6 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		97.4 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2539082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/25	09/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/24/25	09/25/25	
<i>Surrogate: n-Nonane</i>		100 %	61-141	09/24/25	09/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2539079
Chloride	ND	20.0	1	09/23/25	09/24/25	

### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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**FS41 - 0'**  
**E509226-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Benzene	ND	0.0250	1	09/22/25	09/23/25	
Ethylbenzene	ND	0.0250	1	09/22/25	09/23/25	
Toluene	ND	0.0250	1	09/22/25	09/23/25	
o-Xylene	ND	0.0250	1	09/22/25	09/23/25	
p,m-Xylene	ND	0.0500	1	09/22/25	09/23/25	
Total Xylenes	ND	0.0250	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.7 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		98.0 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.7 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		98.0 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2539082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/25	09/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/24/25	09/25/25	
<i>Surrogate: n-Nonane</i>		96.0 %	61-141	09/24/25	09/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2539079
Chloride	ND	20.0	1	09/23/25	09/24/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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**FS42 - 0'**

**E509226-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Benzene	ND	0.0250	1	09/22/25	09/23/25	
Ethylbenzene	ND	0.0250	1	09/22/25	09/23/25	
Toluene	ND	0.0250	1	09/22/25	09/23/25	
o-Xylene	ND	0.0250	1	09/22/25	09/23/25	
p,m-Xylene	ND	0.0500	1	09/22/25	09/23/25	
Total Xylenes	ND	0.0250	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		83.4 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		96.9 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		83.4 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		96.9 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2539082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/25	09/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/24/25	09/25/25	
<i>Surrogate: n-Nonane</i>		93.6 %	61-141	09/24/25	09/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2539079
Chloride	ND	20.0	1	09/23/25	09/24/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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**FS43 - 0'**

**E509226-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Benzene	ND	0.0250	1	09/22/25	09/23/25	
Ethylbenzene	ND	0.0250	1	09/22/25	09/23/25	
Toluene	ND	0.0250	1	09/22/25	09/23/25	
o-Xylene	ND	0.0250	1	09/22/25	09/23/25	
p,m-Xylene	ND	0.0500	1	09/22/25	09/23/25	
Total Xylenes	ND	0.0250	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.6 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		95.7 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.6 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		95.7 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2539082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/25	09/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/24/25	09/25/25	
<i>Surrogate: n-Nonane</i>		96.7 %	61-141	09/24/25	09/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2539079
Chloride	ND	20.0	1	09/23/25	09/24/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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**FS44 - 0'**

**E509226-15**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Benzene	ND	0.0250	1	09/22/25	09/23/25	
Ethylbenzene	ND	0.0250	1	09/22/25	09/23/25	
Toluene	ND	0.0250	1	09/22/25	09/23/25	
o-Xylene	ND	0.0250	1	09/22/25	09/23/25	
p,m-Xylene	ND	0.0500	1	09/22/25	09/23/25	
Total Xylenes	ND	0.0250	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		86.8 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		97.5 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		86.8 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		97.5 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2539082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/25	09/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/24/25	09/25/25	
<i>Surrogate: n-Nonane</i>		97.5 %	61-141	09/24/25	09/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2539079
Chloride	ND	20.0	1	09/23/25	09/24/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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**FS45 - 0'**

**E509226-16**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Benzene	ND	0.0250	1	09/22/25	09/23/25	
Ethylbenzene	ND	0.0250	1	09/22/25	09/23/25	
Toluene	ND	0.0250	1	09/22/25	09/23/25	
o-Xylene	ND	0.0250	1	09/22/25	09/23/25	
p,m-Xylene	ND	0.0500	1	09/22/25	09/23/25	
Total Xylenes	ND	0.0250	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.0 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		97.2 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.0 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		97.2 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2539082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/25	09/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/24/25	09/25/25	
<i>Surrogate: n-Nonane</i>		98.9 %	61-141	09/24/25	09/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2539079
Chloride	ND	20.0	1	09/23/25	09/24/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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**FS46 - 0'**  
**E509226-17**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Benzene	ND	0.0250	1	09/22/25	09/23/25	
Ethylbenzene	ND	0.0250	1	09/22/25	09/23/25	
Toluene	ND	0.0250	1	09/22/25	09/23/25	
o-Xylene	ND	0.0250	1	09/22/25	09/23/25	
p,m-Xylene	ND	0.0500	1	09/22/25	09/23/25	
Total Xylenes	ND	0.0250	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		85.0 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		96.2 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/25	09/23/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	09/22/25	09/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		85.0 %	70-130	09/22/25	09/23/25	
<i>Surrogate: Toluene-d8</i>		96.2 %	70-130	09/22/25	09/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2539082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/25	09/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/24/25	09/25/25	
<i>Surrogate: n-Nonane</i>		97.4 %	61-141	09/24/25	09/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2539079
Chloride	ND	20.0	1	09/23/25	09/24/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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**FS47 - 0'**

**E509226-18**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Benzene	ND	0.0250	1	09/22/25	09/24/25	
Ethylbenzene	ND	0.0250	1	09/22/25	09/24/25	
Toluene	ND	0.0250	1	09/22/25	09/24/25	
o-Xylene	ND	0.0250	1	09/22/25	09/24/25	
p,m-Xylene	ND	0.0500	1	09/22/25	09/24/25	
Total Xylenes	ND	0.0250	1	09/22/25	09/24/25	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	09/22/25	09/24/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.9 %	70-130	09/22/25	09/24/25	
<i>Surrogate: Toluene-d8</i>		97.3 %	70-130	09/22/25	09/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/25	09/24/25	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	09/22/25	09/24/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.9 %	70-130	09/22/25	09/24/25	
<i>Surrogate: Toluene-d8</i>		97.3 %	70-130	09/22/25	09/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2539082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/25	09/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/24/25	09/25/25	
<i>Surrogate: n-Nonane</i>		98.0 %	61-141	09/24/25	09/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2539079
Chloride	ND	20.0	1	09/23/25	09/24/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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**FS48 - 0'**  
**E509226-19**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Benzene	ND	0.0250	1	09/22/25	09/24/25	
Ethylbenzene	ND	0.0250	1	09/22/25	09/24/25	
Toluene	ND	0.0250	1	09/22/25	09/24/25	
o-Xylene	ND	0.0250	1	09/22/25	09/24/25	
p,m-Xylene	ND	0.0500	1	09/22/25	09/24/25	
Total Xylenes	ND	0.0250	1	09/22/25	09/24/25	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	09/22/25	09/24/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		86.4 %	70-130	09/22/25	09/24/25	
<i>Surrogate: Toluene-d8</i>		97.5 %	70-130	09/22/25	09/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/25	09/24/25	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	09/22/25	09/24/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		86.4 %	70-130	09/22/25	09/24/25	
<i>Surrogate: Toluene-d8</i>		97.5 %	70-130	09/22/25	09/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2539082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/25	09/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/24/25	09/25/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	09/24/25	09/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2539079
Chloride	ND	20.0	1	09/23/25	09/24/25	



### Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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**FS49 - 0'**  
**E509226-20**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Benzene	ND	0.0250	1	09/22/25	09/24/25	
Ethylbenzene	ND	0.0250	1	09/22/25	09/24/25	
Toluene	ND	0.0250	1	09/22/25	09/24/25	
o-Xylene	ND	0.0250	1	09/22/25	09/24/25	
p,m-Xylene	ND	0.0500	1	09/22/25	09/24/25	
Total Xylenes	ND	0.0250	1	09/22/25	09/24/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	09/22/25	09/24/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.8 %	70-130	09/22/25	09/24/25	
<i>Surrogate: Toluene-d8</i>		96.4 %	70-130	09/22/25	09/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2539013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/25	09/24/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	09/22/25	09/24/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.8 %	70-130	09/22/25	09/24/25	
<i>Surrogate: Toluene-d8</i>		96.4 %	70-130	09/22/25	09/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2539082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/25	09/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/24/25	09/25/25	
<i>Surrogate: n-Nonane</i>		95.2 %	61-141	09/24/25	09/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2539079
Chloride	ND	20.0	1	09/23/25	09/24/25	

### QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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#### Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2539013-BLK1)

Prepared: 09/22/25 Analyzed: 09/23/25

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	0.531		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.415		0.500		83.0	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.3	70-130			

#### LCS (2539013-BS1)

Prepared: 09/22/25 Analyzed: 09/23/25

Benzene	2.33	0.0250	2.50		93.0	70-130			
Ethylbenzene	2.51	0.0250	2.50		100	70-130			
Toluene	2.38	0.0250	2.50		95.1	70-130			
o-Xylene	2.53	0.0250	2.50		101	70-130			
p,m-Xylene	5.25	0.0500	5.00		105	70-130			
Total Xylenes	7.79	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.448		0.500		89.6	70-130			
Surrogate: Toluene-d8	0.490		0.500		98.0	70-130			

#### Matrix Spike (2539013-MS1)

Source: E509226-03

Prepared: 09/22/25 Analyzed: 09/23/25

Benzene	2.44	0.0250	2.50	ND	97.4	48-131			
Ethylbenzene	2.66	0.0250	2.50	ND	106	45-135			
Toluene	2.52	0.0250	2.50	ND	101	48-130			
o-Xylene	2.64	0.0250	2.50	ND	106	43-135			
p,m-Xylene	5.46	0.0500	5.00	ND	109	43-135			
Total Xylenes	8.10	0.0250	7.50	ND	108	43-135			
Surrogate: Bromofluorobenzene	0.539		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.443		0.500		88.5	70-130			
Surrogate: Toluene-d8	0.486		0.500		97.1	70-130			

#### Matrix Spike Dup (2539013-MSD1)

Source: E509226-03

Prepared: 09/22/25 Analyzed: 09/23/25

Benzene	2.48	0.0250	2.50	ND	99.3	48-131	1.89	23	
Ethylbenzene	2.69	0.0250	2.50	ND	108	45-135	1.33	27	
Toluene	2.56	0.0250	2.50	ND	102	48-130	1.32	24	
o-Xylene	2.75	0.0250	2.50	ND	110	43-135	4.21	27	
p,m-Xylene	5.62	0.0500	5.00	ND	112	43-135	2.92	27	
Total Xylenes	8.37	0.0250	7.50	ND	112	43-135	3.35	27	
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.439		0.500		87.8	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130			



### QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2539013-BLK1)**

Prepared: 09/22/25 Analyzed: 09/23/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.531		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.415		0.500		83.0	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.3	70-130			

**LCS (2539013-BS2)**

Prepared: 09/22/25 Analyzed: 09/23/25

Gasoline Range Organics (C6-C10)	63.9	20.0	50.0		128	70-130			
Surrogate: Bromofluorobenzene	0.566		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.436		0.500		87.1	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

**Matrix Spike (2539013-MS2)**

Source: E509226-03

Prepared: 09/22/25 Analyzed: 09/23/25

Gasoline Range Organics (C6-C10)	62.1	20.0	50.0	ND	124	70-130			
Surrogate: Bromofluorobenzene	0.554		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.437		0.500		87.4	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			

**Matrix Spike Dup (2539013-MSD2)**

Source: E509226-03

Prepared: 09/22/25 Analyzed: 09/23/25

Gasoline Range Organics (C6-C10)	54.7	20.0	50.0	ND	109	70-130	12.7	20	
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.431		0.500		86.1	70-130			
Surrogate: Toluene-d8	0.500		0.500		100	70-130			



### QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2539082-BLK1)**

Prepared: 09/24/25 Analyzed: 09/24/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	47.5		50.0		95.1	61-141			

**LCS (2539082-BS1)**

Prepared: 09/24/25 Analyzed: 09/24/25

Diesel Range Organics (C10-C28)	263	25.0	250		105	66-144			
Surrogate: <i>n</i> -Nonane	48.6		50.0		97.2	61-141			

**Matrix Spike (2539082-MS1)**

Source: E509226-12

Prepared: 09/24/25 Analyzed: 09/24/25

Diesel Range Organics (C10-C28)	264	25.0	250	ND	105	56-156			
Surrogate: <i>n</i> -Nonane	47.7		50.0		95.3	61-141			

**Matrix Spike Dup (2539082-MSD1)**

Source: E509226-12

Prepared: 09/24/25 Analyzed: 09/24/25

Diesel Range Organics (C10-C28)	271	25.0	250	ND	109	56-156	2.86	20	
Surrogate: <i>n</i> -Nonane	48.9		50.0		97.7	61-141			



### QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 9/26/2025 12:16:12PM
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#### Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

**Blank (2539079-BLK1)**

Prepared: 09/23/25 Analyzed: 09/23/25

Chloride ND 20.0

**LCS (2539079-BS1)**

Prepared: 09/23/25 Analyzed: 09/23/25

Chloride 251 20.0 250 100 90-110

**Matrix Spike (2539079-MS1)**

Source: E509226-06

Prepared: 09/23/25 Analyzed: 09/23/25

Chloride 254 20.0 250 ND 102 80-120

**Matrix Spike Dup (2539079-MSD1)**

Source: E509226-06

Prepared: 09/23/25 Analyzed: 09/23/25

Chloride 255 20.0 250 ND 102 80-120 0.296 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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Par Three NGL Riser Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 09/26/25 12:16
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



23003-0002

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Par Three NGL Riser				Address: 3122 National Parks Hwy				E 509226		<del>23003-0002</del>					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220				NS 9-22-25								EPA Program			
Address: 3122 National Parks Hwy				Phone: 575-988-0055				Analysis and Method								SDWA CWA RCRA			
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com				DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Chloride 300.0 TEQ 1005 - TX RCRA 8 Metals BGDQC - NM BGDQC - TX								Compliance Y or N			
Phone: 575-988-0055				Miscellaneous:												PWSID #			
Email: agiovengo@ensolum.com								Sample Temp				Remarks							
Sample Information																			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	FIELD	FILTER	Lab Number												
1150	9/18/2025	S	1	FS30 - 0'			1									X			3.3
1152	9/18/2025	S	1	FS31 - 0'			2									X			3.5
1154	9/18/2025	S	1	FS32 - 0'			3									X			3.1
1156	9/18/2025	S	1	FS33 - 0'			4									X			3.9
1158	9/18/2025	S	1	FS34 - 0'			5									X			4.3
1200	9/18/2025	S	1	FS35 - 0'			6									X			4.2
1202	9/18/2025	S	1	FS36 - 0'			7									X			4.3
1204	9/18/2025	S	1	FS37 - 0'			8									X			4.5
1206	9/18/2025	S	1	FS38 - 0'			9									X			3.9
1208	9/18/2025	S	1	FS39 - 0'			10									X			4.1
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jimccauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Jarad McCauley																			
Relinquished by: (Signature) <i>JM</i>				Date	9-19-25	Time	1430	Received by: (Signature) <i>Michelle Gonzales</i>				Date	9-19-25	Time	1430	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N			
Relinquished by: (Signature) <i>Michelle Gonzales</i>				Date	9-19-25	Time	1500	Received by: (Signature) <i>Marissa Gonzales</i>				Date	9-19-25	Time	1500				
Relinquished by: (Signature) <i>Marissa Gonzales</i>				Date	9-19-25	Time	1900	Received by: (Signature) <i>Andrew Musso</i>				Date	9-19-25	Time	1900				
Relinquished by: (Signature) <i>Andrew Musso</i>				Date	9-19-25	Time	2345	Received by: (Signature) <i>Noe Soto</i>				Date	9-22-25	Time	0600				
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time					
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 14 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.																			

Released to Imaging: 2/9/2026 11:40:43 AM

Received by OCD: 11/25/2025 12:00:15 AM

Page 138 of 342



Envirotech Analytical Laboratory

Printed: 9/22/2025 11:46:25AM

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: Matador Resources, LLC. Date Received: 09/22/25 06:00 Work Order ID: E509226
Phone: (972) 371-5200 Date Logged In: 09/19/25 16:39 Logged In By: Noe Soto
Email: agiovengo@ensolum.com Due Date: 09/26/25 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? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

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 filtration 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

Empty box for client instruction.

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

Date



envirotech Inc.



## APPENDIX D

### NMOCD Correspondence

---

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

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

QUESTIONS

Action 96899

**QUESTIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 96899
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

<b>Location of Release Source</b>	
<i>Please answer all of the questions in this group.</i>	
Site Name	Par Three NGL Riser 20220402-2300-water
Date Release Discovered	04/02/2022
Surface Owner	Private

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

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Flow Line - Production   Produced Water   Released: 511 BBL   Recovered: 220 BBL   Lost: 291 BBL ]
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	The extent of the release was mapped on 04/06/2022 and the volume of the release was determined to be greater than 25 bbls and intercepted a watercourse (dry drainage); at which time NMOCD was notified.

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**Santa Fe, NM 87505**

**QUESTIONS (continued)**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 96899
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by 19.15.29.7(A) NMAC	<b>Yes, major release.</b>
Reasons why this would be considered a submission for a notification of a major release	<ul style="list-style-type: none"> <li>• Unauthorized release of a volume, excluding gases, of 25 barrels or more</li> <li>• This release reached or has a reasonable probability of reaching a watercourse</li> </ul>
If YES, was immediate notice given to the OCD, by whom	Andrew Parker (Ameredev)
If YES, was immediate notice given to the OCD, to whom	OCD.Enviro@state.nm.us; Bratcher, Mike, EMNRD mike
If YES, was immediate notice given to the OCD, when	04/06/2022
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	Extent mapped on 04/06/2022. Email notification.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

**Initial Response**

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

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

*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 prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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**Santa Fe, NM 87505**

ACKNOWLEDGMENTS

Action 96899

**ACKNOWLEDGMENTS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 96899
	Action Type: [NOTIFY] Notification Of Release (NOR)

**ACKNOWLEDGMENTS**

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

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**Santa Fe, NM 87505**

CONDITIONS  
 Action 96899

**CONDITIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 96899
	Action Type: [NOTIFY] Notification Of Release (NOR)

**CONDITIONS**

Created By	Condition	Condition Date
aparker1969	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	4/8/2022

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**Santa Fe, NM 87505**

QUESTIONS

Action 96899

**QUESTIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 96899
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

<b>Location of Release Source</b>	
<i>Please answer all of the questions in this group.</i>	
Site Name	Par Three NGL Riser 20220402-2300-water
Date Release Discovered	04/02/2022
Surface Owner	Private

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

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Flow Line - Production   Produced Water   Released: 511 BBL   Recovered: 220 BBL   Lost: 291 BBL ]
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	The extent of the release was mapped on 04/06/2022 and the volume of the release was determined to be greater than 25 bbls and intercepted a watercourse (dry drainage); at which time NMOCD was notified.

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QUESTIONS, Page 2

Action 96899

**QUESTIONS (continued)**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 96899
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by 19.15.29.7(A) NMAC	<b>Yes, major release.</b>
Reasons why this would be considered a submission for a notification of a major release	<ul style="list-style-type: none"> <li>• Unauthorized release of a volume, excluding gases, of 25 barrels or more</li> <li>• This release reached or has a reasonable probability of reaching a watercourse</li> </ul>
If YES, was immediate notice given to the OCD, by whom	Andrew Parker (Ameredev)
If YES, was immediate notice given to the OCD, to whom	OCD.Enviro@state.nm.us; Bratcher, Mike, EMNRD mike
If YES, was immediate notice given to the OCD, when	04/06/2022
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	Extent mapped on 04/06/2022. Email notification.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

**Initial Response**

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

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

*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 prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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

ACKNOWLEDGMENTS

Action 96899

**ACKNOWLEDGMENTS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 96899
	Action Type: [NOTIFY] Notification Of Release (NOR)

**ACKNOWLEDGMENTS**

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

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

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

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

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

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

CONDITIONS  
 Action 96899

**CONDITIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 96899
	Action Type: [NOTIFY] Notification Of Release (NOR)

**CONDITIONS**

Created By	Condition	Condition Date
aparker1969	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	4/8/2022

Spill Dimensions to Volume of Release			
<b>Input</b>	<b>volume of affected soil</b>	<b>[feet^3]</b>	46728.52
<b>Input</b>	Porosity: typically is .35 to .40 for most soils	[ - ]	0.35
<b>Input</b>	Proportion of porosity filled with release fluid [0,1]	[ - ]	0.10
<b>Output</b>			
<b>Output</b>	volume of fluid	[feet^3]	<b>1635.5</b>
		[gal]	<b>12234.4</b>
		Barrels	291.3

From GIS

Sq. Ft 28493

Depth (ft) 1.64

Cu. Ft 46728.52

Incident ID	nAPP2209827356
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? <b><u>Plates 2a &amp; 2b</u></b>	___>100___ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? <b><u>Plate 4</u></b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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)? <b><u>Plate 4</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? <b><u>Plate 5</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <b><u>Plate 3</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? <b><u>Plate 4</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? <b><u>Plate 3</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland? <b><u>Plate 6</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine? <b><u>Plate 7</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology? <b><u>Plate 8</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain? <b><u>Plate 9</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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 1/2-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

Page 4

Incident ID	nAPP2209827356
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: Andrew Parker

Title: Env. Scientist

Signature: 

Date: August 24, 2022

email: aparker@ameredev.com

Telephone: 970-570-9535

**OCD Only**

Received by: Jocelyn Harimon

Date: 08/24/2022

Incident ID	nAPP2209827356
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)

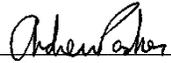
**Deferral Requests Only:** Each of the following items must be confirmed as part of any request for deferral of remediation.

- 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: Andrew Parker

Title: Env. Scientist

Signature: 

Date: August 24, 2022

email: aparker@ameredev.com

Telephone: 970-570-9535

**OCD Only**

Received by: Jocelyn Harimon Date: 08/24/2022

- Approved       Approved with Attached Conditions of Approval       Denied       Deferral Approved

Signature: 

Date: 08/31/2022



Ameredev II, LLC

2901 Via Fortuna Suite 600 • Austin, Texas 78746 • Phone (737) 300-4700

August 24, 2022

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

RE: Characterization and Remediation Workplan (Revised)  
Incident ID: nAPP2209827356  
Par Three NGL Riser  
AEP #: 20220402-2300-water

NMOCD:

Ameredev Operating respectfully submits this revised characterization report and remediation workplan for incident number nAPP2209827356.

NMOCD denied submitted remediation plan on July 12, 2022. Communications included in Appendix A.

**“Remediation Plan Denied. Delineation data and laboratory data missing from plan (19.15.29.12.C.(1) NMAC. Cannot approve variance for a reduction in number of confirmation soil samples without delineation data.”**

This report presents requested delineation data and revised remediation plan.

Incident ID: nAPP2209827356

Par Three NGL Riser

AEP #: 20220402-2300-water



Figure 1: Photo of release area viewing west from the source point. Date/Time: 2022-04-06 15:39:27 GPS: 32.1689672 N, 103.3119658 W.

The release occurred on April 2, 2022 from the failure of a treated produced water polypipe flowline. The calculated volume of released produced water was 291 barrels (=511 bbls released – 220 bbls recovered).

The release was within a pipeline right-of-way (ROW) for oil and gas operations and occurred on Fee surface. The coordinates of the release point are 32.1688783, -103.3119048 (Lat, Long; NAD83). The release did not impact surface or groundwater. The release point was within a pipeline trench under construction as shown in Figure 1.

## Characterization

The following sections address items as described in 19.15.29.11.A, paragraphs 1- 4. Please refer to the C-141 characterization checklist for additional setback criteria and verification (Plates 2-9).

### 1.1. Site Map

Horizontal extent of the release was determined by visual observations. The release extent mapping utilized GPS technology with sub-meter accuracy.

Plate 1 shows the release extent relative to the source pipeline and soil sample locations for horizontal and vertical delineation. The source of the release is located at 32.1688783, -103.3119048 (Lat, Long; NAD83). The release extent covered an area of approximately 28,493 sq. ft.

### 1.2. Depth to Ground Water

The two nearest water wells relative to the release extent are mapped on Plate 2a:

1. CP-00180 located 0.57-miles southeast measured from the southernmost release extent. Data from the New Mexico Office of the State Engineer (OSE) is limited. The Declaration of Water Right indicates the well was first used for beneficial use in 1960.

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Depth of the well is noted as 605-feet. No depth-to-water exists for this well. The Declaration of Water Right is presented in Appendix B.

2. USGS-15093 located 0.35-miles southeast measured from the southernmost release extent. The USGS last gauged this well on 03/07/1996 with a depth-to-water measurement of 296.67 ft. Attribute data in the USGS database noted depth of the well at 605-feet.

Review of aerial photos and conversations with the Fee Surface ranch manager indicated that these two wells are the same. Water well USGS-15093 is the correct location. We are working with the surface owner to gain access to this well to obtain a current depth-to-water measurement.

Plate 2b shows a depth-to-water isocontour map reproduced from OFR-95<sup>1</sup>. Depth-to-water at the release location is interpolated at 295-feet below ground surface, which is consistent with the reported depth-to-water for well USGS-15093.

To determine depth-to-water within ½-mile of the release extent, Ameredev Operating is scheduled to begin a depth-to-water borehole program mid-September 2022.

The depth-to-water program:

- Boreholes will be located throughout Ameredev Operating leases in New Mexico.
- Located within ½-mile of identified areas, and
- Drilled to a depth of approximately 105-feet below ground surface, left open for 72-hours, then gauged for the presence of groundwater within the upper 100-feet of ground surface.

However, the release occurred within 300-ft of a significant water course. Per 19.15.29.12.C.(4), the release shall be remediated as if it occurred less than 50 feet to ground water as defined in Table I of 19.15.29.12 NMAC.

### **1.3. Wellhead Protection Area**

Plate 3 shows that the release extent is:

- Not within incorporated municipal boundaries or within a defined municipal fresh water well field.
- Not within ½-mile private and domestic water sources (wells and springs). Water well USGS-15093 is for livestock use only.
- Not 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
- Not within 1000 feet of any other fresh water well or spring.

### **1.4. Distance to Nearest Significant Water Course**

Plate 4 shows that the release extent is:

---

<sup>1</sup> Open File Report – 95 (OFR-95). June 1978. Collection of Hydrologic Data Eastside Roswell Range EIS Area New Mexico. Geohydrology Associates, Inc. for the Bureau of Land Management.

08/24/2022

Incident ID: nAPP2209827356

Par Three NGL Riser

AEP #: 20220402-2300-water

- Within ½ mile of any significant water course.
- Within 300 feet of a continuously flowing watercourse or any other significant watercourse. The significant watercourse is mapped as intermittent and transects the southern release extent.
- Not within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

### **1.5. Soil/Waste Characteristics**

The release occurred in an area where depth to water is greater than 100 ft below ground surface (bgs) and on an active ROW used for oil and gas operations.

The USDA Natural Resources Conservation Service (NRCS) soil survey describes the upper 5-feet of lithology as

- A - 0 to 1 foot: loamy fine sand
- Bw - 1 to 1.4 feet: loamy sand
- Bkkm – 1.4 to 3.25 feet: cemented material

The lithology as described by the NRCS is consistent with trenching operations during pipeline installation within the release extent. The “cemented material” as described by NRCS was observed as caliche during hand auger sampling.

Comprehensive sampling to determine horizontal and vertical delineation occurred between August 12 – 16, 2022; with grab samples obtained from hand auger. Plate 1 shows location of delineation samples. Sample IDs correlate with the base grid IDs shown on Plates 10a – 10d. Table A shows the Summary of Analytical. Sample results exhibiting chloride concentrations above Closure Criteria (600 mg/kg) are highlighted orange. Certificates of Analysis are in Appendix C.

08/24/2022

Released to Imaging: 2/9/2026 11:40:43 AM



Incident ID: nAPP2209827356

Par Three NGL Riser

AEP #: 20220402-2300-water

## 2. Remediation & Restoration Workplan

A significant water course mapped as an intermittent stream (Figure 2) crosses the southern half of the release extent.

Per 19.15.29.12.C(4)(a)(i) NMAC, remediation is required to meet Closure Criteria listed in Table 1 of 19.15.29 NMAC as if groundwater is  $\leq 50$ -feet below ground surface. Closure Criteria is defined as:

- Chloride < 600 mg/kg
- TPH (GRO + DRO + MRO) < 100 mg/kg
- TPH (GRO + DRO) < 100 mg/kg
- BTEX < 50 mg/kg
- Benzene < 10 mg/kg

Ameredev proposes to excavate within the release extent until the walls and bases meet the above closure criteria. If confirmation sample concentrations exceed the above closure criteria below 4-feet, Ameredev may

- Continue to remediate the impacted soil to meet closure criteria, or
- Ask NMOCD for a liner variance.

During excavation activities, the walls and bases will be field screened for electrical conductivity (EC). Excavation will continue until EC < 0.20 mS/cm. Figure 2 shows the correlation between EC and Chloride. An EC value < 0.20 mS/cm correlates with a chloride concentration < 600 ppm.



**Figure 2: Release extent viewing northwest located southeast from grid G-14.**

**Date/Time: 2022-04-06 15:18:35 GPS: 32.1655258, -103.3114136**

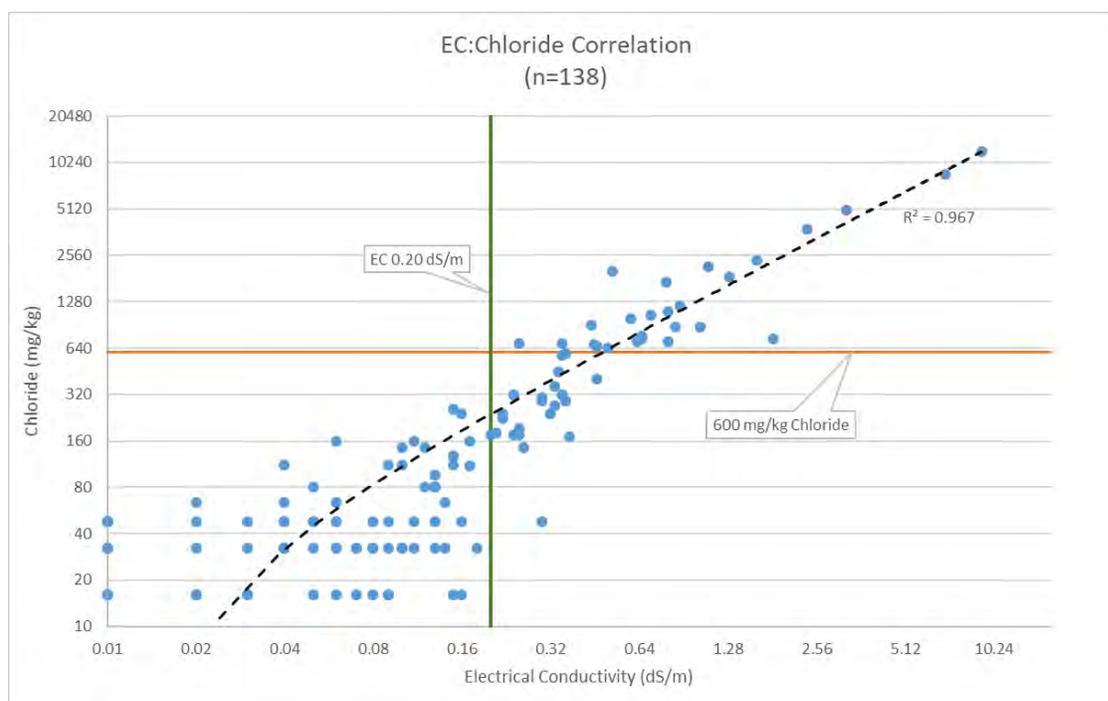
08/24/2022

Released to Imaging: 2/9/2026 11:40:43 AM

Incident ID: nAPP2209827356

Par Three NGL Riser

AEP #: 20220402-2300-water



**Figure 3: EC vs Chloride. Soil samples with an EC < 0.2 mS/cm (dS/m) are likely to exhibit chloride concentrations below 600 mg/kg.**

Furthermore, Ameredev respectfully asks NMOCD for variance approval of a confirmation wall and base sampling grid not to exceed 500 sq. ft. The total release extent is 28,493 sq. ft. The requested variance will provide equal protection of fresh water, public health, and the environment according to the “10% Condition”<sup>2</sup> that states sample sizes should be no more than 10% of the population (excavation extent area) as long as it does not exceed 1,000<sup>3</sup>. Applying the 10% Condition, a sample grid of 2,849.3 sq. ft. does not meet the 1,000 limitation (Table B). Therefore, the proposed 500 sq. ft. sample grid provides better representation of the population than the 1,000 limitation.

The proposed sample grid has a:

- Minimum of 226 sq. ft.,
- Maximum of 500 sq. ft.,
- Mean (average) of 475 sq. ft., and
- Median (middle) of 499 sq. ft.

Therefore, the proposed sampling grid statistically provides equal significance of laboratory results as a 200 sq. ft. sampling grid for the constituents listed in Table 1 of 19.15.29 NMAC.

<sup>2</sup> <https://web.ma.utexas.edu/users/mks/M358KInstr/TenPctCond.pdf>

<sup>3</sup> <https://tools4dev.org/resources/how-to-choose-a-sample-size/>

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Par Three NGL Riser

AEP #: 20220402-2300-water

Population (sq ft area)	Sample Size (grid sq. ft.)	No. of Sample Grids	% of Population (sq. ft. area)	Meets 10% Condition
28,493	200	142	0.7%	Yes
28,493	400	71	1.4%	Yes
28,493	500	57	1.8%	Yes
28,493	1000	28	3.5%	Maximum
28,493	2000	14	7.0%	No
28,493	2849	10	10.0%	No
28,493	3000	9	10.5%	No

**Table B: Square footage limits according to the “10%” Rule.**

A soil grab sample will be collected from each grid centroid base and along excavation walls for laboratory analysis of chloride, TPH, Benzene, and BTEX. Confirmation sample locations will be adjusted as needed to maintain an area not to exceed 500 sq. ft.

- Plate 10a through 10d shows the proposed confirmation sample grid layout – divided into quarter sections.
- Plate 11a through 11d shows the proposed confirmation sample locations.
- Table C shows
  - the coordinates of the delineation samples collected to date as shown on Plate 1, and
  - the proposed confirmation sample points.

An estimated 3,166 cu. yds. of material will be excavated and hauled off-site to an approved disposal facility.

Remediation will begin within 60-days of remediation plan approval. A closure report will be submitted to NMOCD within 45-days of laboratory results and reclamation completion. The surface will be remediated, restored, and reclaimed per 19.15.29.13.A-D NMAC.

Sincerely,  
Ameredev II, LLC



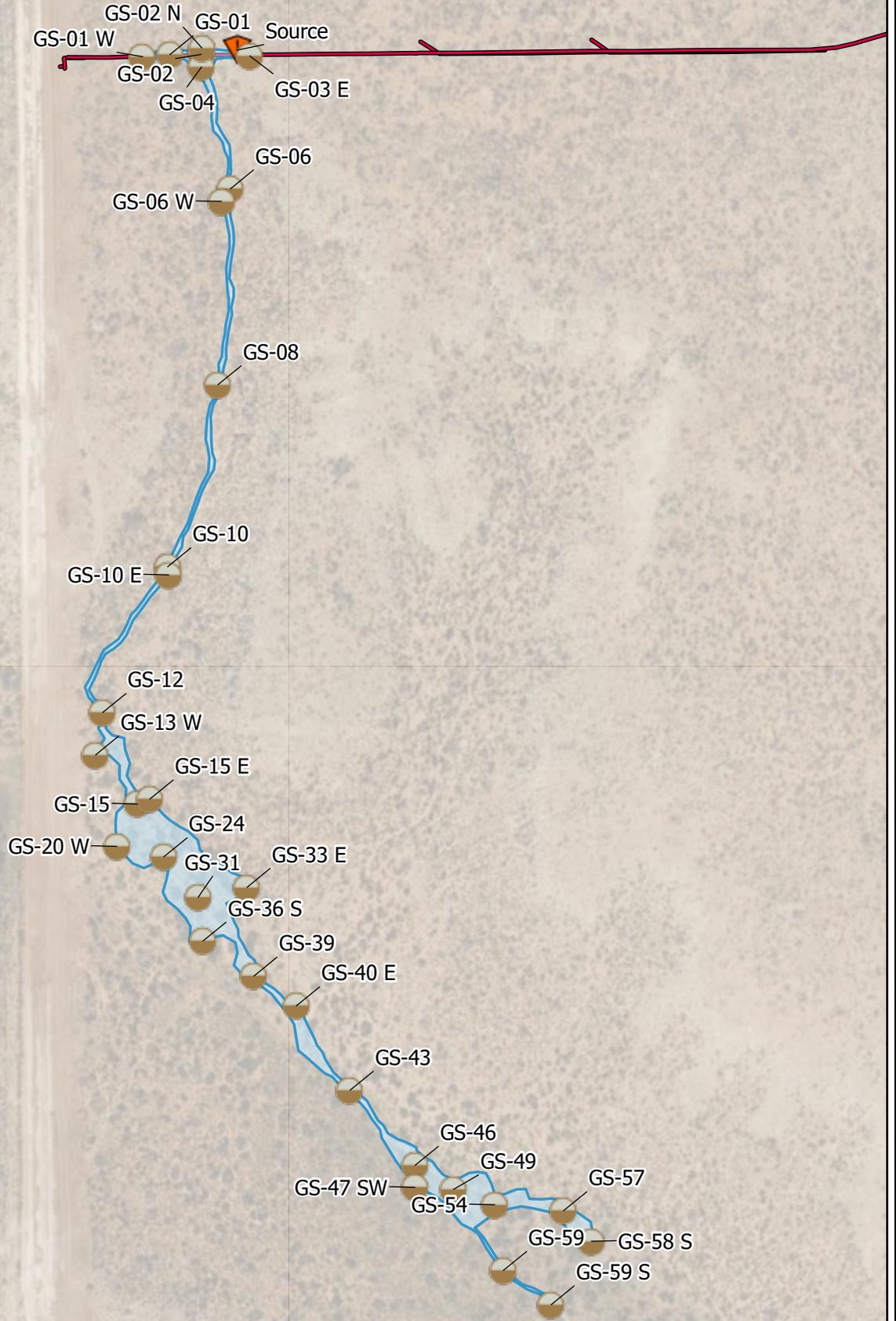
Andrew Parker  
Env. Scientist

08/24/2022

# Plates

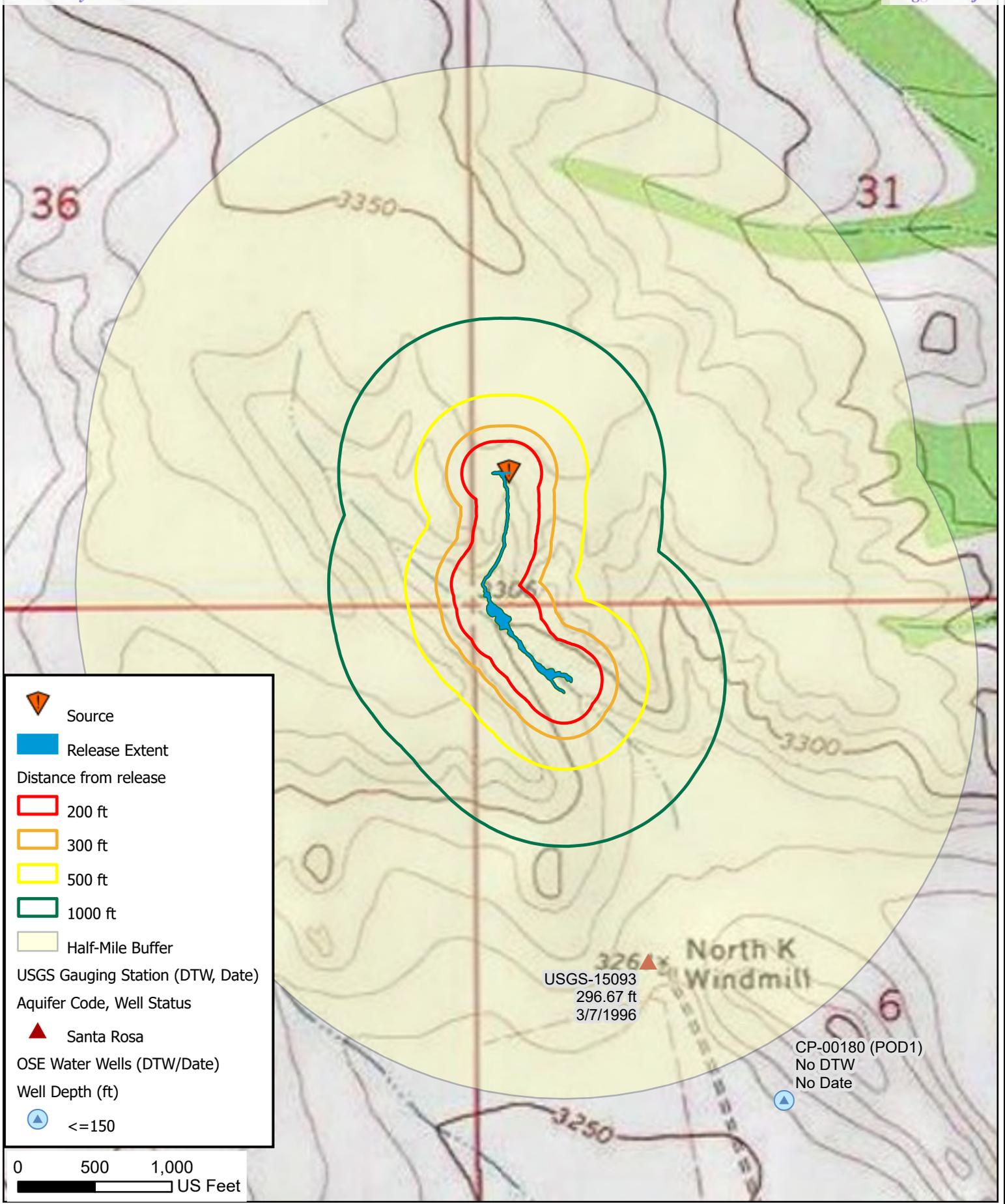


Ameredev II, LLC



Site Map  
 Par Three NGL Riser  
 Incident ID: nAPP2209827356  
 AEP #: 20220402-2300-water

Plate 1  
 08/24/2022



**Source**  
 Source

**Release Extent**  
 Release Extent

**Distance from release**

- 200 ft
- 300 ft
- 500 ft
- 1000 ft
- Half-Mile Buffer

**USGS Gauging Station (DTW, Date)**

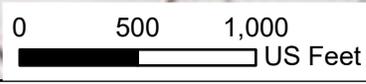
**Aquifer Code, Well Status**

- Santa Rosa

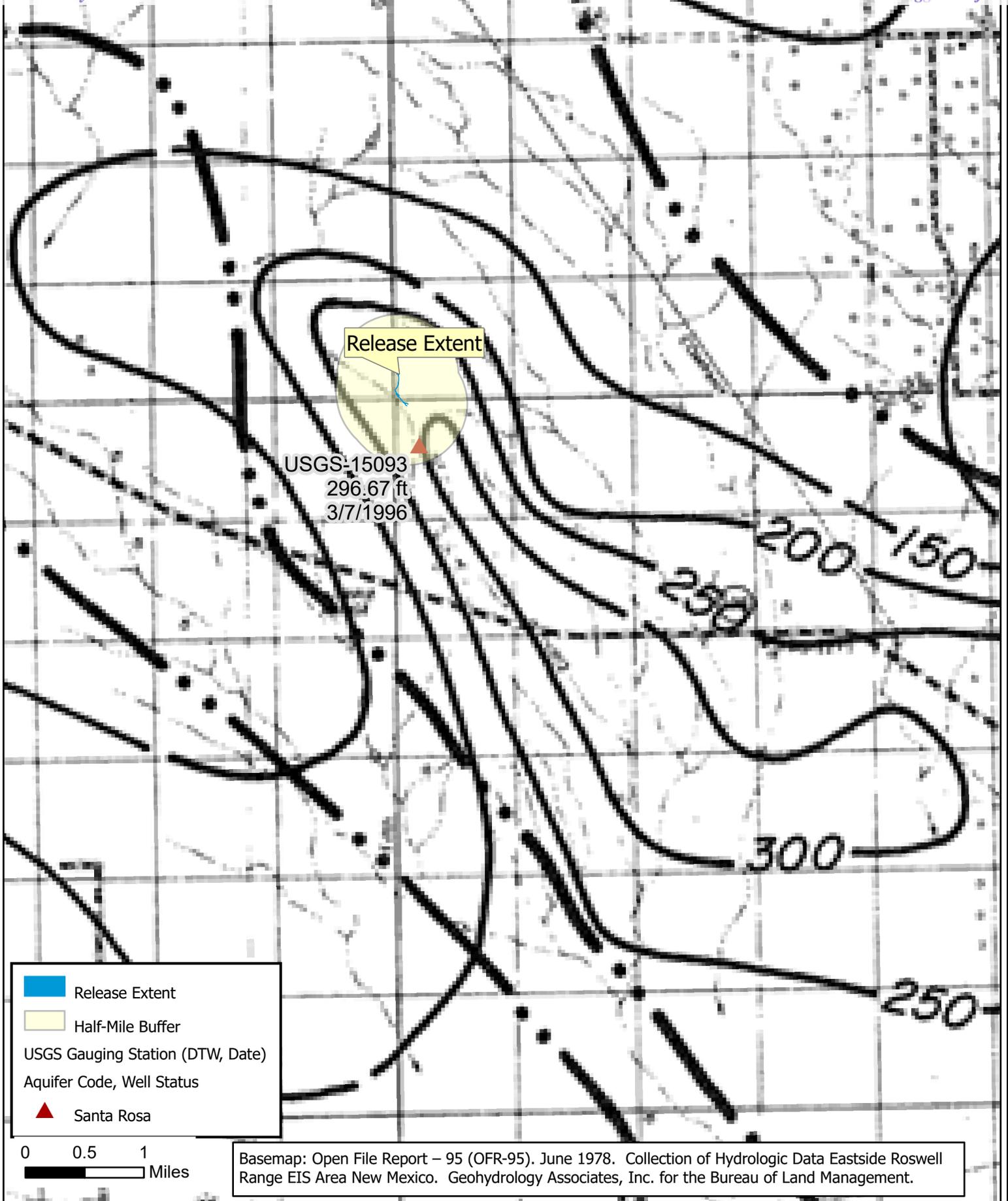
**OSE Water Wells (DTW/Date)**

**Well Depth (ft)**

- <=150



Depth to Water Par Three NGL Riser Incident ID: nAPP2209827356 AEP #: 20220402-2300-water	Plate 2a 06/27/2022
--	------------------------



Release Extent  
 Half-Mile Buffer  
 USGS Gauging Station (DTW, Date)  
 Aquifer Code, Well Status  
 Santa Rosa

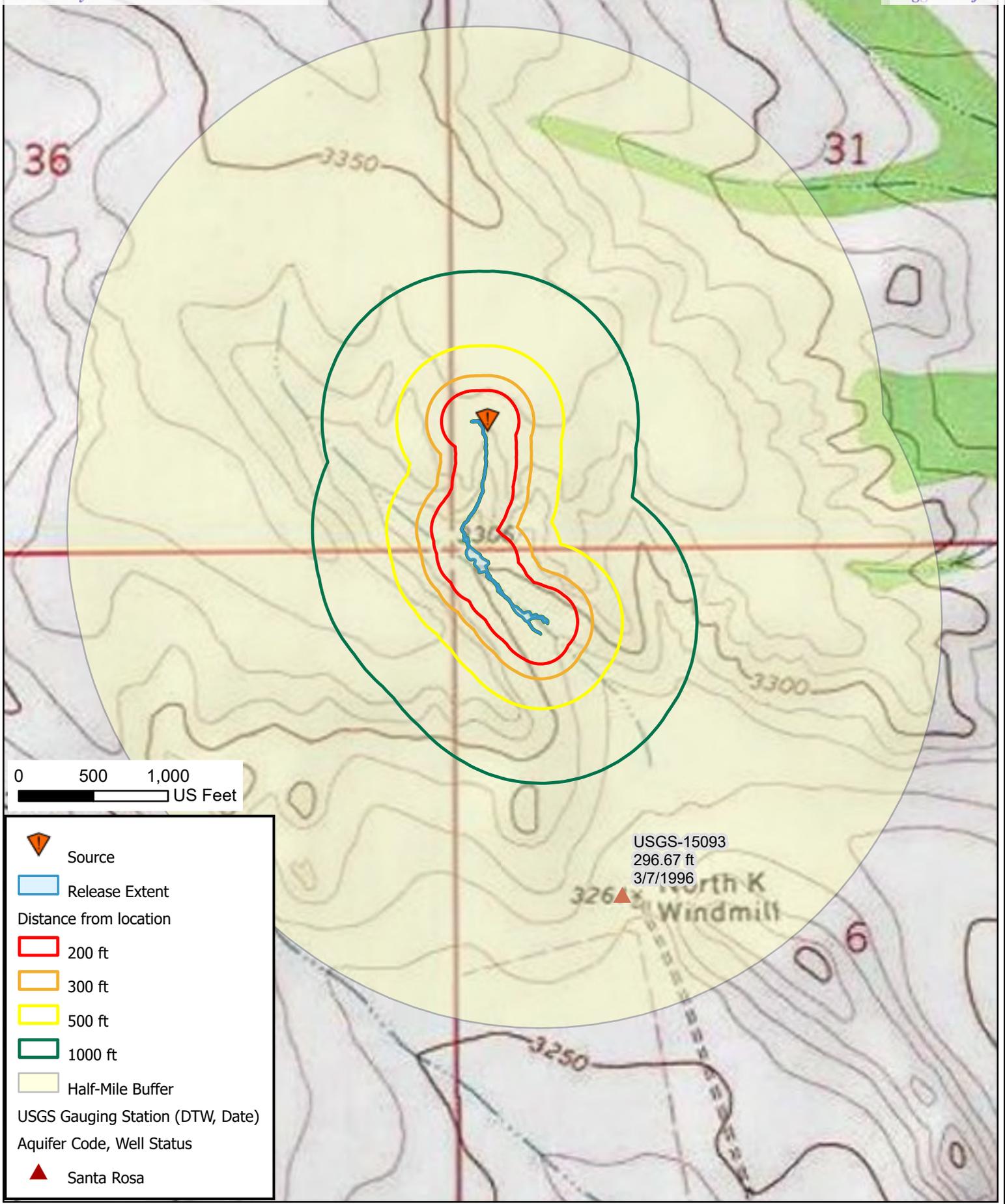


Basemap: Open File Report – 95 (OFR-95). June 1978. Collection of Hydrologic Data Eastside Roswell Range EIS Area New Mexico. Geohydrology Associates, Inc. for the Bureau of Land Management.



Depth-to-Water Isocontours  
 Par Three NGL Riser  
 Incident ID: nAPP2209827356  
 AEP #: 20220402-2300-water

Plate 2b  
 06/27/2022



0 500 1,000  
 US Feet

Source  
 Release Extent  
 Distance from location  
 200 ft  
 300 ft  
 500 ft  
 1000 ft  
 Half-Mile Buffer  
 USGS Gauging Station (DTW, Date)  
 Aquifer Code, Well Status  
 Santa Rosa

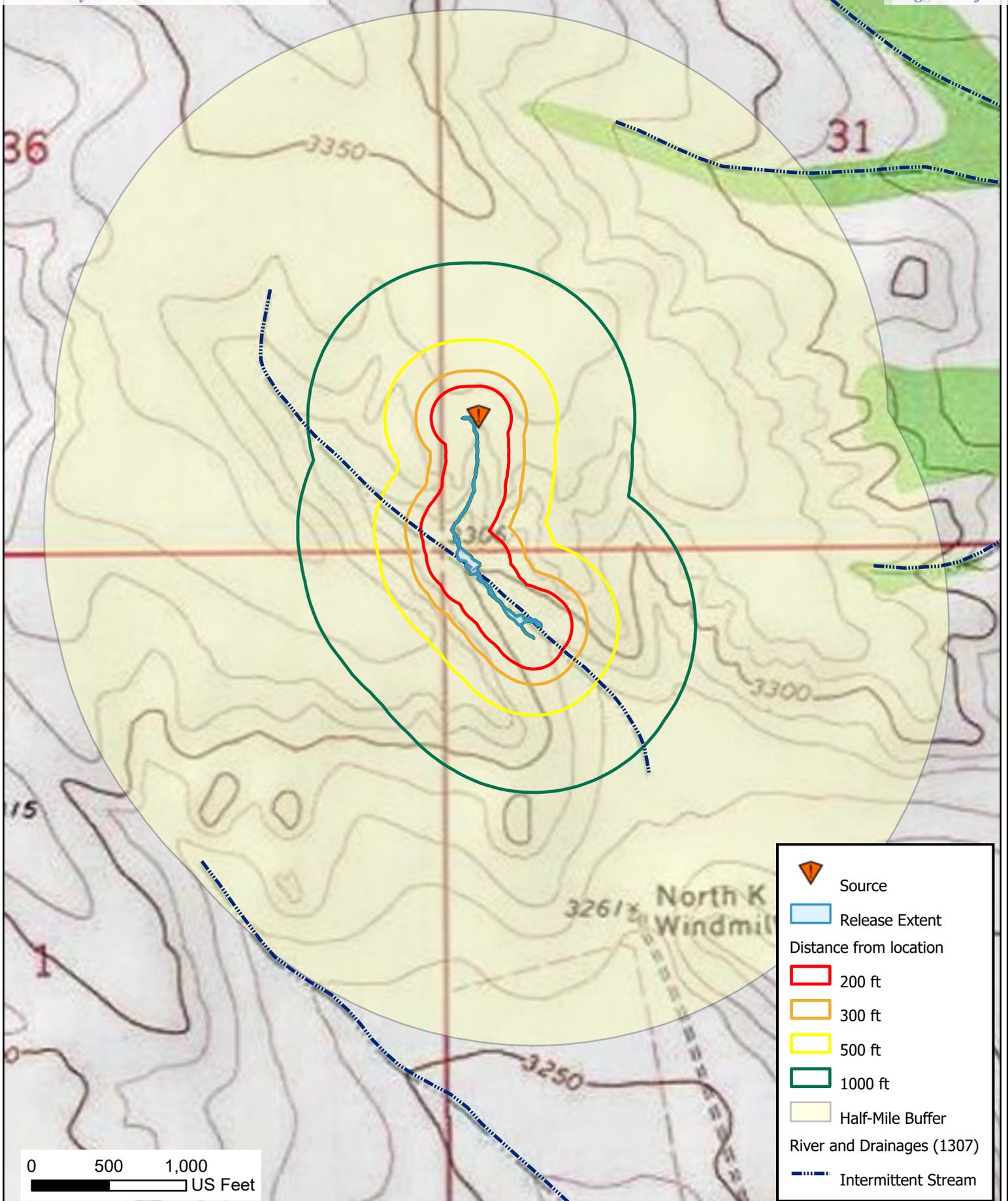
USGS-15093  
 296.67 ft  
 3/7/1996

326 North K  
 Windmill



Wellhead Protection  
 Par Three NGL Riser  
 Incident ID: nAPP2209827356  
 AEP #: 20220402-2300-water

Plate 3  
 06/08/2022



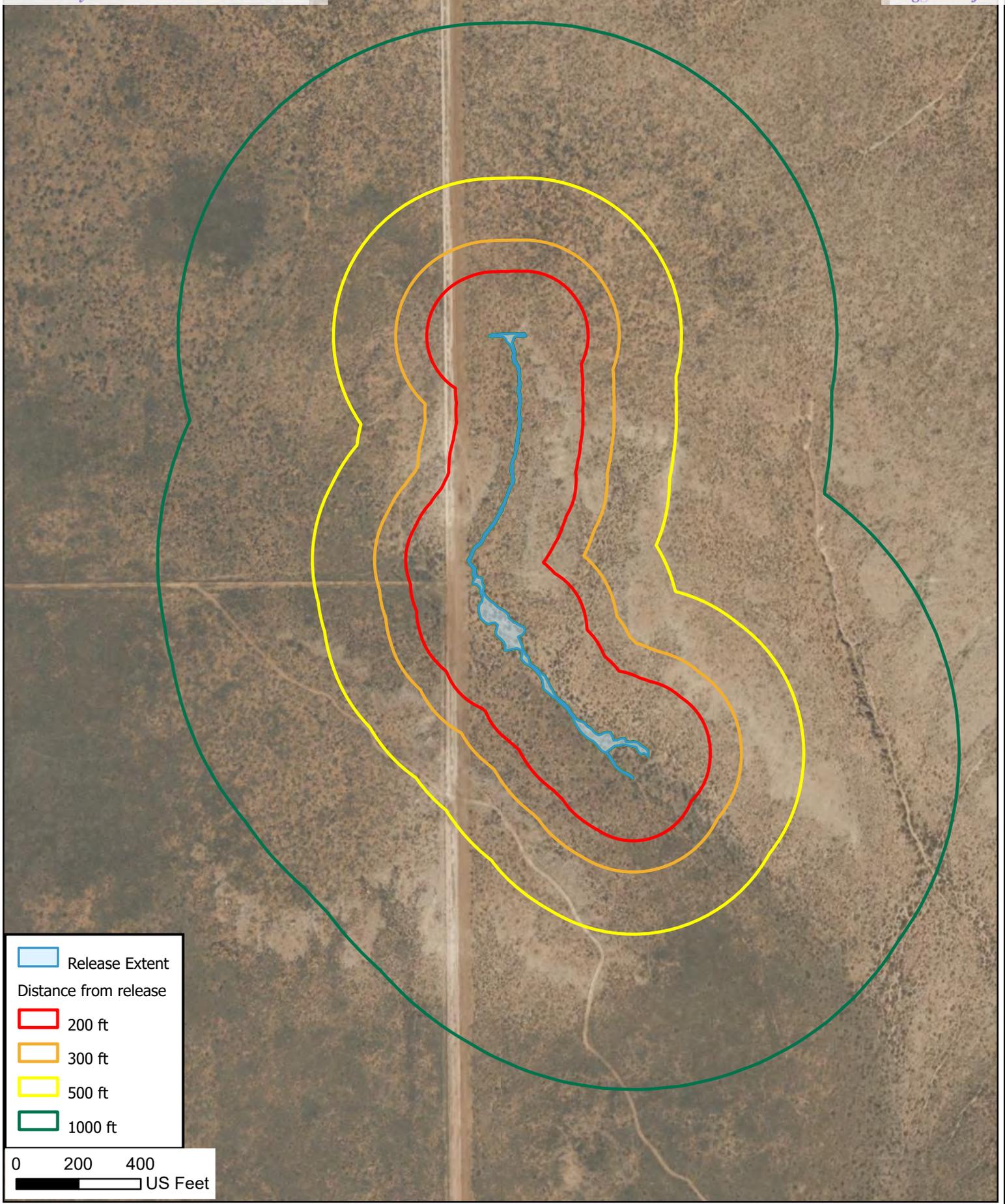
	Source
	Release Extent
Distance from location	
	200 ft
	300 ft
	500 ft
	1000 ft
	Half-Mile Buffer
	River and Drainages (1307)
	Intermittent Stream

0 500 1,000  
US Feet



Significant Watercourses  
Par Three NGL Riser  
Incident ID: nAPP2209827356  
AEP #: 20220402-2300-water

Plate 4  
06/09/2022



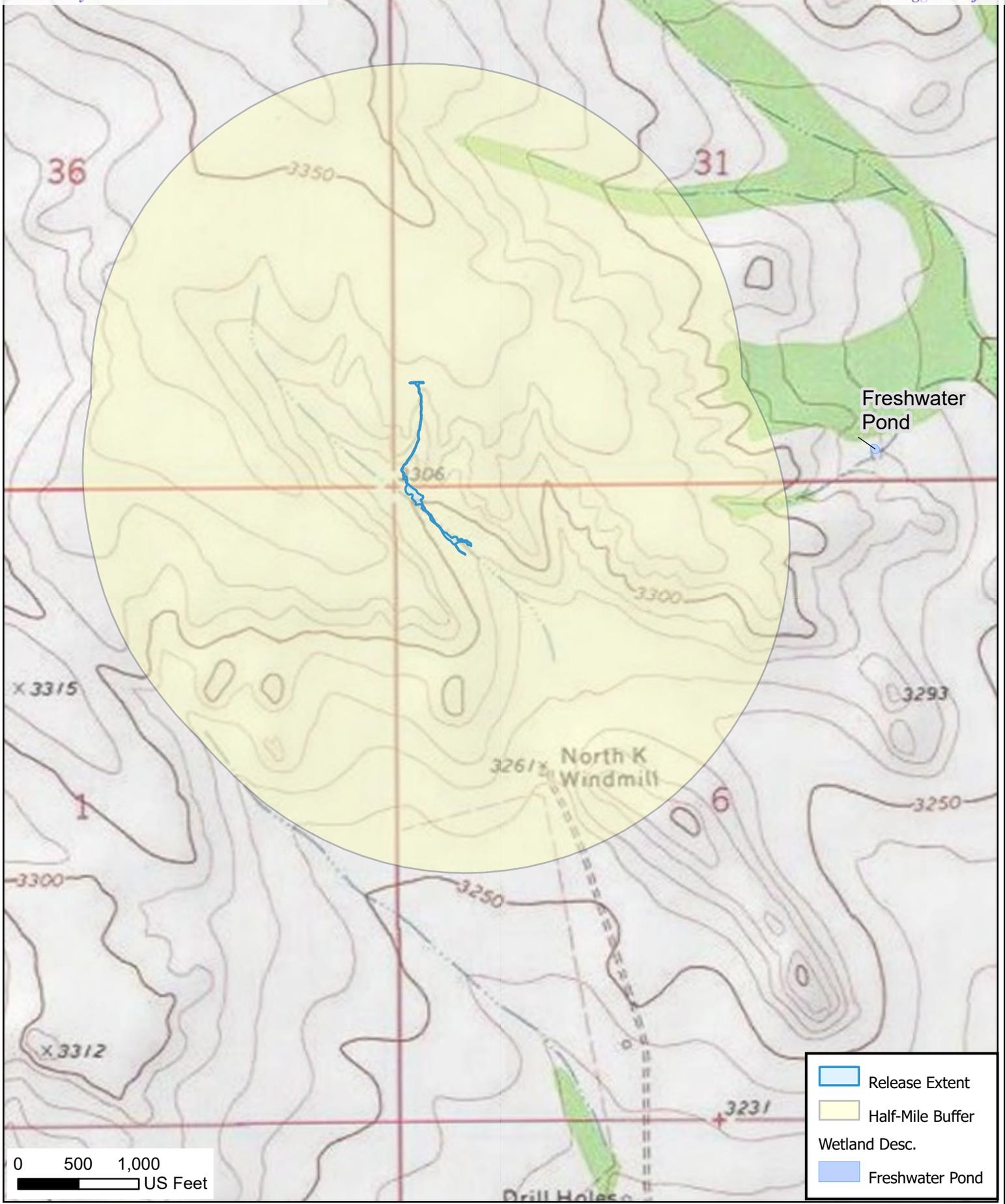
- Release Extent
- Distance from release
- 200 ft
- 300 ft
- 500 ft
- 1000 ft

0 200 400  
 US Feet



Nearby Structures  
 Par Three NGL Riser  
 Incident ID: nAPP2209827356  
 AEP #: 20220402-2300-water

Plate 5  
 06/09/2022



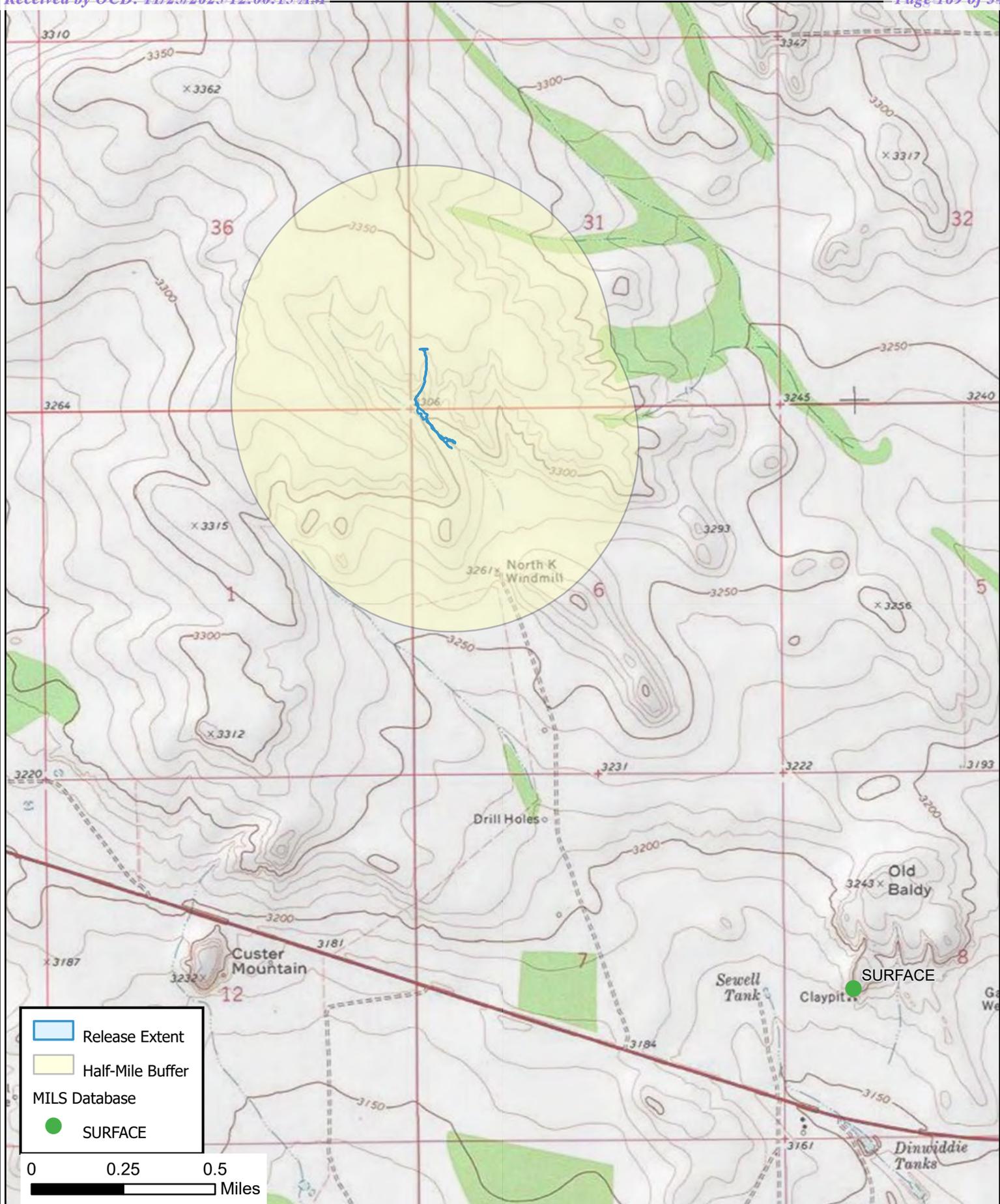
0 500 1,000  
 US Feet

-  Release Extent
-  Half-Mile Buffer
-  Wetland Desc.
-  Freshwater Pond



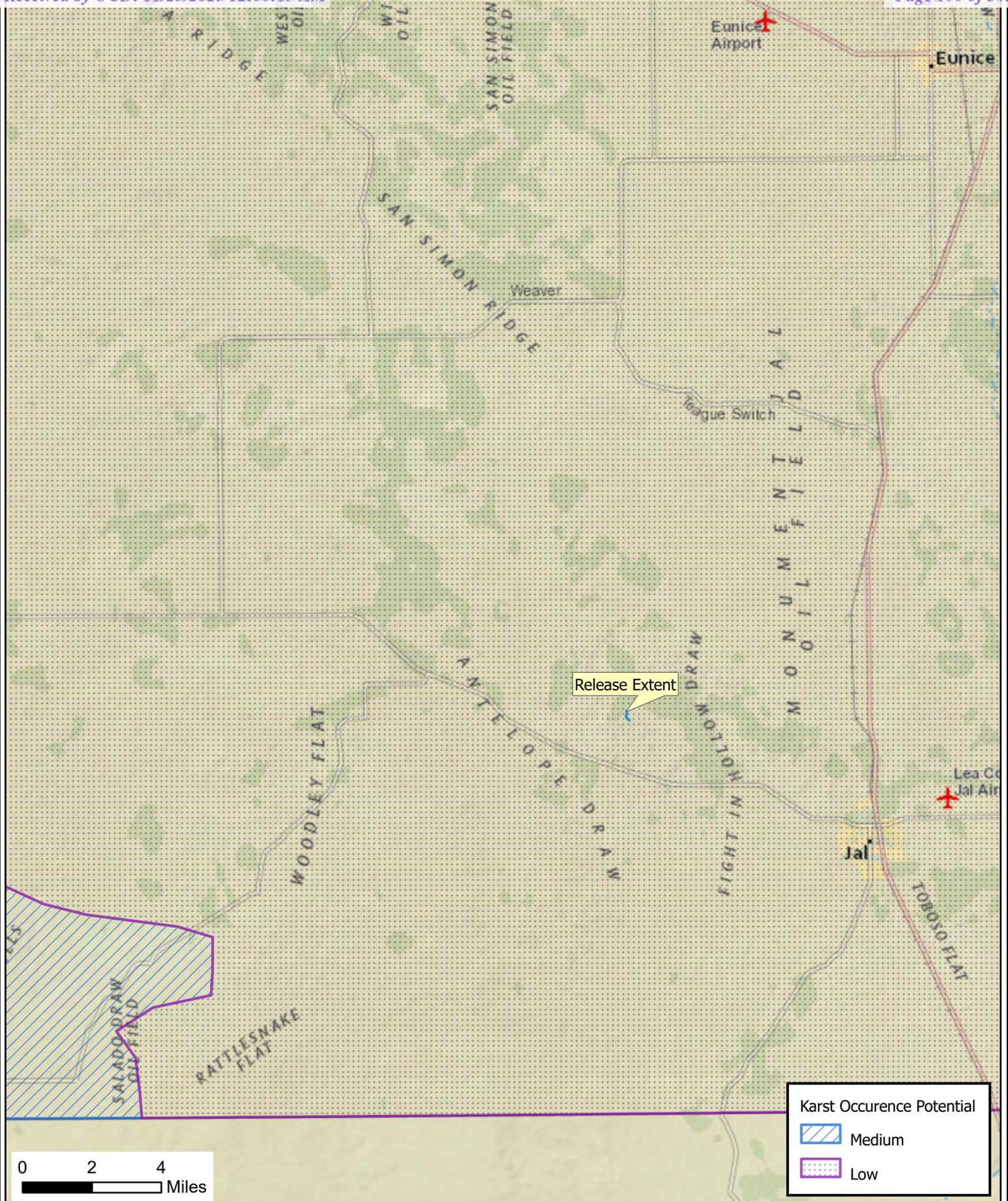
Wetlands  
 Par Three NGL Riser  
 Incident ID: nAPP2209827356  
 AEP #: 20220402-2300-water

Plate 6  
 06/09/2022



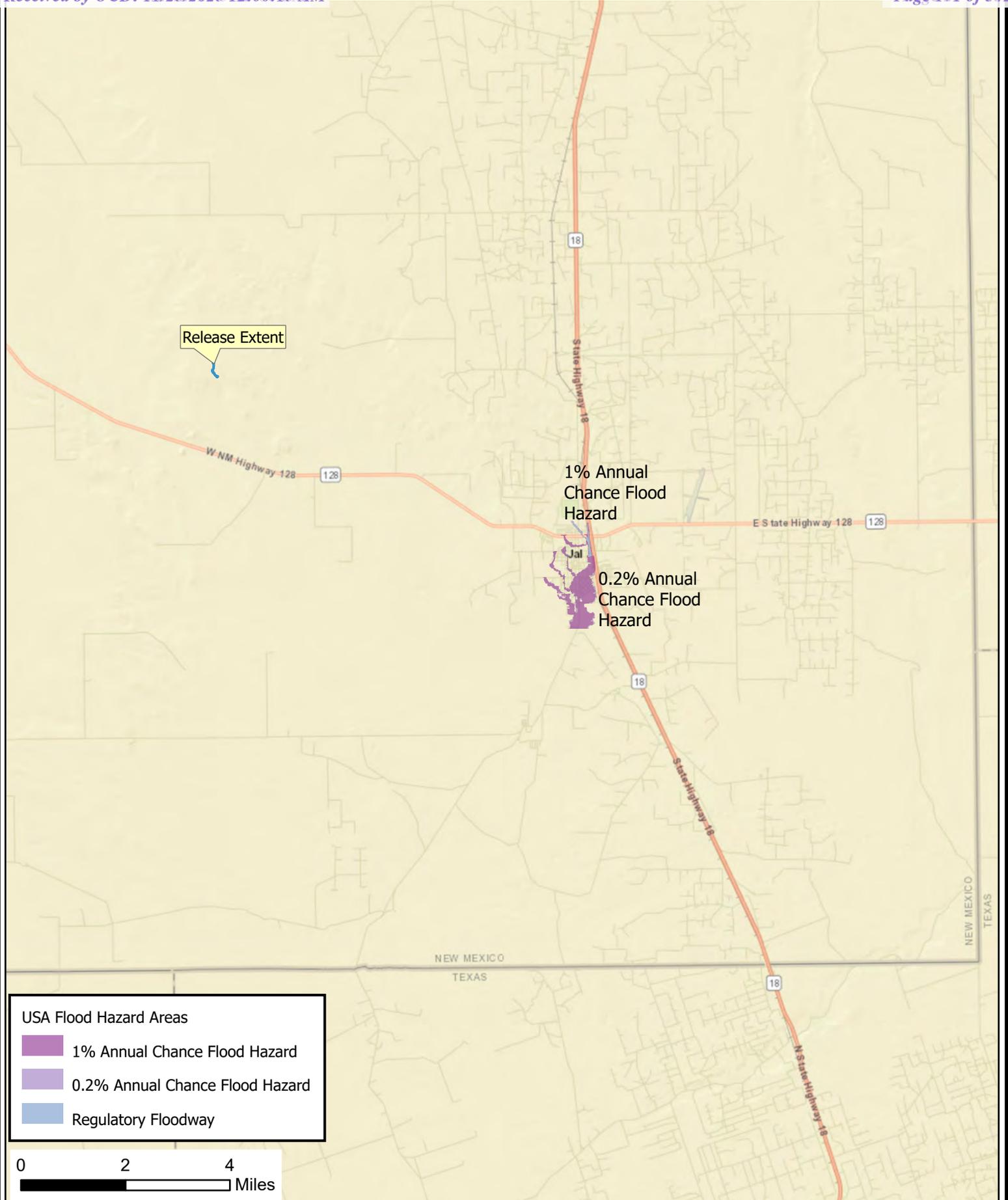
Mines and Minerals  
 Par Three NGL Riser  
 Incident ID: nAPP2209827356  
 AEP #: 20220402-2300-water

Plate 7  
 06/09/2022



Karst - Unstable Areas  
 Par Three NGL Riser  
 Incident ID: nAPP2209827356  
 AEP #: 20220402-2300-water

Plate 08  
 06/09/2022



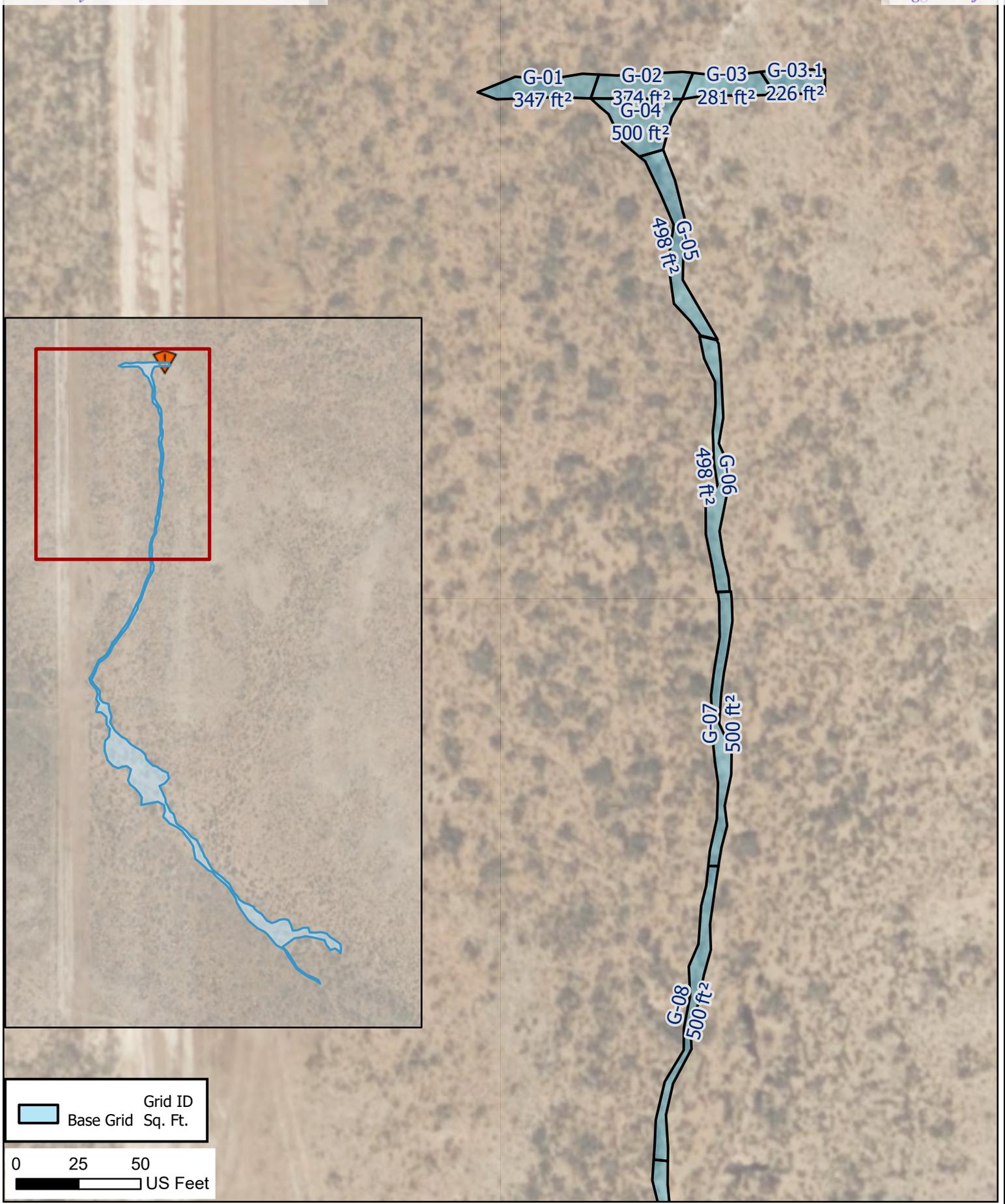
**USA Flood Hazard Areas**

- 1% Annual Chance Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Regulatory Floodway

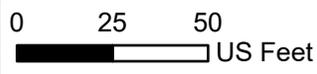


**Flood Hazards**  
**Par Three NGL Riser**  
 Incident ID: nAPP2209827356  
 AEP #: 20220402-2300-water

Plate 9  
 06/09/2022

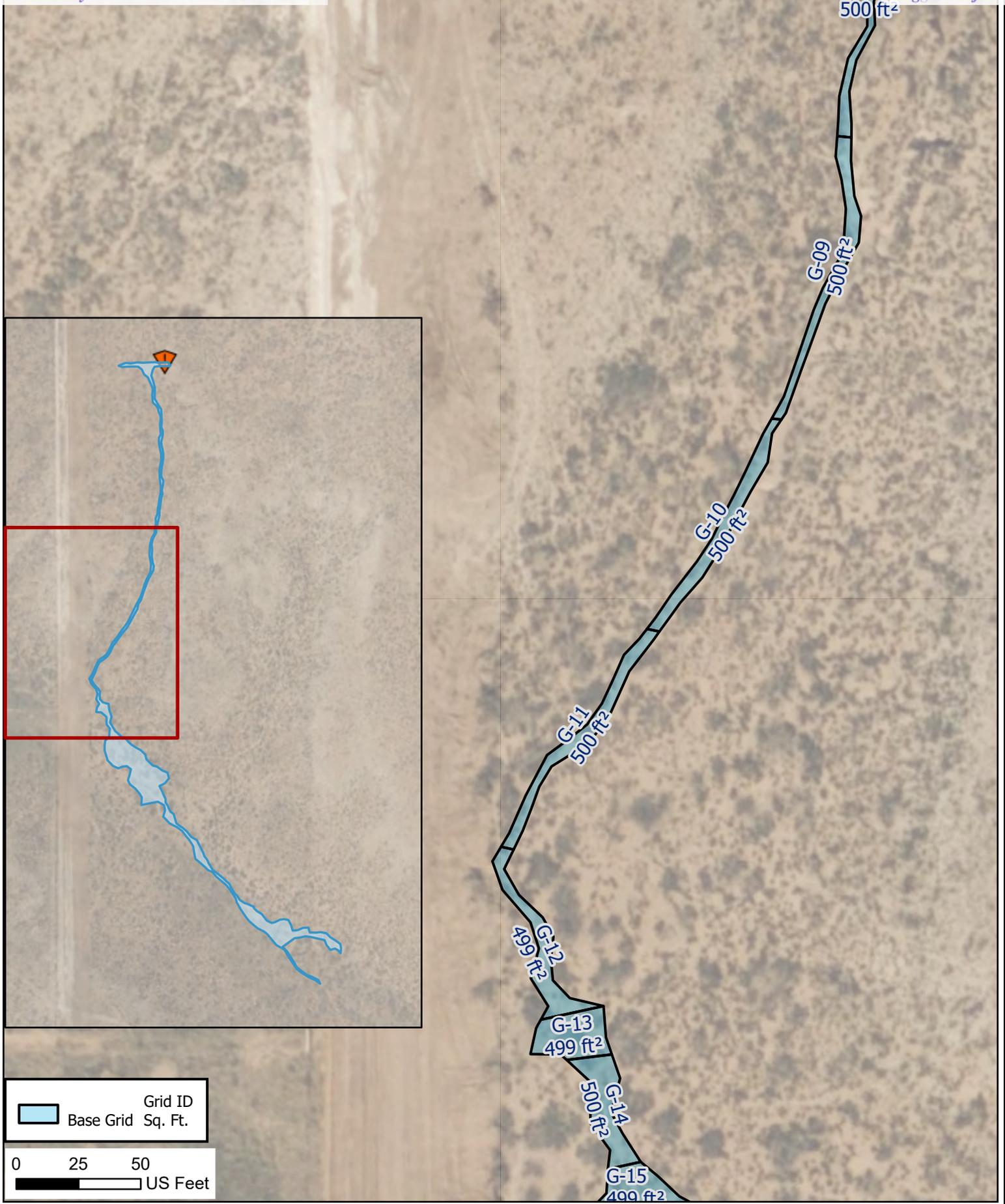


Grid ID  
 Base Grid Sq. Ft.



Base Grid - North Quarter  
 Par Three NGL Riser  
 Incident ID: nAPP2209827356  
 AEP #: 20220402-2300-water

Plate 10a  
 Revised  
 08/20/2022



Grid ID  
 Base Grid Sq. Ft.

0    25    50  
 ─────────── US Feet

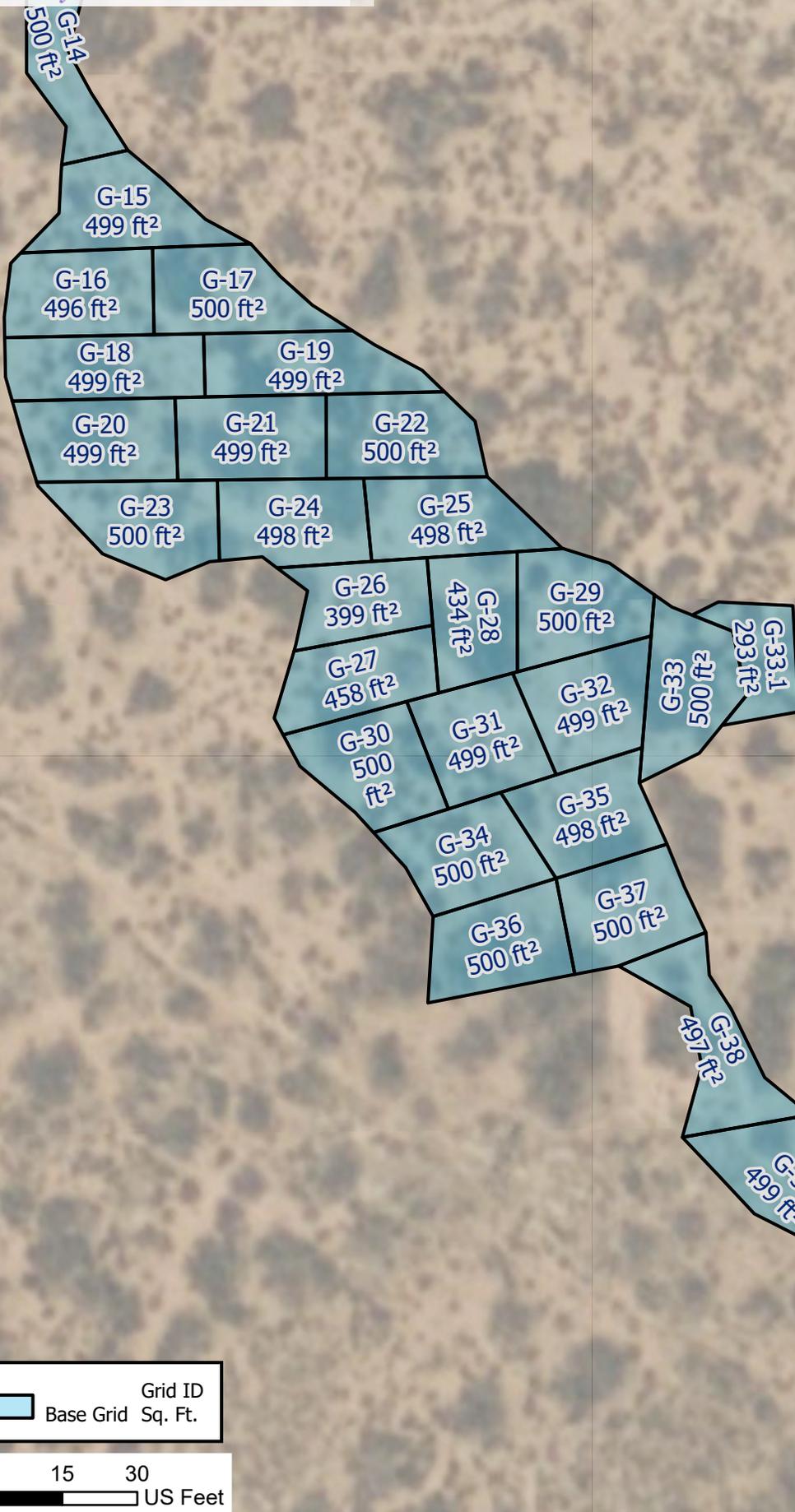


Base Grid - North Central Quarter  
Par Three NGL Riser

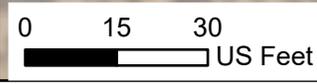
Incident ID: nAPP2209827356  
AEP #: 20220402-2300-water

Plate 10b

06/27/2022



Grid ID  
 Base Grid Sq. Ft.

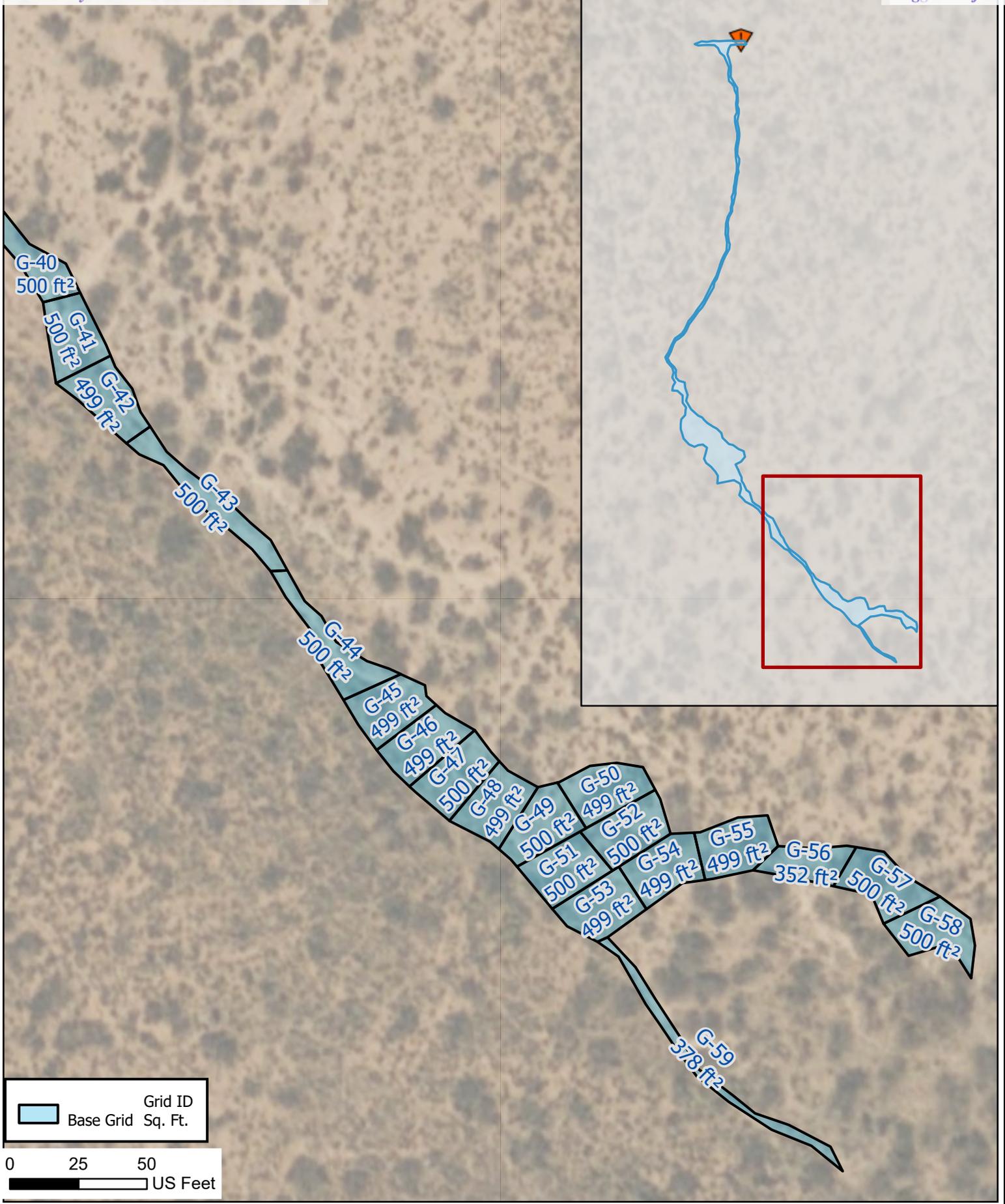


Base Grid - South Central Quarter  
Par Three NGL Riser

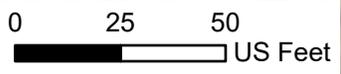
Incident ID: nAPP2209827356  
AEP #: 20220402-2300-water

Plate 10c  
Revised

08/20/2022

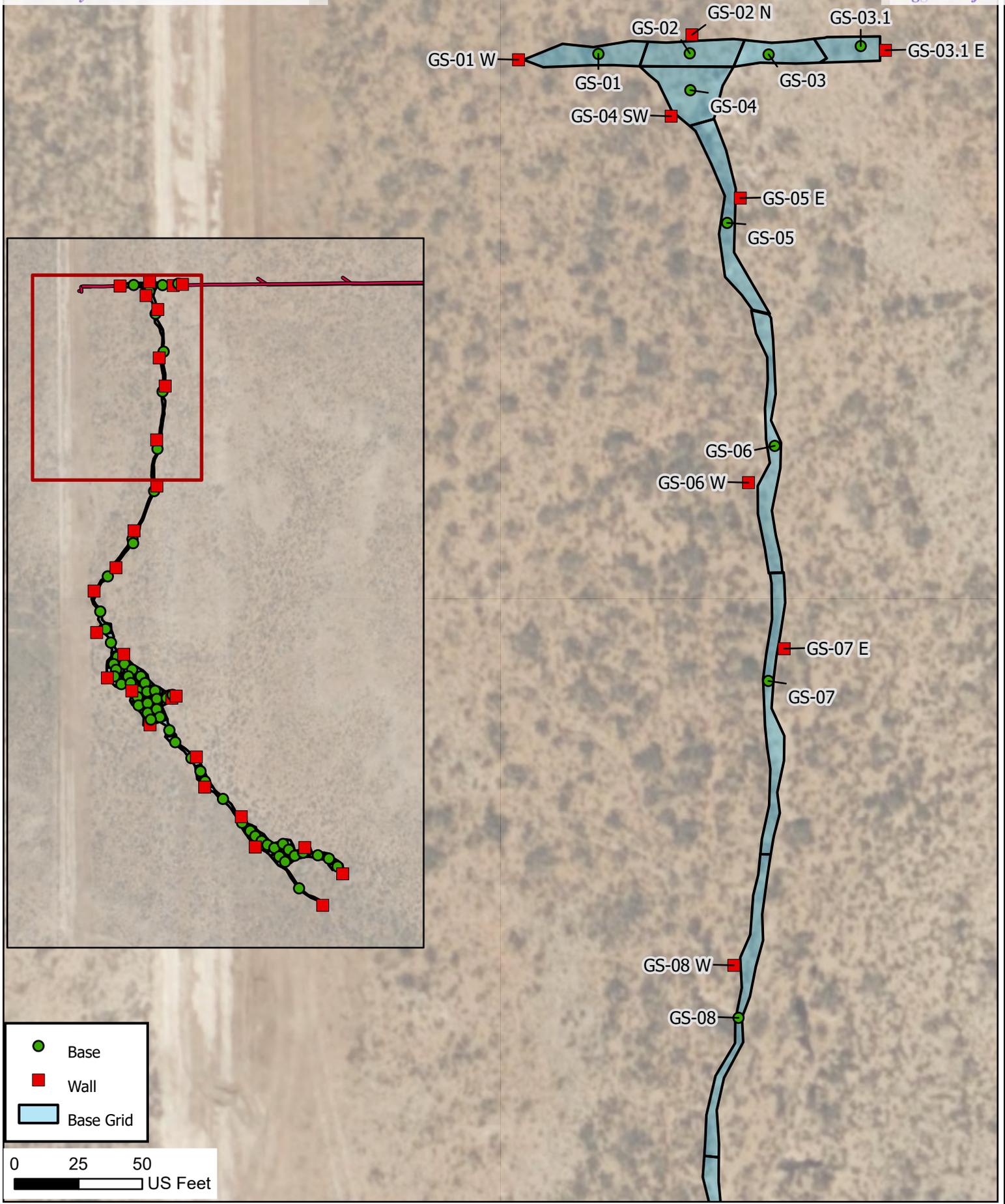


Grid ID  
 Base Grid Sq. Ft.



Base Grid - South Quarter  
 Par Three NGL Riser  
 Incident ID: nAPP2209827356  
 AEP #: 20220402-2300-water

Plate 10d  
 06/27/2022



- Base
- Wall
- Base Grid

0 25 50  
 US Feet

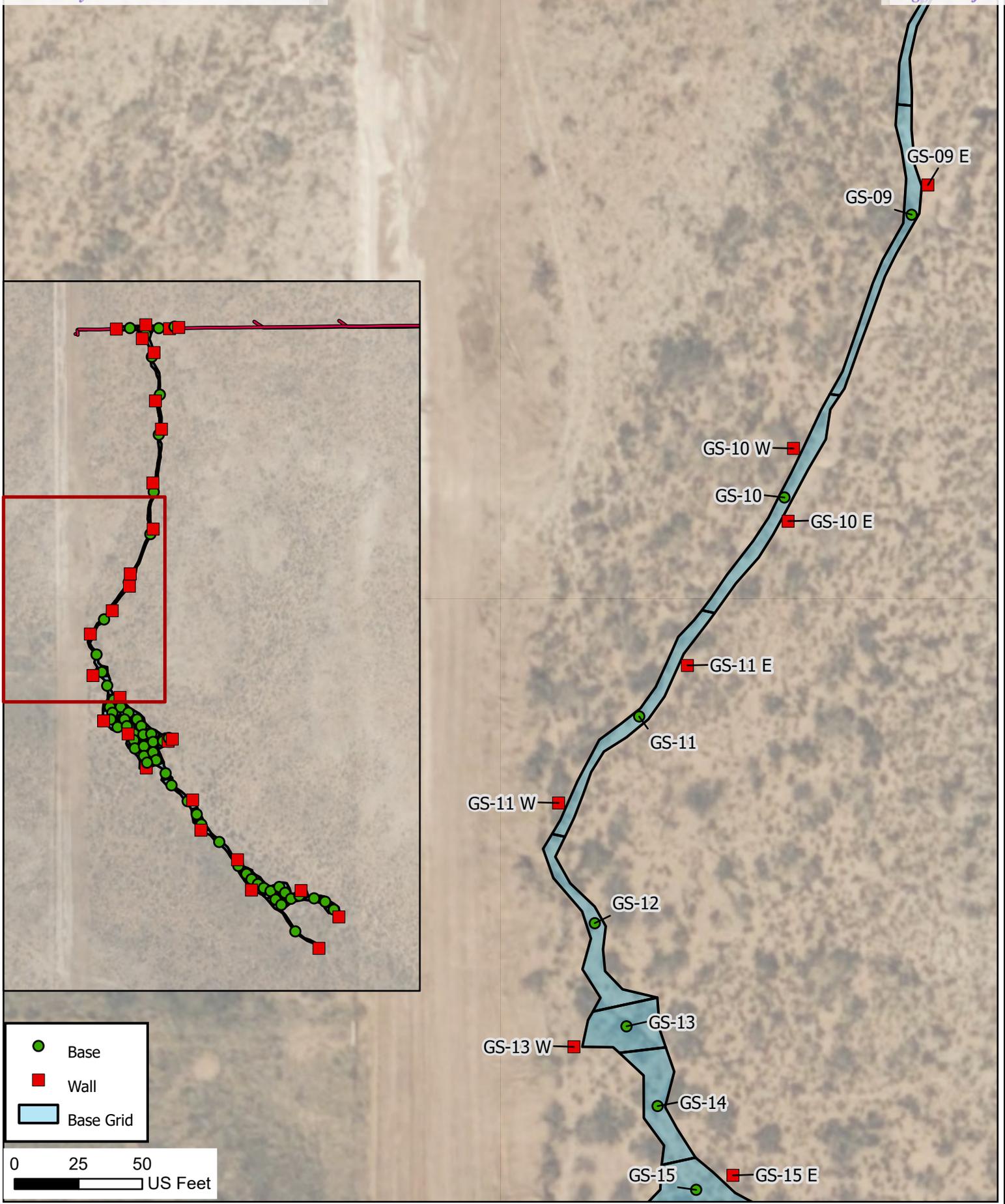


Proposed Sample Locations- North Quarter  
 Par Three NGL Riser

Incident ID: nAPP2209827356  
 AEP #: 20220402-2300-water

Plate 11a  
 Revised

08/20/2022



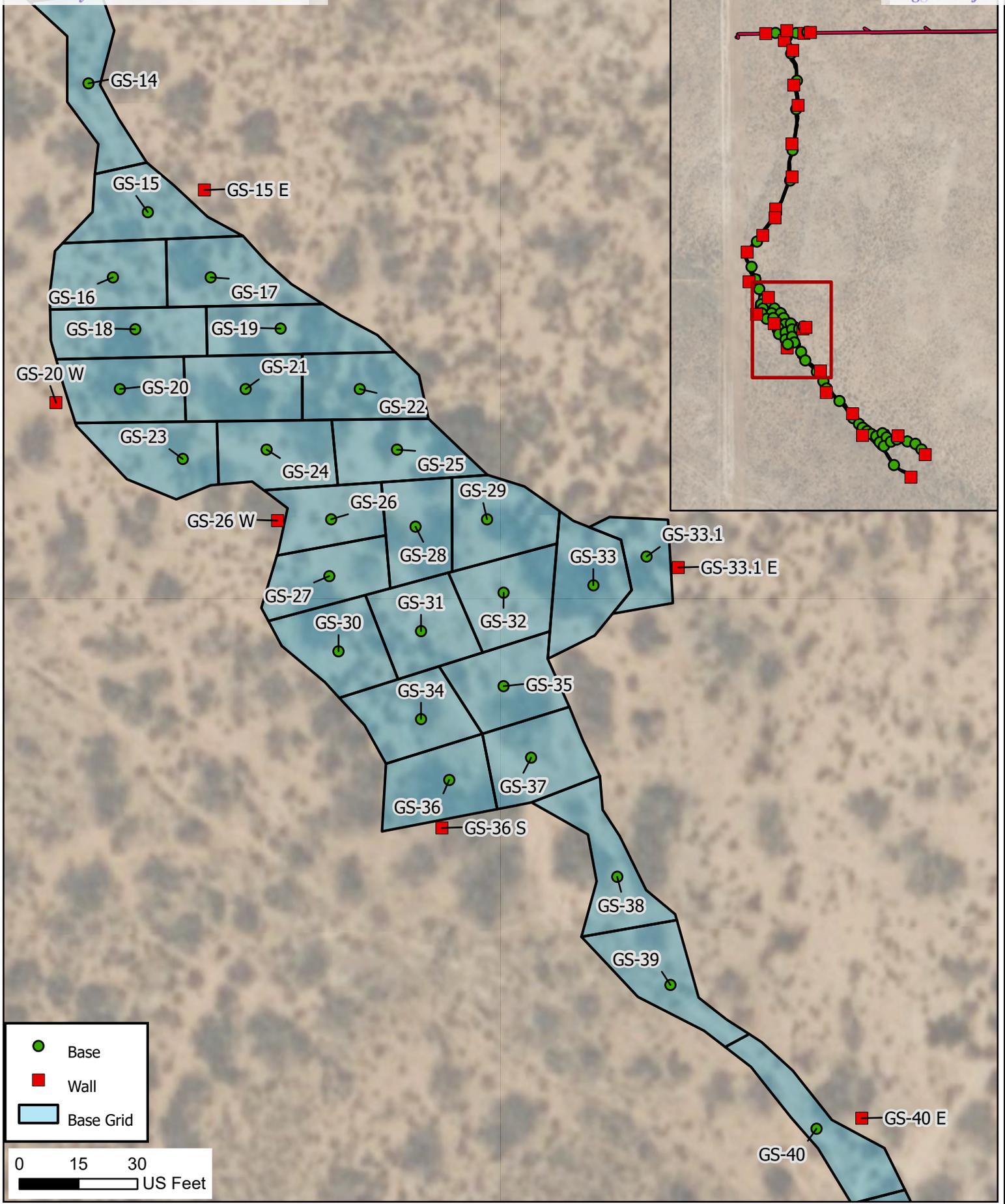
- Base
- Wall
- Base Grid

0 25 50  
 US Feet



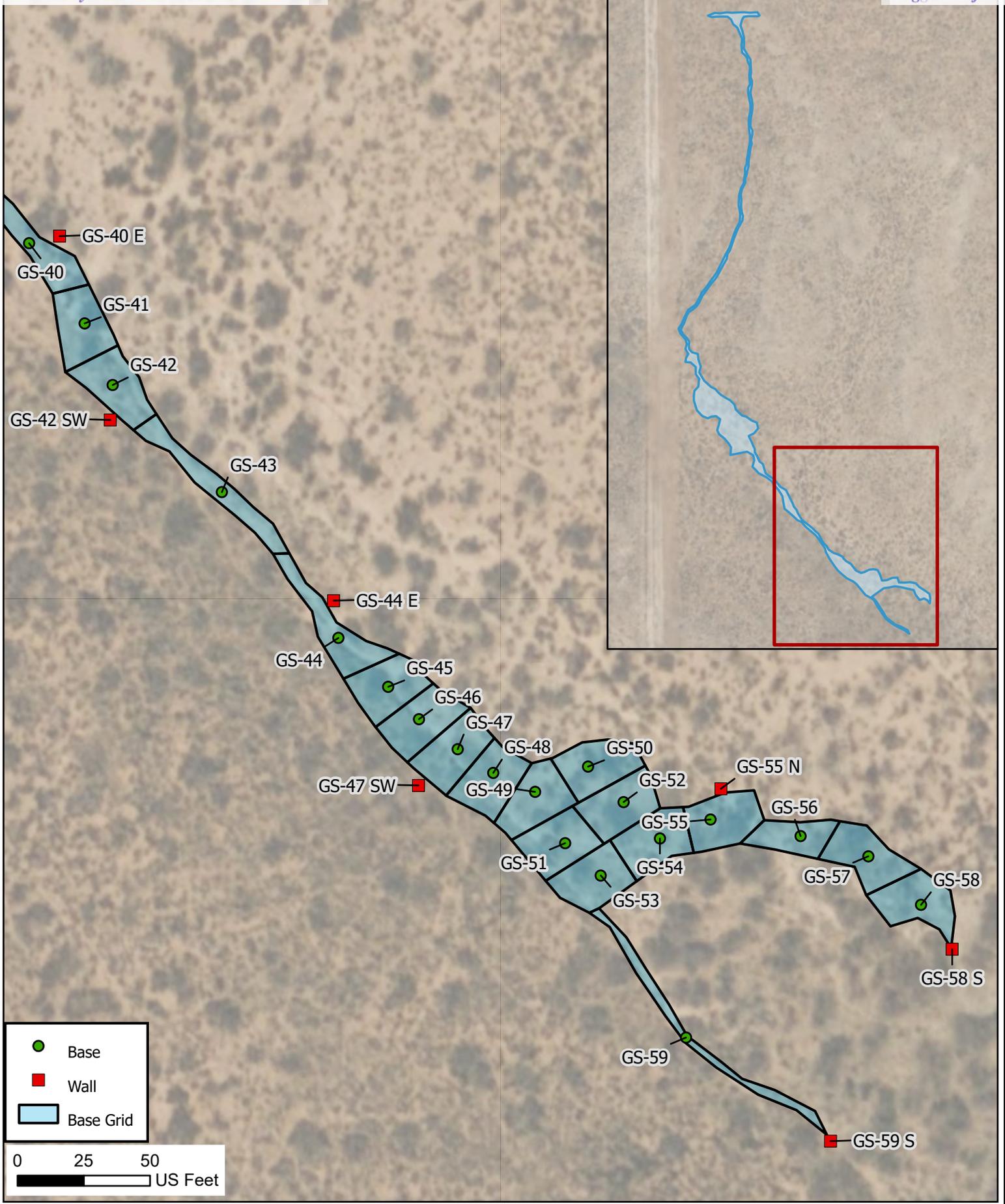
Proposed Sample Locations- North Central Quarter  
 Par Three NGL Riser  
 Incident ID: nAPP2209827356  
 AEP #: 20220402-2300-water

Plate 11b  
 Revised  
 08/20/2022



Proposed Sample Locations- South Central Quarter  
 Par Three NGL Riser  
 Incident ID: nAPP2209827356  
 AEP #: 20220402-2300-water

Plate 11c  
 Revised  
 08/20/2022



Proposed Sample Locations- South Quarter  
 Par Three NGL Riser  
 Incident ID: nAPP2209827356  
 AEP #: 20220402-2300-water

Plate 11d  
 Revised  
 08/20/2022

# Tables



Ameredev II, LLC

August 24, 2022

Table A  
Summary of Analytical

Incident ID: nAPP2209827356  
Par Three NGL Riser  
AEP #: 20220402-2300-water

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Surface Use	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Comments	Notes	Lab (Hall/Cardinal)	Lab #
NMOCD Closure Criteria														
0 - 4 feet & "not in-use"						600	--	2,500	10	50				
> 4 ft or "in-use"						20000	1,000	2,500	10	50				
GS-01	8/16/2022		0	1	ROW	96	<20	<30	<0.05	<0.3	Vertical Delineation	Auger Refusal	Cardinal	H223746
GS-01 W	8/16/2022		0	2	ROW	32	<20	<30	<0.05	<0.3	Horizontal Delineation		Cardinal	H223746
GS-02	8/16/2022		0	2	ROW	1340	<20	<30	<0.05	<0.3	Vertical Delineation	Auger Refusal	Cardinal	H223746
GS-02 N	8/16/2022		0	2	ROW	80	<20	<30	<0.05	<0.3	Horizontal Delineation		Cardinal	H223746
GS-03 E	8/16/2022		0	2	ROW	848	<20	<30	<0.05	<0.3	Horizontal Delineation	Auger Refusal	Cardinal	H223746
GS-04	8/16/2022		0	2	Pasture	48	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223746
GS-04	8/16/2022		2	3	Pasture	112	<20	<30	<0.05	<0.3	Vertical Delineation	Auger Refusal	Cardinal	H223746
GS-06	8/16/2022		0	1	Pasture	96	<20	<30	<0.05	<0.3	Vertical Delineation	Auger Refusal	Cardinal	H223746
GS-06 W	8/16/2022		0	2	Pasture	64	<20	<30	<0.05	<0.3	Horizontal Delineation		Cardinal	H223746
GS-08	8/16/2022		0	1.5	Pasture	48	<20	<30	<0.05	<0.3	Vertical Delineation	Auger Refusal	Cardinal	H223746
GS-10	8/16/2022		0	2	Pasture	560	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223746
GS-10	8/16/2022		2	4	Pasture	992	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223746
GS-10	8/16/2022	4.5			Pasture	128	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223746
GS-10	8/16/2022	5.5			Pasture	80	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223746
GS-10 E	8/16/2022		0	2	Pasture	48	<20	<30	<0.05	<0.3	Horizontal Delineation		Cardinal	H223746
GS-12	8/16/2022		0	2	Pasture	272	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223746
GS-12	8/16/2022		2	4	Pasture	1360	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223746
GS-12	8/16/2022	4.5			Pasture	1680	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223746
GS-12	8/16/2022	5.5			Pasture	608	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223746
GS-12	8/16/2022	6.5			Pasture	128	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223746
GS-13 W	8/16/2022		0	2	Pasture	48	<20	<30	<0.05	<0.3	Horizontal Delineation		Cardinal	H223746
GS-15	8/15/2022		0	2	Pasture	96	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-15	8/15/2022		2	4	Pasture	448	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-15	8/15/2022	4.5			Pasture	1360	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-15	8/15/2022	5.5			Pasture	2290	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-15	8/15/2022	6.5			Pasture	3600	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-15 E	8/15/2022		0	2	Pasture	64	<20	<30	<0.05	<0.3	Horizontal Delineation	Auger Refusal	Cardinal	H223726
GS-20 W	8/15/2022		0	2	Pasture	32	<20	<30	<0.05	<0.3	Horizontal Delineation		Cardinal	H223726
GS-24	8/15/2022		0	2	Pasture	256	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-24	8/15/2022		2	4	Pasture	1570	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-24	8/15/2022	4.5			Pasture	2700	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-24	8/15/2022	5.5			Pasture	1680	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-24	8/15/2022	6.5			Pasture	816	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-31	8/15/2022		0	2	Pasture	464	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-31	8/15/2022		2	4	Pasture	1260	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-31	8/15/2022	4.5			Pasture	1820	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-31	8/15/2022	5.5			Pasture	288	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-31	8/15/2022	6.5 B			Pasture	224	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-31	8/15/2022	6.5 A			Pasture	96	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-33 E	8/15/2022		0	2	Pasture	288	<20	<30	<0.05	<0.3	Horizontal Delineation		Cardinal	H223726
GS-33 E	8/15/2022		2	4	Pasture	1180	<20	<30	<0.05	<0.3	Horizontal Delineation	Auger Refusal	Cardinal	H223726
GS-33 E	8/15/2022	4.4			Pasture	112	<20	<30	<0.05	<0.3	Horizontal Delineation		Cardinal	H223726

August 24, 2022

Table A  
Summary of Analytical

Incident ID: nAPP2209827356  
Par Three NGL Riser  
AEP #: 20220402-2300-water

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Surface Use	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Comments	Notes	Lab (Hall/Cardinal)	Lab #
NMOCD Closure Criteria														
0 - 4 feet & "not in-use"						600	--	2,500	10	50				
> 4 ft or "in-use"						20000	1,000	2,500	10	50				
GS-36 S	8/15/2022		0	2	Pasture	48	<20	<30	<0.05	<0.3	Horizontal Delineation		Cardinal	H223726
GS-39	8/15/2022		0	2	Pasture	48	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-39	8/15/2022		2	4	Pasture	32	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-39	8/15/2022	4.5			Pasture	560	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-39	8/15/2022	5.5			Pasture	1010	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-39	8/15/2022	6.5			Pasture	736	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-39	8/15/2022	7.5			Pasture	96	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-40 E	8/12/2022		0	2	Pasture	48	<20	<30	<0.05	<0.3	Horizontal Delineation		Cardinal	H223700
GS-43	8/12/2022		0	2	Pasture	80	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223700
GS-46	8/15/2022		0	2	Pasture	32	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223726
GS-47 SW	8/12/2022		0	2	Pasture	64	<20	<30	<0.05	<0.3	Horizontal Delineation		Cardinal	H223700
GS-49	8/12/2022		0	2	Pasture	608	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223700
GS-49	8/12/2022		2	4	Pasture	1600	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223700
GS-49	8/12/2022	4.5			Pasture	80	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223700
GS-54	8/12/2022		0	2	Pasture	48	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223700
GS-57	8/12/2022		0	2	Pasture	32	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223700
GS-58 S	8/12/2022		0	2	Pasture	224	<20	<30	<0.05	<0.3	Horizontal Delineation		Cardinal	H223700
GS-58 S	8/12/2022		2	4	Pasture	128	<20	<30	<0.05	<0.3	Horizontal Delineation		Cardinal	H223700
GS-58 S	8/12/2022	4.5			Pasture	80	<20	<30	<0.05	<0.3	Horizontal Delineation		Cardinal	H223700
GS-59	8/12/2022		0	2	Pasture	96	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223700
GS-59	8/12/2022		2	4	Pasture	320	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223700
GS-59	8/12/2022	4.5			Pasture	416	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223700
GS-59	8/12/2022	5.5			Pasture	400	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223700
GS-59	8/12/2022	6.5			Pasture	128	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223700
GS-59	8/12/2022	7.5			Pasture	224	<20	<30	<0.05	<0.3	Vertical Delineation		Cardinal	H223700
GS-59 S	8/12/2022		0	2	Pasture	80	<20	<30	<0.05	<0.3	Horizontal Delineation		Cardinal	H223700
Exceeds Closure Criteria														

Name	Sample Type	Latitude	Longitude
GS-01	Base	32.16888026	-103.3121563
GS-01 W	Wall	32.16887472	-103.3122574
GS-02	Base	32.16887993	-103.3120408
GS-02 N	Wall	32.16889983	-103.3120379
GS-03	Base	32.16887791	-103.3119411
GS-03 E	Wall	32.16887397	-103.3118618
GS-03.1	Base	32.16888602	-103.3118245
GS-03.1 E	Wall	32.16888117	-103.3117933
GS-04	Base	32.16884027	-103.3120405
GS-04 SW	Wall	32.1688125	-103.3120651
GS-05	Base	32.16869711	-103.3119955
GS-05 E	Wall	32.1687236	-103.3119786
GS-06	Base	32.1684567	-103.3119381
GS-06 W	Wall	32.1684174	-103.3119716
GS-07	Base	32.16820385	-103.3119489
GS-07 E	Wall	32.16823831	-103.3119286
GS-08	Base	32.16784165	-103.3119907
GS-08 W	Wall	32.16789812	-103.311996
GS-09	Base	32.16757429	-103.3120186
GS-09 E	Wall	32.1676062	-103.3119977
GS-10	Base	32.16727139	-103.3121829
GS-10 E	Wall	32.16724577	-103.3121785
GS-10 W	Wall	32.16732408	-103.3121708
GS-11	Base	32.1670372	-103.3123691
GS-11 E	Wall	32.16709158	-103.3123076
GS-11 W	Wall	32.16694496	-103.3124721
GS-12	Base	32.16681522	-103.3124278
GS-13	Base	32.16670392	-103.3123889
GS-13 W	Wall	32.16668243	-103.3124556
GS-14	Base	32.16661782	-103.3123506
GS-15	Base	32.16652729	-103.3123028
GS-15 E	Wall	32.16654247	-103.3122561
GS-16	Base	32.16648192	-103.3123321
GS-17	Base	32.16648127	-103.3122516
GS-18	Base	32.16644544	-103.3123141
GS-19	Base	32.16644497	-103.3121946
GS-20	Base	32.16640369	-103.3123272
GS-20 W	Wall	32.16639466	-103.3123799
GS-21	Base	32.16640285	-103.3122238
GS-22	Base	32.1664021	-103.3121299
GS-23	Base	32.16635441	-103.312276
GS-24	Base	32.16636037	-103.312207
GS-25	Base	32.1663595	-103.3120998
GS-26	Base	32.16631114	-103.3121545
GS-26 W	Wall	32.16631061	-103.3121985
GS-27	Base	32.16627138	-103.3121564
GS-28	Base	32.16630544	-103.3120852
GS-29	Base	32.1663101	-103.3120263
GS-30	Base	32.16621873	-103.3121495
GS-31	Base	32.16623229	-103.3120814
GS-32	Base	32.16625868	-103.3120133
GS-33	Base	32.16626322	-103.3119393
GS-33 E	Wall	32.16626194	-103.3119011
GS-33.1	Base	32.16628299	-103.3118954
GS-33.1 E	Wall	32.16627511	-103.3118694
GS-34	Base	32.16617073	-103.3120821
GS-35	Base	32.16619327	-103.312014
GS-36	Base	32.166128	-103.3120594

Name	Sample Type	Latitude	Longitude
GS-36 S	Wall	32.16609447	-103.3120658
GS-37	Base	32.16614306	-103.311992
GS-38	Base	32.16605911	-103.311922
GS-39	Base	32.16598308	-103.3118791
GS-40	Base	32.1658815	-103.3117601
GS-40 E	Wall	32.16588854	-103.3117229
GS-41	Base	32.16579769	-103.3116933
GS-42	Base	32.16573351	-103.3116599
GS-42 SW	Wall	32.16569725	-103.3116633
GS-43	Base	32.16562134	-103.311528
GS-44	Base	32.16546893	-103.3113876
GS-44 E	Wall	32.16550755	-103.3113931
GS-45	Base	32.16541764	-103.3113275
GS-46	Base	32.16538375	-103.3112903
GS-47	Base	32.16535223	-103.3112435
GS-47 SW	Wall	32.16531491	-103.3112917
GS-48	Base	32.1653273	-103.3112004
GS-49	Base	32.16530722	-103.3111496
GS-50	Base	32.16533292	-103.3110847
GS-51	Base	32.16525367	-103.3111136
GS-52	Base	32.1652957	-103.3110418
GS-53	Base	32.16521973	-103.3110706
GS-54	Base	32.16525765	-103.3109979
GS-55	Base	32.16527682	-103.310936
GS-55 N	Wall	32.16530858	-103.310923
GS-56	Base	32.16525873	-103.3108264
GS-57	Base	32.16523701	-103.310744
GS-58	Base	32.16518623	-103.3106804
GS-58 S	Wall	32.16513985	-103.310643
GS-59	Base	32.1650508	-103.3109684
GS-59 S	Wall	32.16494192	-103.3107935
Source	Source	32.16889176	-103.3119097

# Appendix A

## NMOCD Communications



Ameredev II, LLC

## Andrew Parker

---

**From:** OCDOnline@state.nm.us  
**Sent:** Tuesday, July 12, 2022 4:18 PM  
**To:** Andrew Parker  
**Subject:** [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 121452

**Caution:** External (ocdonline@state.nm.us)

Spam Content [Details](#)

[Report This Email](#) [FAQ](#) [Protection by INKY](#)

To whom it may concern (c/o Andrew Parker for ADVANCE ENERGY PARTNERS HAT MESA, LLC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2209827356, for the following reasons:

- **Remediation Plan Denied. Delineation data and laboratory data missing from plan (19.15.29.12.C.(1) NMAC. Cannot approve variance for a reduction in number of confirmation soil samples without delineation data. Please resubmit revised Remediation Plan by August 12, 2022.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 121452. Please review and make the required correction(s) prior to resubmitting.

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

Thank you,  
Jennifer Nobui  
Environmental Specialist-Advanced  
505-470-3407  
Jennifer.Nobui@state.nm.us

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

# Appendix B

## OSE Logs



Ameredev II, LLC

IMPORTANT — READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM.

586646

# Declaration of Owner of Underground Water Right

*W.D. Dinwiddie*

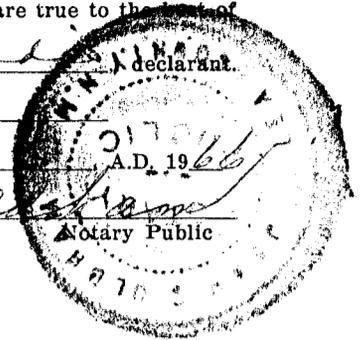
Declaration No. CP-180 Book CP-1 Date received January 4, 1966

I, W.D. Dinwiddie being first duly sworn upon my oath, depose and say that the following is a full and complete statement prepared in accordance with the instructions on the reverse side of this form and submitted in evidence of ownership of a valid underground water right, that I have carefully read each and all of the items contained therein and that the same are true to the best of my knowledge and belief.

*W.D. Dinwiddie* declarant

Subscribed and sworn to before me this 3rd day of Jan  
My commission expires FEBRUARY 25, 1967

*James P. O'Connell*



### STATEMENT

- Name of water right owner W.D.#.Dinwiddie  
of Box 302-----Jal, New Mexico  
County of Lea, State of New Mexico
- Source of water supply Shallow Water  
(state whether artesian or shallow water basin)  
located in Capitan Underground Water Basin  
(name of underground stream, valley, artesian basin, etc.)
- The well is located in the Center NW 1/4 ~~##~~ NE 1/4 SW 1/4  
of section 6, Township 25 So., Range 36 E, N.M.P.M.  
on land owned by \_\_\_\_\_
- Description of well: date drilled 1960 driller Oren Musslewhite depth 605 feet.  
diameter (outside) of casing 6" inches; original flow \_\_\_\_\_ gal. per min.;  
present flow 5 gal. per min.; ~~maximum~~ present pumping lift 350 feet;  
make and type of pump Aeromotor Windmill  
make, type, horsepower, etc., of power plant Windmill

Fractional or percentage interest claimed in well All

- Quantity of water appropriated and beneficially used \_\_\_\_\_ (feet depth or acre feet per acre)  
for Commercial and Livestock
- Acreage actually irrigated and with water right \_\_\_\_\_ acres,  
located and described as follows (describe only lands actually irrigated):

Subdivision	Sec.	Twp.	Range	Acres Irrigated	Owner
Well # 8 center NW 1/4--NE 1/4--SW 1/4	6	25 So.	36 E		W.D.Dinwiddie

(Note: location of well and acreage actually irrigated must be shown on plat on reverse side.)

- Water was first applied to beneficial use 1960 and since that time has been used fully and continuously on all of the above described lands or for the above described purposes except as follows: Drilling and livestock

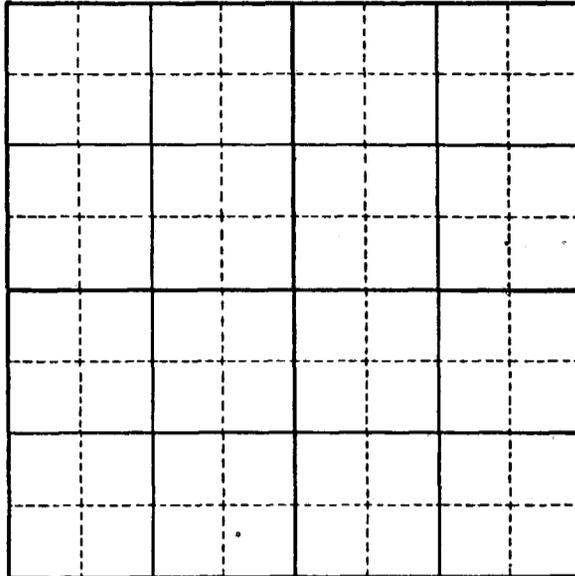
8. Additional statements or explanations \_\_\_\_\_

POD Renumbered  
From: CP-00180  
To: CP-00180-POD1

STATE ENGINEERING OFFICE  
SANTA FE, N.M.  
JAN 15 AM 9:31  
1966

Locate well and areas actually irrigated as accurately as possible on following plat:

Section (s) \_\_\_\_\_, Township \_\_\_\_\_, Range \_\_\_\_\_ N. M. P. M.



**INSTRUCTIONS**

Declaration shall be executed (preferably typewritten) in triplicate and must be accompanied by a \$1.00 filing fee. Each of triplicate copies must be properly signed and attested.

A separate declaration must be filed for each well in use.

All blanks shall be filled out fully. Required information which cannot be sworn to by declarant shall be supplied by affidavit of person or persons familiar with the facts and shall be submitted herewith.

Secs. 1-3. Complete all blanks.

Sec. 4. Fill out all blanks applicable as fully as possible.

Sec. 5. Irrigation use shall be stated in feet depth or acre feet of water per acre applied on the land. If used for domestic, municipal, or other purposes, state total quantity in acre feet used annually.

Sec. 6. Describe only the acreage actually irrigated. When necessary to clearly define irrigated acreages, describe to nearest 2 1/2 acre subdivision. If located on unsurveyed lands, describe by legal subdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily-located natural object.

Sec. 7. Explain and give dates as nearly as possible of any years when all or part of acreage claimed was not irrigated.

Sec. 8. If well irrigates or supplies supplemental water to any other land than that described above, or if land is also irrigated from any other source, explain under this section. Give any other data necessary to fully describe water right.

If additional space is necessary, use a separate sheet or sheets and attach securely hereto.

January 25, 1967

Files: CP-176; CP-177;  
CP-180; CP-181

W. D. Dinwiddie  
Box 302  
Jal, New Mexico

Dear Sir:

Enclosed are your copies of Declarations of Owner of Underground Water Right as numbered above, which have been filed for record in the office of the State Engineer.

Please refer to these numbers in all future correspondence concerning these declarations.

The filing of these declarations does not in any way indicate affirmation of the State Engineer of the statements contained therein.

Yours very truly,

E. C. Barry  
Basin Supervisor

ECB\*ejl  
cc: Santa Fe  
encl.

C  
O  
P  
Y

MEMORANDUM

DATE: January 20, 1967

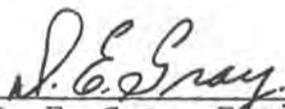
TO: F. H. Hennighausen

FROM: D. E. Gray

SUBJECT: CP-87; CP-176, CP-177, CP-180, CP-181, CP-183;  
L-5943

Enclosed are two copies each of the following Declarations, CP-87; CP-176, CP-177, CP-180, CP-181, CP-183, which have been accepted for filing and are ready for distribution.

Also enclosed are three copies of Declaration of Owner of Underground Water Right, File No. L-5943, which have been accepted for filing and are ready for distribution.

  
D. E. Gray, Engineer  
Water Rights Division

bg

encls.

1967 JAN 23 AM 8:38  
STATE ENGINEER OFFICE  
DISTRICT II  
ROSWELL, N. MEX.

MEMORANDUM OF RECOMMENDATIONS

FILE: CP-180 DATE: January 11, 1967

TO: Frank E. Irby, Chief, Water Rights Division

FROM: Fred H. Hennighausen, Supervisor, District II

SUBJECT: Shallow Declaration No. CP-180.

WELL:	SUBDIVISION	SECTION	TOWNSHIP	RANGE
	Center NW $\frac{1}{2}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$	6	25 S.	36 E.

STATEMENTS: Priority 1960. Well 605 feet in depth, 6 inches in diameter. Present capacity is 5 gpm.

CONSIDERATIONS: Declaration No. CP 180 was filed January 4, 1966, claiming that since 1960 a well in the Center NW $\frac{1}{2}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 6, Township 25 South, Range 36 East, had been used for commercial and livestock purposes. The amount applied to beneficial use was not indicated.

A well operating 100% of the time at 5 gpm would produce approximately 8 acre feet per annum.

In reply to our letter of October 27, 1966 the declarant states that the well is used for livestock watering and that there is no commercial use at the present time.

The declaration states that the well was equipped with an aeromotor windmill.

Field check of October 20, 1965, disclosed that the well was equipped as declared.

RECOMMENDATIONS: It is recommended that the declaration be filed for record.

1967 JAN 16 AM 10:31  
 STATE ENGINEER OFFICE  
 SALT LAKE, U.T.A.

*ECB*  
 ECB\*ojl  
 encl. *ACW*

*Fred H. Hennighausen*  
 Fred H. Hennighausen  
 Supervisor, District II



STATE OF NEW MEXICO  
STATE ENGINEER OFFICE  
ROSWELL

S. E. REYNOLDS  
STATE ENGINEER

October 27, 1966

ADDRESS CORRESPONDENCE TO:  
P. O. BOX 1717  
ROSWELL, NEW MEXICO

File: CP-180

W. D. Dinwiddie  
Box 302  
Jal, New Mexico

Dear Sir:

On January 4, 1966, you filed declaration of owner of underground water right claiming that since 1960 a well in the NW $\frac{1}{2}$ NE $\frac{1}{2}$ SW $\frac{1}{2}$  of Section 6, Township 25 South, Range 36 East had been used for commercial and stock watering purposes.

You failed to indicate, however, the acre feet that was applied to each of the uses and you did not submit computations, meter readings, affidavits or other data showing how you determined that this amount had been applied to beneficial use.

It will be to your advantage to verify the amount declared and will expedite the processing of future applications. Unless the claim is substantiated, your declaration will be processed with the notation that the amount declared has not been verified.

Very truly yours,

E. C. Barry  
Basin Supervisor

ECB\*ojl  
cc: Santa Fe

*No commercial use presently  
Livestock only*

1966 DEC -2 PM 2:49  
STATE ENGINEER OFFICE  
ROSWELL, N.M.  
1967 JAN 16 AM 10:31  
STATE ENGINEER OFFICE  
SANTA FE, N.M.

# Appendix C

## Certificate of Analysis



Ameredev II, LLC



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

August 19, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: PAR 3

Enclosed are the results of analyses for samples received by the laboratory on 08/12/22 16:39.

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

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
--	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GS - 40E 0-2'	H223700-01	Soil	12-Aug-22 08:00	12-Aug-22 16:39
GS - 43 0-2'	H223700-02	Soil	12-Aug-22 08:05	12-Aug-22 16:39
GS - 47 SW 0-2'	H223700-03	Soil	12-Aug-22 08:15	12-Aug-22 16:39
GS - 49 0-2'	H223700-04	Soil	12-Aug-22 08:20	12-Aug-22 16:39
GS - 49 2-4'	H223700-05	Soil	12-Aug-22 08:25	12-Aug-22 16:39
GS - 49 4.5'	H223700-06	Soil	12-Aug-22 08:30	12-Aug-22 16:39
GS - 54 0-2'	H223700-07	Soil	12-Aug-22 08:40	12-Aug-22 16:39
GS - 57 0-2'	H223700-08	Soil	12-Aug-22 08:50	12-Aug-22 16:39
GS - 58 S 0-2'	H223700-09	Soil	12-Aug-22 08:55	12-Aug-22 16:39
GS - 58 S 2-4'	H223700-10	Soil	12-Aug-22 09:05	12-Aug-22 16:39
GS - 58 S 4.5'	H223700-11	Soil	12-Aug-22 09:30	12-Aug-22 16:39
GS - 59 0-2'	H223700-12	Soil	12-Aug-22 09:40	12-Aug-22 16:39
GS - 59 2-4'	H223700-13	Soil	12-Aug-22 09:50	12-Aug-22 16:39
GS - 59 4.5'	H223700-14	Soil	12-Aug-22 10:00	12-Aug-22 16:39
GS - 59 5.5'	H223700-15	Soil	12-Aug-22 10:15	12-Aug-22 16:39
GS - 59 6.5'	H223700-16	Soil	12-Aug-22 10:30	12-Aug-22 16:39
GS - 59 7.5'	H223700-17	Soil	12-Aug-22 10:35	12-Aug-22 16:39
GS - 59 S 0-2'	H223700-18	Soil	12-Aug-22 10:40	12-Aug-22 16:39

08/19/22 - Client changed the sample ID of -03 (see COC). This is the revised report and will replace the one sent on 08/18/22.

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
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**GS - 40E 0-2'**  
**H223700-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	2081701	GM	17-Aug-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2081528	JH	16-Aug-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %		69.9-140	2081528	JH	16-Aug-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	

Surrogate: 1-Chlorooctane			83.7 %		43-149	2081516	MS	16-Aug-22	8015B	
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Surrogate: 1-Chlorooctadecane			99.0 %		42.5-161	2081516	MS	16-Aug-22	8015B	
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
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**GS - 43 0-2'**  
**H223700-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>80.0</b>		16.0	mg/kg	4	2081701	GM	17-Aug-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2081528	JH	16-Aug-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	69.9-140		2081528	JH	16-Aug-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			81.1 %	43-149		2081516	MS	16-Aug-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			96.4 %	42.5-161		2081516	MS	16-Aug-22	8015B	
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
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**GS - 47 SW 0-2'  
H223700-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	2081701	GM	17-Aug-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2081528	JH	16-Aug-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	69.9-140		2081528	JH	16-Aug-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	

Surrogate: 1-Chlorooctane			90.1 %	43-149		2081516	MS	16-Aug-22	8015B	
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Surrogate: 1-Chlorooctadecane			106 %	42.5-161		2081516	MS	16-Aug-22	8015B	
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
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**GS - 49 0-2'**  
**H223700-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>608</b>		16.0	mg/kg	4	2081701	GM	17-Aug-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2081528	JH	16-Aug-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	69.9-140		2081528	JH	16-Aug-22	8021B	
--	--	--	-------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			70.7 %	43-149		2081516	MS	16-Aug-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			82.0 %	42.5-161		2081516	MS	16-Aug-22	8015B	
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
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**GS - 49 2-4'**  
**H223700-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>1600</b>		16.0	mg/kg	4	2081701	GM	17-Aug-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2081528	JH	16-Aug-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %		69.9-140	2081528	JH	16-Aug-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			75.6 %		43-149	2081516	MS	16-Aug-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.3 %		42.5-161	2081516	MS	16-Aug-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
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**GS - 49 4.5'**  
**H223700-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>80.0</b>		16.0	mg/kg	4	2081701	GM	17-Aug-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2081528	JH	16-Aug-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	69.9-140		2081528	JH	16-Aug-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			77.1 %	43-149		2081516	MS	16-Aug-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			90.2 %	42.5-161		2081516	MS	16-Aug-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
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**GS - 54 0-2'**  
**H223700-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	2081701	GM	17-Aug-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2081528	JH	18-Aug-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2081528	JH	18-Aug-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2081528	JH	18-Aug-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2081528	JH	18-Aug-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2081528	JH	18-Aug-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	69.9-140		2081528	JH	18-Aug-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			78.1 %	43-149		2081516	MS	16-Aug-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.0 %	42.5-161		2081516	MS	16-Aug-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
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**GS - 57 0-2'**  
**H223700-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	2081701	GM	17-Aug-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2081528	JH	16-Aug-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			111 %		69.9-140	2081528	JH	16-Aug-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.2 %		43-149	2081516	MS	16-Aug-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			102 %		42.5-161	2081516	MS	16-Aug-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
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**GS - 58 S 0-2'**  
**H223700-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>224</b>		16.0	mg/kg	4	2081701	GM	17-Aug-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2081528	JH	18-Aug-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2081528	JH	18-Aug-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2081528	JH	18-Aug-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2081528	JH	18-Aug-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2081528	JH	18-Aug-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	69.9-140		2081528	JH	18-Aug-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			79.4 %	43-149		2081516	MS	16-Aug-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			94.7 %	42.5-161		2081516	MS	16-Aug-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
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**GS - 58 S 2-4'**  
**H223700-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>128</b>		16.0	mg/kg	4	2081701	GM	17-Aug-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2081528	JH	16-Aug-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %		69.9-140	2081528	JH	16-Aug-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			79.9 %		43-149	2081516	MS	16-Aug-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			91.7 %		42.5-161	2081516	MS	16-Aug-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
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**GS - 58 S 4.5'**  
**H223700-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>80.0</b>		16.0	mg/kg	4	2081701	GM	17-Aug-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2081528	JH	16-Aug-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			111 %	69.9-140		2081528	JH	16-Aug-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2081516	MS	16-Aug-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			82.8 %	43-149		2081516	MS	16-Aug-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			96.1 %	42.5-161		2081516	MS	16-Aug-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
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**GS - 59 0-2'**  
**H223700-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>96.0</b>		16.0	mg/kg	4	2081702	GM	17-Aug-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2081528	JH	16-Aug-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	69.9-140		2081528	JH	16-Aug-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2081517	MS	16-Aug-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2081517	MS	16-Aug-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2081517	MS	16-Aug-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			71.4 %	43-149		2081517	MS	16-Aug-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			71.8 %	42.5-161		2081517	MS	16-Aug-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
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**GS - 59 2-4'**  
**H223700-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>320</b>		16.0	mg/kg	4	2081702	GM	17-Aug-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2081528	JH	16-Aug-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2081528	JH	16-Aug-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %		69.9-140	2081528	JH	16-Aug-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2081517	MS	16-Aug-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2081517	MS	16-Aug-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2081517	MS	16-Aug-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.3 %		43-149	2081517	MS	16-Aug-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			87.2 %		42.5-161	2081517	MS	16-Aug-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
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**GS - 59 4.5'**  
**H223700-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>416</b>		16.0	mg/kg	4	2081702	GM	17-Aug-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2081617	JH/	16-Aug-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2081617	JH/	16-Aug-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2081617	JH/	16-Aug-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2081617	JH/	16-Aug-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2081617	JH/	16-Aug-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	69.9-140		2081617	JH/	16-Aug-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2081517	MS	16-Aug-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2081517	MS	16-Aug-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2081517	MS	16-Aug-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			79.2 %	43-149		2081517	MS	16-Aug-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			79.8 %	42.5-161		2081517	MS	16-Aug-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
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**GS - 59 5.5'**  
**H223700-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>400</b>		16.0	mg/kg	4	2081702	GM	17-Aug-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2081617	JH/	16-Aug-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2081617	JH/	16-Aug-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2081617	JH/	16-Aug-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2081617	JH/	16-Aug-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2081617	JH/	16-Aug-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %		69.9-140	2081617	JH/	16-Aug-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2081517	MS	16-Aug-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2081517	MS	16-Aug-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2081517	MS	16-Aug-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			83.1 %		43-149	2081517	MS	16-Aug-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			82.9 %		42.5-161	2081517	MS	16-Aug-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
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**GS - 59 6.5'**  
**H223700-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>128</b>		16.0	mg/kg	4	2081702	GM	17-Aug-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2081617	JH/	16-Aug-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2081617	JH/	16-Aug-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2081617	JH/	16-Aug-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2081617	JH/	16-Aug-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2081617	JH/	16-Aug-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %		69.9-140	2081617	JH/	16-Aug-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2081523	MS	16-Aug-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2081523	MS	16-Aug-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2081523	MS	16-Aug-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.0 %		43-149	2081523	MS	16-Aug-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			115 %		42.5-161	2081523	MS	16-Aug-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
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**GS - 59 7.5'**  
**H223700-17 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>224</b>		16.0	mg/kg	4	2081702	GM	17-Aug-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2081617	JH/	16-Aug-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2081617	JH/	16-Aug-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2081617	JH/	16-Aug-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2081617	JH/	16-Aug-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2081617	JH/	16-Aug-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	69.9-140		2081617	JH/	16-Aug-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2081523	MS	16-Aug-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2081523	MS	16-Aug-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2081523	MS	16-Aug-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			102 %	43-149		2081523	MS	16-Aug-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			119 %	42.5-161		2081523	MS	16-Aug-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
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**GS - 59 S 0-2'**  
**H223700-18 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>80.0</b>		16.0	mg/kg	4	2081702	GM	17-Aug-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2081617	JH/	16-Aug-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2081617	JH/	16-Aug-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2081617	JH/	16-Aug-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2081617	JH/	16-Aug-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2081617	JH/	16-Aug-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	69.9-140		2081617	JH/	16-Aug-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2081523	MS	16-Aug-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2081523	MS	16-Aug-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2081523	MS	16-Aug-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.9 %	43-149		2081523	MS	16-Aug-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			108 %	42.5-161		2081523	MS	16-Aug-22	8015B	
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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 2081701 - 1:4 DI Water</b>										
<b>Blank (2081701-BLK1)</b> Prepared & Analyzed: 17-Aug-22										
Chloride	ND	16.0	mg/kg							
<b>LCS (2081701-BS1)</b> Prepared & Analyzed: 17-Aug-22										
Chloride	432	16.0	mg/kg	400		108	80-120			
<b>LCS Dup (2081701-BSD1)</b> Prepared & Analyzed: 17-Aug-22										
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
<b>Batch 2081702 - 1:4 DI Water</b>										
<b>Blank (2081702-BLK1)</b> Prepared & Analyzed: 17-Aug-22										
Chloride	ND	16.0	mg/kg							
<b>LCS (2081702-BS1)</b> Prepared & Analyzed: 17-Aug-22										
Chloride	416	16.0	mg/kg	400		104	80-120			
<b>LCS Dup (2081702-BSD1)</b> Prepared & Analyzed: 17-Aug-22										
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
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**Volatile Organic Compounds by EPA Method 8021 - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2081528 - Volatiles**

**Blank (2081528-BLK1)**

Prepared: 15-Aug-22 Analyzed: 16-Aug-22

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0525		mg/kg	0.0500		105	69.9-140			

**LCS (2081528-BS1)**

Prepared: 15-Aug-22 Analyzed: 16-Aug-22

Benzene	1.93	0.050	mg/kg	2.00		96.4	83.4-122			
Toluene	2.09	0.050	mg/kg	2.00		105	84.2-126			
Ethylbenzene	1.94	0.050	mg/kg	2.00		97.0	84.2-121			
m,p-Xylene	4.03	0.100	mg/kg	4.00		101	89.9-126			
o-Xylene	2.00	0.050	mg/kg	2.00		100	84.3-123			
Total Xylenes	6.03	0.150	mg/kg	6.00		100	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0513		mg/kg	0.0500		103	69.9-140			

**LCS Dup (2081528-BSD1)**

Prepared: 15-Aug-22 Analyzed: 16-Aug-22

Benzene	1.80	0.050	mg/kg	2.00		89.8	83.4-122	7.14	12.6	
Toluene	1.87	0.050	mg/kg	2.00		93.4	84.2-126	11.3	13.3	
Ethylbenzene	1.81	0.050	mg/kg	2.00		90.3	84.2-121	7.11	13.9	
m,p-Xylene	3.72	0.100	mg/kg	4.00		92.9	89.9-126	8.02	13.6	
o-Xylene	1.83	0.050	mg/kg	2.00		91.5	84.3-123	8.91	14.1	
Total Xylenes	5.55	0.150	mg/kg	6.00		92.4	89.1-124	8.32	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0517		mg/kg	0.0500		103	69.9-140			

**Batch 2081617 - Volatiles**

**Blank (2081617-BLK1)**

Prepared & Analyzed: 16-Aug-22

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
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**Volatile Organic Compounds by EPA Method 8021 - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2081617 - Volatiles**

**Blank (2081617-BLK1)**

Prepared & Analyzed: 16-Aug-22

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0502		mg/kg	0.0500		100	69.9-140			

**LCS (2081617-BS1)**

Prepared & Analyzed: 16-Aug-22

Benzene	2.03	0.050	mg/kg	2.00		102	83.4-122			
Toluene	2.03	0.050	mg/kg	2.00		101	84.2-126			
Ethylbenzene	1.97	0.050	mg/kg	2.00		98.5	84.2-121			
m,p-Xylene	4.11	0.100	mg/kg	4.00		103	89.9-126			
o-Xylene	1.99	0.050	mg/kg	2.00		99.6	84.3-123			
Total Xylenes	6.10	0.150	mg/kg	6.00		102	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0504		mg/kg	0.0500		101	69.9-140			

**LCS Dup (2081617-BSD1)**

Prepared & Analyzed: 16-Aug-22

Benzene	1.86	0.050	mg/kg	2.00		93.2	83.4-122	8.62	12.6	
Toluene	1.87	0.050	mg/kg	2.00		93.3	84.2-126	8.37	13.3	
Ethylbenzene	1.81	0.050	mg/kg	2.00		90.3	84.2-121	8.64	13.9	
m,p-Xylene	3.79	0.100	mg/kg	4.00		94.9	89.9-126	7.91	13.6	
o-Xylene	1.86	0.050	mg/kg	2.00		92.9	84.3-123	6.94	14.1	
Total Xylenes	5.65	0.150	mg/kg	6.00		94.2	89.1-124	7.59	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0507		mg/kg	0.0500		101	69.9-140			

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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
--	--	------------------------------

**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2081516 - General Prep - Organics**

<b>Blank (2081516-BLK1)</b>		Prepared: 15-Aug-22 Analyzed: 16-Aug-22								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	42.7		mg/kg	50.0		85.5	43-149			
Surrogate: 1-Chlorooctadecane	50.9		mg/kg	50.0		102	42.5-161			

<b>LCS (2081516-BS1)</b>		Prepared: 15-Aug-22 Analyzed: 16-Aug-22								
GRO C6-C10	219	10.0	mg/kg	200		110	78.5-128			
DRO >C10-C28	200	10.0	mg/kg	200		100	75.8-135			
Total TPH C6-C28	419	10.0	mg/kg	400		105	81.5-127			
Surrogate: 1-Chlorooctane	48.0		mg/kg	50.0		96.0	43-149			
Surrogate: 1-Chlorooctadecane	58.0		mg/kg	50.0		116	42.5-161			

<b>LCS Dup (2081516-BSD1)</b>		Prepared: 15-Aug-22 Analyzed: 16-Aug-22								
GRO C6-C10	201	10.0	mg/kg	200		101	78.5-128	8.65	21.4	
DRO >C10-C28	180	10.0	mg/kg	200		90.1	75.8-135	10.4	17.9	
Total TPH C6-C28	381	10.0	mg/kg	400		95.3	81.5-127	9.49	17.6	
Surrogate: 1-Chlorooctane	48.3		mg/kg	50.0		96.6	43-149			
Surrogate: 1-Chlorooctadecane	57.5		mg/kg	50.0		115	42.5-161			

**Batch 2081517 - General Prep - Organics**

<b>Blank (2081517-BLK1)</b>		Prepared: 15-Aug-22 Analyzed: 16-Aug-22								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	40.2		mg/kg	50.0		80.3	43-149			
Surrogate: 1-Chlorooctadecane	40.3		mg/kg	50.0		80.6	42.5-161			

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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
--	--	------------------------------

**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2081517 - General Prep - Organics**

LCS (2081517-BS1)		Prepared: 15-Aug-22 Analyzed: 16-Aug-22								
GRO C6-C10	194	10.0	mg/kg	200		96.9	78.5-128			
DRO >C10-C28	188	10.0	mg/kg	200		94.0	75.8-135			
Total TPH C6-C28	382	10.0	mg/kg	400		95.5	81.5-127			
Surrogate: 1-Chlorooctane	43.8		mg/kg	50.0		87.7	43-149			
Surrogate: 1-Chlorooctadecane	46.4		mg/kg	50.0		92.7	42.5-161			

LCS Dup (2081517-BSD1)		Prepared: 15-Aug-22 Analyzed: 16-Aug-22								
GRO C6-C10	173	10.0	mg/kg	200		86.4	78.5-128	11.5	21.4	
DRO >C10-C28	170	10.0	mg/kg	200		85.0	75.8-135	10.0	17.9	
Total TPH C6-C28	343	10.0	mg/kg	400		85.7	81.5-127	10.8	17.6	
Surrogate: 1-Chlorooctane	43.7		mg/kg	50.0		87.3	43-149			
Surrogate: 1-Chlorooctadecane	46.9		mg/kg	50.0		93.8	42.5-161			

**Batch 2081523 - General Prep - Organics**

Blank (2081523-BLK1)		Prepared & Analyzed: 16-Aug-22								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	47.5		mg/kg	50.0		95.1	43-149			
Surrogate: 1-Chlorooctadecane	56.1		mg/kg	50.0		112	42.5-161			

LCS (2081523-BS1)		Prepared & Analyzed: 16-Aug-22								
GRO C6-C10	200	10.0	mg/kg	200		100	78.5-128			
DRO >C10-C28	225	10.0	mg/kg	200		112	75.8-135			
Total TPH C6-C28	425	10.0	mg/kg	400		106	81.5-127			
Surrogate: 1-Chlorooctane	52.5		mg/kg	50.0		105	43-149			
Surrogate: 1-Chlorooctadecane	64.9		mg/kg	50.0		130	42.5-161			

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**Analytical Results For:**

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746	Project: PAR 3 Project Number: 20200402 - 2300 - WATER Project Manager: ANDREW PARKER Fax To:	Reported: 19-Aug-22 16:40
--	--	------------------------------

**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2081523 - General Prep - Organics**

**LCS Dup (2081523-BSD1)**

Prepared & Analyzed: 16-Aug-22

GRO C6-C10	181	10.0	mg/kg	200		90.5	78.5-128	10.2	21.4	
DRO >C10-C28	204	10.0	mg/kg	200		102	75.8-135	9.95	17.9	
Total TPH C6-C28	385	10.0	mg/kg	400		96.1	81.5-127	10.1	17.6	
Surrogate: 1-Chlorooctane	53.3		mg/kg	50.0		107	43-149			
Surrogate: 1-Chlorooctadecane	65.2		mg/kg	50.0		130	42.5-161			

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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Amerdev  
 Project Manager: Andrew Parker  
 Address: On-File State:            Zip:             
 City:            State:            Zip:             
 Phone #:            Fax #:             
 Project #:            Project Owner:             
 Project Name: 20200402-2300-Water City: amerdev.com  
 Project Location: Par 3 State:            Zip:             
 Phone #:             
 Sampler Name: Jacob Saenz Fax #:           

P.O. #:	<u>20200402-2300-Water</u>
Company:	<u>AEP</u>
Attn:	<u>Send to</u>
Address:	<u>aparker@</u>
City:	<u>amerdev.com</u>
State:	<u>          </u>
Zip:	<u>          </u>
Phone #:	<u>          </u>
Fax #:	<u>          </u>

Lab I.D.	Sample I.D.	Date	Time	MATRIX							DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE, BTEX
				(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE					
<u>1833700</u>	<u>GS-40E</u>	<u>0-2FT</u>	<u>8/19/22</u>	<u>8:05am</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
	<u>GS-43</u>	<u>0-2FT</u>		<u>8:15am</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
	<u>GS-47 SW</u>	<u>0-2FT</u>		<u>8:20am</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
	<u>GS-49</u>	<u>0-2FT</u>		<u>8:25am</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
	<u>GS-49</u>	<u>0-4FT</u>		<u>8:30am</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
	<u>GS-54</u>	<u>0-2FT</u>		<u>8:41am</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
	<u>GS-57</u>	<u>0-2FT</u>		<u>8:50am</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
	<u>GS-58S</u>	<u>0-2FT</u>		<u>9:05am</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
	<u>GS-58S</u>	<u>0-4FT</u>		<u>9:05am</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>

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Relinquished By: SAED SAENZ  
 Date: 11/23/22  
 Time: 10:39  
 Received By: Starkman  
 Date:             
 Time:           

Delivered By: (Circle One) 24°C 0-0.0°C  
 Sample Condition: Intact  
 Yes  No   
 Sample - UPS - Bus - Other: 1.8°C #113  
 Yes  No   
 CHECKED BY: SAE (Initials)

Phone Result:  Yes  No  
 Add'l Phone #:             
 Fax Result:  Yes  No  
 Add'l Fax #:           

REMARKS:           

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

**BILL TO**

**ANALYSIS REQUEST**

Company Name: AmereDev  
 Project Manager: Andrew Parker  
 Address: On-File State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Location: Par 3 State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Sampler Name: Jacob Sacruz Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

P.O. #: 20200402-2300-wr  
 Company: AEP  
 Attn: Send to  
 Address: aparker@  
 City: amereDev.com  
 State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE, BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:					
<u>11</u>	<u>GS-585</u>	<u>4.5FT</u>	<u>6</u>			<u>X</u>				<u>8/19/22</u>	<u>9:40a</u>	<u>X</u>	<u>X</u>	<u>0</u>
<u>12</u>	<u>GS-59</u>	<u>0-2FT</u>									<u>9:50a</u>	<u>X</u>	<u>X</u>	<u>0</u>
<u>13</u>	<u>GS-59</u>	<u>2-4FT</u>									<u>10a</u>	<u>X</u>	<u>X</u>	<u>0</u>
<u>14</u>	<u>GS-59</u>	<u>4.5FT</u>									<u>10:15a</u>	<u>X</u>	<u>X</u>	<u>0</u>
<u>15</u>	<u>GS-59</u>	<u>5.5FT</u>									<u>10:30a</u>	<u>X</u>	<u>X</u>	<u>0</u>
<u>16</u>	<u>GS-59</u>	<u>6.5FT</u>									<u>10:30a</u>	<u>X</u>	<u>X</u>	<u>0</u>
<u>17</u>	<u>GS-59</u>	<u>7.5FT</u>									<u>10:30a</u>	<u>X</u>	<u>X</u>	<u>0</u>
<u>18</u>	<u>GS-595</u>	<u>0-2FT</u>									<u>10:40a</u>	<u>X</u>	<u>X</u>	<u>0</u>

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Relinquished By: 3 ACOB SHENZ Date: 8/19/22 Received By: Shookingwey  
 Time: 10:59 Date: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_  
 Time: \_\_\_\_\_ Date: \_\_\_\_\_

Delivered By: (Circle One) 2.42 COU Sample Condition:  Cool  Intact  
 Sampler - UPS - Bus - Other: 18c #113  Yes  No

CHECKED BY: \_\_\_\_\_ (initials)  
 REMARKS: P.2

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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August 18, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: PAR 3

Enclosed are the results of analyses for samples received by the laboratory on 08/15/22 16:55.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 15 0-2' (H223726-01)**

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	08/17/2022	ND	2.00	100	2.00	11.4	
Toluene*	<0.050	0.050	08/17/2022	ND	2.06	103	2.00	8.04	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.02	101	2.00	6.61	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.31	105	6.00	8.36	
Total BTEX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/17/2022	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	08/16/2022	ND	208	104	200	9.42	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	216	108	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 97.8 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 15 2-4' (H223726-02)**

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	08/17/2022	ND	2.00	100	2.00	11.4		
Toluene*	<0.050	0.050	08/17/2022	ND	2.06	103	2.00	8.04		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.02	101	2.00	6.61		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.31	105	6.00	8.36		
Total BTEX	<0.300	0.300	08/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	08/17/2022	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	08/16/2022	ND	208	104	200	9.42		
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	216	108	200	5.66		
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND						

Surrogate: 1-Chlorooctane 95.5 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 15 4.5' (H223726-03)**

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	08/17/2022	ND	2.00	100	2.00	11.4	
Toluene*	<0.050	0.050	08/17/2022	ND	2.06	103	2.00	8.04	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.02	101	2.00	6.61	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.31	105	6.00	8.36	
Total BTEX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1360</b>	16.0	08/17/2022	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	08/16/2022	ND	208	104	200	9.42	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	216	108	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 88.4 % 43-149

Surrogate: 1-Chlorooctadecane 93.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 15 5.5' (H223726-04)**

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	08/17/2022	ND	2.00	100	2.00	11.4	
Toluene*	<0.050	0.050	08/17/2022	ND	2.06	103	2.00	8.04	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.02	101	2.00	6.61	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.31	105	6.00	8.36	
Total BTEX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2290	16.0	08/17/2022	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	08/16/2022	ND	208	104	200	9.42	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	216	108	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 93.5 % 43-149

Surrogate: 1-Chlorooctadecane 99.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 15 6.5' (H223726-05)**

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	08/17/2022	ND	2.00	100	2.00	11.4	
Toluene*	<0.050	0.050	08/17/2022	ND	2.06	103	2.00	8.04	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.02	101	2.00	6.61	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.31	105	6.00	8.36	
Total BTEX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	08/17/2022	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	08/16/2022	ND	211	105	200	13.4	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	204	102	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 70.2 % 43-149

Surrogate: 1-Chlorooctadecane 69.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 15 E 0-2' (H223726-06)**

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	08/17/2022	ND	2.00	100	2.00	11.4		
Toluene*	<0.050	0.050	08/17/2022	ND	2.06	103	2.00	8.04		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.02	101	2.00	6.61		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.31	105	6.00	8.36		
Total BTEX	<0.300	0.300	08/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>64.0</b>	16.0	08/17/2022	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	08/16/2022	ND	211	105	200	13.4		
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	204	102	200	10.4		
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND						

Surrogate: 1-Chlorooctane 89.6 % 43-149

Surrogate: 1-Chlorooctadecane 90.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 20 W 0-2' (H223726-07)**

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	08/17/2022	ND	2.05	102	2.00	4.85		
Toluene*	<0.050	0.050	08/17/2022	ND	2.15	107	2.00	7.95		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.09	105	2.00	7.79		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.54	109	6.00	7.71		
Total BTEX	<0.300	0.300	08/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/17/2022	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	08/16/2022	ND	211	105	200	13.4		
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	204	102	200	10.4		
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND						

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 24 0-2' (H223726-08)**

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	08/17/2022	ND	2.05	102	2.00	4.85		
Toluene*	<0.050	0.050	08/17/2022	ND	2.15	107	2.00	7.95		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.09	105	2.00	7.79		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.54	109	6.00	7.71		
Total BTEX	<0.300	0.300	08/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/17/2022	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	08/16/2022	ND	211	105	200	13.4		
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	204	102	200	10.4		
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND						

Surrogate: 1-Chlorooctane 87.5 % 43-149

Surrogate: 1-Chlorooctadecane 87.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 24 2-4' (H223726-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	2.05	102	2.00	4.85	
Toluene*	<0.050	0.050	08/17/2022	ND	2.15	107	2.00	7.95	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.09	105	2.00	7.79	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.54	109	6.00	7.71	
Total BTEX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1570	16.0	08/17/2022	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	08/16/2022	ND	211	105	200	13.4	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	204	102	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 87.3 % 43-149

Surrogate: 1-Chlorooctadecane 89.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 24 4.5' (H223726-10)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	2.05	102	2.00	4.85	
Toluene*	<0.050	0.050	08/17/2022	ND	2.15	107	2.00	7.95	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.09	105	2.00	7.79	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.54	109	6.00	7.71	
Total BTEX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	08/17/2022	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	08/16/2022	ND	211	105	200	13.4	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	204	102	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 104 % 43-149

Surrogate: 1-Chlorooctadecane 107 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 24 5.5' (H223726-11)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2022	ND	2.05	102	2.00	4.85		
Toluene*	<0.050	0.050	08/17/2022	ND	2.15	107	2.00	7.95		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.09	105	2.00	7.79		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.54	109	6.00	7.71		
Total BTEX	<0.300	0.300	08/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1680	16.0	08/17/2022	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	08/16/2022	ND	211	105	200	13.4		
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	204	102	200	10.4		
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND						

Surrogate: 1-Chlorooctane 100 % 43-149

Surrogate: 1-Chlorooctadecane 100 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 24 6.5' (H223726-12)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	2.05	102	2.00	4.85	
Toluene*	<0.050	0.050	08/17/2022	ND	2.15	107	2.00	7.95	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.09	105	2.00	7.79	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.54	109	6.00	7.71	
Total BTEX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>816</b>	16.0	08/17/2022	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	08/16/2022	ND	211	105	200	13.4	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	204	102	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 31 0-2' (H223726-13)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	2.05	102	2.00	4.85	
Toluene*	<0.050	0.050	08/17/2022	ND	2.15	107	2.00	7.95	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.09	105	2.00	7.79	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.54	109	6.00	7.71	
Total BTEX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	08/17/2022	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	08/16/2022	ND	211	105	200	13.4	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	204	102	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 31 2-4' (H223726-14)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2022	ND	2.05	102	2.00	4.85		
Toluene*	<0.050	0.050	08/17/2022	ND	2.15	107	2.00	7.95		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.09	105	2.00	7.79		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.54	109	6.00	7.71		
Total BTEX	<0.300	0.300	08/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1260	16.0	08/17/2022	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	08/16/2022	ND	211	105	200	13.4		
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	204	102	200	10.4		
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND						

Surrogate: 1-Chlorooctane 130 % 43-149

Surrogate: 1-Chlorooctadecane 138 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 31 4.5' (H223726-15)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	2.05	102	2.00	4.85	
Toluene*	<0.050	0.050	08/17/2022	ND	2.15	107	2.00	7.95	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.09	105	2.00	7.79	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.54	109	6.00	7.71	
Total BTEX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1820	16.0	08/17/2022	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	08/16/2022	ND	211	105	200	13.4	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	204	102	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 95.9 % 43-149

Surrogate: 1-Chlorooctadecane 97.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 31 5.5' (H223726-16)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2022	ND	2.05	102	2.00	4.85		
Toluene*	<0.050	0.050	08/17/2022	ND	2.15	107	2.00	7.95		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.09	105	2.00	7.79		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.54	109	6.00	7.71		
Total BTEX	<0.300	0.300	08/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	08/17/2022	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	08/16/2022	ND	211	105	200	13.4		
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	204	102	200	10.4		
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND						

Surrogate: 1-Chlorooctane 102 % 43-149

Surrogate: 1-Chlorooctadecane 104 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 31 6.5' A (H223726-17)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2022	ND	2.05	102	2.00	4.85		
Toluene*	<0.050	0.050	08/17/2022	ND	2.15	107	2.00	7.95		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.09	105	2.00	7.79		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.54	109	6.00	7.71		
Total BTEX	<0.300	0.300	08/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/17/2022	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	08/16/2022	ND	211	105	200	13.4		
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	204	102	200	10.4		
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND						

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 31 6.5' B (H223726-18)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	2.05	102	2.00	4.85	
Toluene*	<0.050	0.050	08/17/2022	ND	2.15	107	2.00	7.95	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.09	105	2.00	7.79	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.54	109	6.00	7.71	
Total BTEX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/17/2022	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	08/16/2022	ND	211	105	200	13.4	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	204	102	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 91.1 % 43-149

Surrogate: 1-Chlorooctadecane 90.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 33 E 0-2' (H223726-19)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	2.05	102	2.00	4.85	
Toluene*	<0.050	0.050	08/17/2022	ND	2.15	107	2.00	7.95	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.09	105	2.00	7.79	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.54	109	6.00	7.71	
Total BTEX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	08/17/2022	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	08/16/2022	ND	211	105	200	13.4	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	204	102	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 98.7 % 43-149

Surrogate: 1-Chlorooctadecane 97.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 33 E 2-4' (H223726-20)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	2.05	102	2.00	4.85	
Toluene*	<0.050	0.050	08/17/2022	ND	2.15	107	2.00	7.95	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.09	105	2.00	7.79	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.54	109	6.00	7.71	
Total BTEX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1180</b>	16.0	08/17/2022	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	08/16/2022	ND	211	105	200	13.4	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	204	102	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 112 % 43-149

Surrogate: 1-Chlorooctadecane 114 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 33 E 4.5' (H223726-21)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	2.05	102	2.00	4.85	
Toluene*	<0.050	0.050	08/17/2022	ND	2.15	107	2.00	7.95	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.09	105	2.00	7.79	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.54	109	6.00	7.71	
Total BTEX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/17/2022	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	08/16/2022	ND	211	105	200	13.4	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	204	102	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 111 % 43-149

Surrogate: 1-Chlorooctadecane 112 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 36 S 0-2' (H223726-22)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	2.05	102	2.00	4.85	
Toluene*	<0.050	0.050	08/17/2022	ND	2.15	107	2.00	7.95	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.09	105	2.00	7.79	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.54	109	6.00	7.71	
Total BTEX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/17/2022	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	08/16/2022	ND	211	105	200	13.4	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	204	102	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 90.1 % 43-149

Surrogate: 1-Chlorooctadecane 91.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 39 0-2' (H223726-23)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2022	ND	2.05	102	2.00	4.85		
Toluene*	<0.050	0.050	08/17/2022	ND	2.15	107	2.00	7.95		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.09	105	2.00	7.79		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.54	109	6.00	7.71		
Total BTEX	<0.300	0.300	08/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>48.0</b>	16.0	08/17/2022	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	08/16/2022	ND	211	105	200	13.4		
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	204	102	200	10.4		
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND						

Surrogate: 1-Chlorooctane 91.7 % 43-149

Surrogate: 1-Chlorooctadecane 93.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 39 2-4' (H223726-24)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2022	ND	2.05	102	2.00	4.85		
Toluene*	<0.050	0.050	08/17/2022	ND	2.15	107	2.00	7.95		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.09	105	2.00	7.79		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.54	109	6.00	7.71		
Total BTEX	<0.300	0.300	08/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/17/2022	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	08/16/2022	ND	211	105	200	13.4		
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	204	102	200	10.4		
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND						

Surrogate: 1-Chlorooctane 103 % 43-149

Surrogate: 1-Chlorooctadecane 104 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 39 4.5' (H223726-25)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	2.05	102	2.00	4.85	
Toluene*	<0.050	0.050	08/17/2022	ND	2.15	107	2.00	7.95	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.09	105	2.00	7.79	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.54	109	6.00	7.71	
Total BTEX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	08/17/2022	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	08/16/2022	ND	192	96.0	200	3.69	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	228	114	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 94.7 % 43-149

Surrogate: 1-Chlorooctadecane 110 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 39 5.5' (H223726-26)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	2.05	102	2.00	4.85	
Toluene*	<0.050	0.050	08/17/2022	ND	2.15	107	2.00	7.95	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.09	105	2.00	7.79	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.54	109	6.00	7.71	
Total BTEX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	08/17/2022	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	08/16/2022	ND	192	96.0	200	3.69	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	228	114	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 95.5 % 43-149

Surrogate: 1-Chlorooctadecane 111 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 39 6.5' (H223726-27)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	2.03	102	2.00	5.07	
Toluene*	<0.050	0.050	08/17/2022	ND	2.00	100	2.00	5.07	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.96	98.0	2.00	5.53	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.13	102	6.00	6.35	
Total BTEX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	08/17/2022	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	08/16/2022	ND	192	96.0	200	3.69	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	228	114	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 87.9 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 39 7.5' (H223726-28)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	2.03	102	2.00	5.07	
Toluene*	<0.050	0.050	08/17/2022	ND	2.00	100	2.00	5.07	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.96	98.0	2.00	5.53	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.13	102	6.00	6.35	
Total BTEX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/17/2022	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	08/16/2022	ND	192	96.0	200	3.69	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	228	114	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 93.2 % 43-149

Surrogate: 1-Chlorooctadecane 109 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/15/2022	Sampling Date:	08/15/2022
Reported:	08/18/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 46 0-2' (H223726-29)**

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	08/17/2022	ND	2.03	102	2.00	5.07	
Toluene*	<0.050	0.050	08/17/2022	ND	2.00	100	2.00	5.07	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	1.96	98.0	2.00	5.53	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.13	102	6.00	6.35	
Total BTEX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/17/2022	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	08/16/2022	ND	192	96.0	200	3.69	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	228	114	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 116 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

**BILL TO**

P.O. # 20220402-2300 water

**ANALYSIS REQUEST**

Company Name: *Amerdey*  
 Project Manager: Andrew Parker

Address: On-File State: Zip:

City: State: Zip:

Phone #: Fax #:

Project #: Project Owner:

Project Name: 20220402-2300-water

Project Location: Par 3

Sampler Name: Jacob Saenz

FOR LAB USE ONLY

**Lab I.D. Sample I.D.**

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE, BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
<i>H223726</i>														
1	GS-15									8/15/20	8am			
2	GS-15									8:15m				
3	GS-15									8:30m				
4	GS-15									8:35m				
5	GS-15E									9am				
6	GS-20W									9:15m				
8	GS-24									9:25m				
9	GS-24									9:30m				
10	GS-24									9:40m				

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Relinquished By: *SACAS SOENZ*  
 Date: 8-15-22  
 Time: 16:55  
 Received By: *Jacob Saenz*  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Delivered By: (Circle One) 5.8°C C-0.6°C  
 Sampler - UPS - Bus - Other: 5.2°C #113  
 Sample Condition Cool In tact Yes  No

CHECKED BY: (Initials) *JS*

\* Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

BILL TO

ANALYSIS REQUEST

Company Name: Amerev  
 Project Manager: Andrew Parker  
 Address: On-File State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: 20220402-2300-water City: amerev.com  
 Project Location: Part 3 State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Sampler Name: Jacob Saenz Phone #: \_\_\_\_\_  
 Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE, BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
<u>H223726</u>														
11	G5-24	G	1							11/15/22	9:50am			
12	G5-24	G	1								10:16am			
13	G5-31	G	1								10:30am			
14	G5-31	G	1								10:35am			
15	G5-31	G	1								10:40am			
16	G5-31	G	1								10:45am			
17	G5-31	G	1								10:50am			
18	G5-31	G	1								11:10am			
19	G5-33E	G	1								11:30am			
20	G5-33E	G	1								11:35am			

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Relinquished By: SAENZ Date: 8-15-22 Received By: Jacob Saenz  
 Relinquished By: SAENZ Date: LESS Received By: Jacob Saenz

Delivered By: (Circle One) UPS 5.80 6.00 Sample Condition Yes Yes CHECKED BY: YB  
 Sampler - UPS - Bus - Other: 5.80 6.00 #113 Cool Inlet Yes Yes

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

**BILL TO**

**ANALYSIS REQUEST**

Company Name: AmereDev  
 Project Manager: Andrew Parker  
 Address: On-File  
 City: State: Zip:  
 Phone #: Fax #:  
 Project #: Project Owner:  
 Project Name: 20220402-2300-mrkr  
 Project Location: Par 3  
 Sampler Name: Jacob Saenz  
 P.O. #: 20220402-2300-mrkr  
 Company: AEP  
 Attn: Send to  
 Address: aparker@  
 City: amredev.com  
 State: Zip:  
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE, BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
<u>H23326</u>															
21	GS-33E	G	1			X					8/19/22	11:40am	✓	✓	✓
22	GS-36S	G	1			X					11:50am	12:00pm	✓	✓	✓
23	GS-39	G	1			X					12:15pm	12:30pm	✓	✓	✓
24	GS-39	G	1			X					12:30pm	12:45pm	✓	✓	✓
25	GS-39	G	1			X					12:45pm	1:00pm	✓	✓	✓
26	GS-39	G	1			X					1:00pm	1:15pm	✓	✓	✓
27	GS-39	G	1			X					1:15pm	1:30pm	✓	✓	✓
28	GS-39	G	1			X					1:30pm	1:45pm	✓	✓	✓
29	GS-46	G	1			X					1:45pm	2:00pm	✓	✓	✓

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Relinquished By: SNLOBSAENZ Date: 8-15-22 Received By: AmereDev  
 Relinquished By: Date: 8-15-22 Time: 16:55 Received By: AmereDev  
 Date: Time: Received By:

Delivered By: (Circle One) 5.8e 0-0.6e Sample Condition: Cool  Intact   
 Sampler - UPS - Bus - Other: 5.8e #113  Yes  No

Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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

---

August 19, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: PAR 3

Enclosed are the results of analyses for samples received by the laboratory on 08/16/22 15:50.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/16/2022	Sampling Date:	08/16/2022
Reported:	08/19/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 01 0-1' (H223746-01)**

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	08/18/2022	ND	2.00	100	2.00	1.49	
Toluene*	<0.050	0.050	08/18/2022	ND	1.98	98.9	2.00	1.18	
Ethylbenzene*	<0.050	0.050	08/18/2022	ND	1.92	96.1	2.00	2.55	
Total Xylenes*	<0.150	0.150	08/18/2022	ND	5.96	99.4	6.00	2.85	
Total BTEX	<0.300	0.300	08/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/18/2022	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	08/17/2022	ND	231	115	200	11.5	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	239	119	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 96.2 % 43-149

Surrogate: 1-Chlorooctadecane 100 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/16/2022	Sampling Date:	08/16/2022
Reported:	08/19/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 01W 0-2' (H223746-02)**

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	08/18/2022	ND	2.00	100	2.00	1.49	
Toluene*	<0.050	0.050	08/18/2022	ND	1.98	98.9	2.00	1.18	
Ethylbenzene*	<0.050	0.050	08/18/2022	ND	1.92	96.1	2.00	2.55	
Total Xylenes*	<0.150	0.150	08/18/2022	ND	5.96	99.4	6.00	2.85	
Total BTEX	<0.300	0.300	08/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2022	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	08/17/2022	ND	231	115	200	11.5	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	239	119	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 95.4 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/16/2022	Sampling Date:	08/16/2022
Reported:	08/19/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 02 0-2' (H223746-03)**

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	08/18/2022	ND	2.00	100	2.00	1.49	
Toluene*	<0.050	0.050	08/18/2022	ND	1.98	98.9	2.00	1.18	
Ethylbenzene*	<0.050	0.050	08/18/2022	ND	1.92	96.1	2.00	2.55	
Total Xylenes*	<0.150	0.150	08/18/2022	ND	5.96	99.4	6.00	2.85	
Total BTEX	<0.300	0.300	08/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	08/18/2022	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	08/17/2022	ND	231	115	200	11.5	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	239	119	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 88.0 % 43-149

Surrogate: 1-Chlorooctadecane 91.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/16/2022	Sampling Date:	08/16/2022
Reported:	08/19/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 02N 0-2' (H223746-04)**

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	08/18/2022	ND	2.00	100	2.00	1.49		
Toluene*	<0.050	0.050	08/18/2022	ND	1.98	98.9	2.00	1.18		
Ethylbenzene*	<0.050	0.050	08/18/2022	ND	1.92	96.1	2.00	2.55		
Total Xylenes*	<0.150	0.150	08/18/2022	ND	5.96	99.4	6.00	2.85		
Total BTEX	<0.300	0.300	08/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/18/2022	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	08/17/2022	ND	231	115	200	11.5		
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	239	119	200	14.8		
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND						

Surrogate: 1-Chlorooctane 98.6 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/16/2022	Sampling Date:	08/16/2022
Reported:	08/19/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 03E 0-2' (H223746-05)**

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	08/18/2022	ND	2.00	100	2.00	1.49	
Toluene*	<0.050	0.050	08/18/2022	ND	1.98	98.9	2.00	1.18	
Ethylbenzene*	<0.050	0.050	08/18/2022	ND	1.92	96.1	2.00	2.55	
Total Xylenes*	<0.150	0.150	08/18/2022	ND	5.96	99.4	6.00	2.85	
Total BTEX	<0.300	0.300	08/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	08/18/2022	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	08/17/2022	ND	231	115	200	11.5	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	239	119	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 115 % 43-149

Surrogate: 1-Chlorooctadecane 122 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/16/2022	Sampling Date:	08/16/2022
Reported:	08/19/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 04 0-2' (H223746-06)**

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	08/18/2022	ND	2.00	100	2.00	1.49	
Toluene*	<0.050	0.050	08/18/2022	ND	1.98	98.9	2.00	1.18	
Ethylbenzene*	<0.050	0.050	08/18/2022	ND	1.92	96.1	2.00	2.55	
Total Xylenes*	<0.150	0.150	08/18/2022	ND	5.96	99.4	6.00	2.85	
Total BTEX	<0.300	0.300	08/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/18/2022	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	08/17/2022	ND	231	115	200	11.5	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	239	119	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 99.1 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/16/2022	Sampling Date:	08/16/2022
Reported:	08/19/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 04 2-3' (H223746-07)**

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	08/18/2022	ND	2.00	100	2.00	1.49	
Toluene*	<0.050	0.050	08/18/2022	ND	1.98	98.9	2.00	1.18	
Ethylbenzene*	<0.050	0.050	08/18/2022	ND	1.92	96.1	2.00	2.55	
Total Xylenes*	<0.150	0.150	08/18/2022	ND	5.96	99.4	6.00	2.85	
Total BTEX	<0.300	0.300	08/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/18/2022	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	08/17/2022	ND	231	115	200	11.5	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	239	119	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 91.4 % 43-149

Surrogate: 1-Chlorooctadecane 94.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/16/2022	Sampling Date:	08/16/2022
Reported:	08/19/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 06 0-1' (H223746-08)**

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	08/18/2022	ND	2.00	100	2.00	1.49	
Toluene*	<0.050	0.050	08/18/2022	ND	1.98	98.9	2.00	1.18	
Ethylbenzene*	<0.050	0.050	08/18/2022	ND	1.92	96.1	2.00	2.55	
Total Xylenes*	<0.150	0.150	08/18/2022	ND	5.96	99.4	6.00	2.85	
Total BTEX	<0.300	0.300	08/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/18/2022	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	08/17/2022	ND	231	115	200	11.5	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	239	119	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 92.1 % 43-149

Surrogate: 1-Chlorooctadecane 96.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/16/2022	Sampling Date:	08/16/2022
Reported:	08/19/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 06W 0-2' (H223746-09)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/18/2022	ND	2.00	100	2.00	1.49		
Toluene*	<0.050	0.050	08/18/2022	ND	1.98	98.9	2.00	1.18		
Ethylbenzene*	<0.050	0.050	08/18/2022	ND	1.92	96.1	2.00	2.55		
Total Xylenes*	<0.150	0.150	08/18/2022	ND	5.96	99.4	6.00	2.85		
Total BTEX	<0.300	0.300	08/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/18/2022	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	08/17/2022	ND	231	115	200	11.5		
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	239	119	200	14.8		
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND						

Surrogate: 1-Chlorooctane 91.7 % 43-149

Surrogate: 1-Chlorooctadecane 97.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/16/2022	Sampling Date:	08/16/2022
Reported:	08/19/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 08 0-1.5' (H223746-10)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/18/2022	ND	2.00	100	2.00	1.49		
Toluene*	<0.050	0.050	08/18/2022	ND	1.98	98.9	2.00	1.18		
Ethylbenzene*	<0.050	0.050	08/18/2022	ND	1.92	96.1	2.00	2.55		
Total Xylenes*	<0.150	0.150	08/18/2022	ND	5.96	99.4	6.00	2.85		
Total BTEX	<0.300	0.300	08/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/18/2022	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	08/17/2022	ND	231	115	200	11.5		
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	239	119	200	14.8		
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND						

Surrogate: 1-Chlorooctane 109 % 43-149

Surrogate: 1-Chlorooctadecane 116 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/16/2022	Sampling Date:	08/16/2022
Reported:	08/19/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 10 0-2' (H223746-11)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2022	ND	2.00	100	2.00	1.49	
Toluene*	<0.050	0.050	08/18/2022	ND	1.98	98.9	2.00	1.18	
Ethylbenzene*	<0.050	0.050	08/18/2022	ND	1.92	96.1	2.00	2.55	
Total Xylenes*	<0.150	0.150	08/18/2022	ND	5.96	99.4	6.00	2.85	
Total BTEX	<0.300	0.300	08/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	08/18/2022	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	08/17/2022	ND	231	115	200	11.5	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	239	119	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 94.8 % 43-149

Surrogate: 1-Chlorooctadecane 99.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/16/2022	Sampling Date:	08/16/2022
Reported:	08/19/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 10 2-4' (H223746-12)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2022	ND	2.00	100	2.00	1.49	
Toluene*	<0.050	0.050	08/18/2022	ND	1.98	98.9	2.00	1.18	
Ethylbenzene*	<0.050	0.050	08/18/2022	ND	1.92	96.1	2.00	2.55	
Total Xylenes*	<0.150	0.150	08/18/2022	ND	5.96	99.4	6.00	2.85	
Total BTEX	<0.300	0.300	08/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	08/18/2022	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	08/17/2022	ND	231	115	200	11.5	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	239	119	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 93.8 % 43-149

Surrogate: 1-Chlorooctadecane 98.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/16/2022	Sampling Date:	08/16/2022
Reported:	08/19/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 10 4.5' (H223746-13)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2022	ND	2.00	100	2.00	1.49	
Toluene*	<0.050	0.050	08/18/2022	ND	1.98	98.9	2.00	1.18	
Ethylbenzene*	<0.050	0.050	08/18/2022	ND	1.92	96.1	2.00	2.55	
Total Xylenes*	<0.150	0.150	08/18/2022	ND	5.96	99.4	6.00	2.85	
Total BTEX	<0.300	0.300	08/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/18/2022	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	08/17/2022	ND	231	115	200	11.5	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	239	119	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 87.6 % 43-149

Surrogate: 1-Chlorooctadecane 91.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/16/2022	Sampling Date:	08/16/2022
Reported:	08/19/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 10 5.5' (H223746-14)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2022	ND	2.00	100	2.00	1.49	
Toluene*	<0.050	0.050	08/18/2022	ND	1.98	98.9	2.00	1.18	
Ethylbenzene*	<0.050	0.050	08/18/2022	ND	1.92	96.1	2.00	2.55	
Total Xylenes*	<0.150	0.150	08/18/2022	ND	5.96	99.4	6.00	2.85	
Total BTEX	<0.300	0.300	08/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/18/2022	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	08/17/2022	ND	231	115	200	11.5	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	239	119	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 98.3 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/16/2022	Sampling Date:	08/16/2022
Reported:	08/19/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 10E 0-2' (H223746-15)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2022	ND	2.00	100	2.00	1.49	
Toluene*	<0.050	0.050	08/18/2022	ND	1.98	98.9	2.00	1.18	
Ethylbenzene*	<0.050	0.050	08/18/2022	ND	1.92	96.1	2.00	2.55	
Total Xylenes*	<0.150	0.150	08/18/2022	ND	5.96	99.4	6.00	2.85	
Total BTEX	<0.300	0.300	08/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/18/2022	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	08/17/2022	ND	231	115	200	11.5	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	239	119	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 95.8 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/16/2022	Sampling Date:	08/16/2022
Reported:	08/19/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 12 0-2' (H223746-16)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/18/2022	ND	2.00	100	2.00	1.49		
Toluene*	<0.050	0.050	08/18/2022	ND	1.98	98.9	2.00	1.18		
Ethylbenzene*	<0.050	0.050	08/18/2022	ND	1.92	96.1	2.00	2.55		
Total Xylenes*	<0.150	0.150	08/18/2022	ND	5.96	99.4	6.00	2.85		
Total BTEX	<0.300	0.300	08/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	08/18/2022	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	08/17/2022	ND	231	115	200	11.5		
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	239	119	200	14.8		
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND						

Surrogate: 1-Chlorooctane 90.5 % 43-149

Surrogate: 1-Chlorooctadecane 94.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/16/2022	Sampling Date:	08/16/2022
Reported:	08/19/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 12 2-4' (H223746-17)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2022	ND	2.00	100	2.00	1.49	
Toluene*	<0.050	0.050	08/18/2022	ND	1.98	98.9	2.00	1.18	
Ethylbenzene*	<0.050	0.050	08/18/2022	ND	1.92	96.1	2.00	2.55	
Total Xylenes*	<0.150	0.150	08/18/2022	ND	5.96	99.4	6.00	2.85	
Total BTEX	<0.300	0.300	08/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	08/18/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	201	101	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	221	110	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 94.1 % 43-149

Surrogate: 1-Chlorooctadecane 100 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/16/2022	Sampling Date:	08/16/2022
Reported:	08/19/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 12 4.5' (H223746-18)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2022	ND	2.08	104	2.00	10.2	
Toluene*	<0.050	0.050	08/18/2022	ND	2.01	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/18/2022	ND	1.96	98.1	2.00	9.80	
Total Xylenes*	<0.150	0.150	08/18/2022	ND	6.05	101	6.00	8.90	
Total BTEX	<0.300	0.300	08/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	08/18/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	201	101	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	221	110	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 103 % 43-149

Surrogate: 1-Chlorooctadecane 108 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/16/2022	Sampling Date:	08/16/2022
Reported:	08/19/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 12 5.5' (H223746-19)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2022	ND	2.08	104	2.00	10.2	
Toluene*	<0.050	0.050	08/18/2022	ND	2.01	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/18/2022	ND	1.96	98.1	2.00	9.80	
Total Xylenes*	<0.150	0.150	08/18/2022	ND	6.05	101	6.00	8.90	
Total BTEX	<0.300	0.300	08/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	08/18/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	201	101	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	221	110	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 98.6 % 43-149

Surrogate: 1-Chlorooctadecane 105 % 42.5-161

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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/16/2022	Sampling Date:	08/16/2022
Reported:	08/19/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 12 6.5' (H223746-20)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2022	ND	2.08	104	2.00	10.2	
Toluene*	<0.050	0.050	08/18/2022	ND	2.01	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/18/2022	ND	1.96	98.1	2.00	9.80	
Total Xylenes*	<0.150	0.150	08/18/2022	ND	6.05	101	6.00	8.90	
Total BTEX	<0.300	0.300	08/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/18/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	201	101	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	221	110	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND					

Surrogate: 1-Chlorooctane 98.8 % 43-149

Surrogate: 1-Chlorooctadecane 104 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	08/16/2022	Sampling Date:	08/16/2022
Reported:	08/19/2022	Sampling Type:	Soil
Project Name:	PAR 3	Sampling Condition:	Cool & Intact
Project Number:	20220402 - 2300 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: GS - 13W 0-2' (H223746-21)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/18/2022	ND	2.08	104	2.00	10.2		
Toluene*	<0.050	0.050	08/18/2022	ND	2.01	101	2.00	10.6		
Ethylbenzene*	<0.050	0.050	08/18/2022	ND	1.96	98.1	2.00	9.80		
Total Xylenes*	<0.150	0.150	08/18/2022	ND	6.05	101	6.00	8.90		
Total BTEX	<0.300	0.300	08/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/18/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/17/2022	ND	201	101	200	3.39		
DRO >C10-C28*	<10.0	10.0	08/17/2022	ND	221	110	200	4.49		
EXT DRO >C28-C36	<10.0	10.0	08/17/2022	ND						

Surrogate: 1-Chlorooctane 87.6 % 43-149

Surrogate: 1-Chlorooctadecane 95.3 % 42.5-161

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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

Company Name: <u>Amerdev</u> Project Manager: <u>Andrew Parker</u> Address: <u>On-File</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: <u>20220402-2300-water</u> Project Location: <u>Par 3</u> Sampler Name: <u>Jacob Saenz</u>		<b>BILL TO</b> P.O. #: <u>20220402-2300-water</u> Company: <u>AEP</u> Attn: <u>Send to</u> Address: <u>aparker@amerdev.com</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
FOR LAB USE ONLY Lab I.D. _____ Sample I.D. _____ HZ23746		<b>ANALYSIS REQUEST</b>	
(G)RAB OR (C)OMP. _____ # CONTAINERS _____ MATRIX: GROUNDWATER _____ WASTEWATER _____ SOIL _____ OIL _____ SLUDGE _____ OTHER: _____ PRESERV: ACID/BASE: _____ ICE / COOL _____ OTHER: _____		DATE _____ TIME _____ CHLORIDE _____ TPH (GRO+DRO+MRO) _____ BENZENE, BTEX _____	
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Relinquished By: <u>SAACOB SAENZ</u> Date: <u>8-16-22</u> Time: <u>1550</u>		Received By: <u>[Signature]</u> Date: _____ Time: _____	
Delivered By: (Circle One) <u>418°C</u> <u>C-0.6°C</u> Sampler - UPS - Bus - Other: <u>4.2°C #113</u>		Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/> Checked By: (Initials) <u>[Signature]</u>	

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**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

**BILL TO**

**ANALYSIS REQUEST**

Company Name: <u>Amerdev</u>		P.O. #: <u>20220402-2300-401</u>									
Project Manager: <u>Andrew Parker</u>		Company: <u>AEP</u>									
Address: <u>On-File</u>		Attn: <u>Send to</u>									
City: _____ State: _____ Zip: _____		Address: <u>aparker@</u>									
Phone #: _____ Fax #: _____		City: <u>amerdev.com</u>									
Project #: _____ Project Owner: _____		State: _____ Zip: _____									
Project Location: <u>for 3</u>		Phone #: _____									
Sampler Name: <u>Jacob Saenz</u>		Fax #: _____									
FOR LAB USE ONLY											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE, BTEX
<u>H223746</u>											
<u>11</u>	<u>G5-10</u>	<u>0-2FT</u>	<u>1</u>	<u>X</u>	<u>X</u>	<u>8/16/02</u>	<u>9:45m</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>12</u>	<u>G5-10</u>	<u>2-4FT</u>	<u>1</u>				<u>10m</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>13</u>	<u>G5-10</u>	<u>4-5FT</u>	<u>1</u>				<u>10:30m</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>14</u>	<u>G5-10</u>	<u>5-5FT</u>	<u>1</u>				<u>10:40m</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>15</u>	<u>G5-10E</u>	<u>0-2FT</u>	<u>1</u>				<u>10:50m</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>16</u>	<u>G5-12</u>	<u>0-2FT</u>	<u>1</u>				<u>11m</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>17</u>	<u>G5-12</u>	<u>2-4FT</u>	<u>1</u>				<u>11:15m</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>18</u>	<u>G5-12</u>	<u>4-5FT</u>	<u>1</u>				<u>11:20m</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>19</u>	<u>G5-12</u>	<u>5-5FT</u>	<u>1</u>				<u>11:30m</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>20</u>	<u>G5-12</u>	<u>6-5FT</u>	<u>1</u>				<u>11:40m</u>	<u>X</u>	<u>X</u>	<u>X</u>	

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Relinquished By: Jacob Saenz Date: 8-16-22  
 Received By: Andrew Parker Date: 1-5-20

Delivered By: (Circle One) M.S. C.O.C.  
 Sampler - UPS - Bus - Other: UPS #113

Sample Condition:  Intact  Cool  Yes  No  
 CHECKED BY: (Initials)  
 Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_  
 REMARKS: P.2

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

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

CONDITIONS

Action 137686

**CONDITIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 137686
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved with Conditions. Please complete horizontal delineation at GS-03E and vertical delineation at GS-02, GS-15, and GS-24. Variance approved for confirmation sidewall and bottom sample grid not to exceed 500 ft2.	8/31/2022

Incident ID	nAPP2209827356
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)

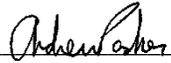
**Deferral Requests Only:** Each of the following items must be confirmed as part of any request for deferral of remediation.

- 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: Andrew Parker

Title: Env. Scientist

Signature: 

Date: December 12, 2022

email: aparker@ameredev.com

Telephone: 970-570-9535

**OCD Only**

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

- Approved     
 Approved with Attached Conditions of Approval     
 Denied     
 Deferral Approved

Signature: 

Date: 01/10/2023



Ameredev II, LLC

2901 Via Fortuna Suite 600 • Austin, Texas 78746 • Phone (737) 300-4700

December 12, 2022

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

RE: Chloride Capture Remediation Plan  
Incident ID: nAPP2209827356  
Par Three NGL Riser  
AEP #: 20220402-2300-water

NMOCD:

Ameredev Operating is pleased to submit this chloride capture remediation plan. Upon NMOCD's approval, Ameredev will implement the proposed plan within 60-days. The chloride capture program is on Intrepid Potash surface. Intrepid's email approval is attached.

As presented in our October 4<sup>th</sup> meeting, the proposed remediation plan is limited to the area south of the pipeline right-of-way (ROW). Exhibit 1 identifies the subject portion. The release area along the pipeline ROW has been remediated, restored, and reclaimed to the most stringent closure criteria per Table 1 of 19.15.29 NMAC. Confirmation sampling of base grids G-01 through G-03.1 exhibit closure criteria below the most stringent concentrations listed in Table 1 of 19.15.29 NMAC.

To determine depth-to-water within ½-mile of the release extent, Ameredev Operating began a depth-to-water borehole program mid-September 2022. The depth to water boring nearest to the release area is mapped on Exhibit 7:

- MISC-408 (CP-1919 POD 1) is located 184-feet east of the release extent. Depth to water is noted as >101-feet. The Well Log is presented in Appendix A. The borehole has been plugged according to OSE regulations.

Incident ID: nAPP2209827356

Par Three NGL Riser

AEP #: 20220402-2300-water

A second water well is located 0.35-miles south-southeast of the release extent. The well is identified on Exhibit 7 as USGS-15093. The USGS 7.5 Minute Quadrangle topographic map identifies the well as the “North K Windmill”. The well is referenced in the OSE database as CP-00180. The OSE well log is provided in Appendix A. The well has a reported depth of 605-feet and a depth-to-water of 296.7-feet recorded by the USGS on 03/07/1996.

As shown in the attached photos the subject release area intersects narrow drainages with defined banks and sides. Location of photos are mapped in Exhibits 2 – 5. Some drainage bottoms measure not more than 1.5 feet across. An intermittent stream is mapped on the 7.5 Minute Quadrangle USGS Topographic Map and intersect the release extent as a dotted blue line on Exhibit 1. Vegetation along the banks and pastureland exhibit good, healthy growth while adding soil stability during stormwater runoff. A hard caliche layer was observed along portions of the drainage bottoms. This hard caliche layer prevents erosion during stormwater runoff.

Characterization samples were collected throughout the subject area (Exhibit 2 - 5). Hand auger sampling technologies were deployed to minimize impact to the environment and minimize surface disturbance from heavy equipment. A hard caliche layer at depth prevented vertical delineation at some sample locations as presented in the “Notes” column of Table A. A rock bar was utilized to break up the hard caliche but efforts were unsuccessful.

Table A summarizes the characterization/delineation results. All samples exhibited hydrocarbons below laboratory detection levels. Chloride remains the constituent of concern. Evaluation of analytical data demonstrates that chloride concentrations at multiple sample grid locations are increasing with depth. Climate data shows that significant rainfall events occurred in June and August 2022, which is the likely cause of the observed chloride ion movement. The August sampling event occurred before the August precipitation and continued movement of chlorides likely occurred after this storm event.

Ameredeve proposes a variance to 19.15.29 NMAC for the following:

1. A significant water course mapped as an intermittent stream crosses the southern half of the release extent. Per 19.15.29.12.C(4)(a)(i) NMAC, remediation is required to meet Closure Criteria listed in Table 1 of 19.15.29 NMAC as if groundwater is  $\leq$ 50-feet below ground surface
2. Per 19.15.29.13.A. The responsible party must substantially restore the impacted surface areas to the condition that existed prior to the release or their final use. Restoration of the site must include the replacement of removed material and must be replaced to the near original relative positions and contoured to achieve erosion control, long term stability and preservation of surface water flow patterns.

12/12/2022

Released to Imaging: 2/9/2026 11:40:43 AM



Incident ID: nAPP2209827356

Par Three NGL Riser

AEP #: 20220402-2300-water

Remediation of impacted soils using mechanical equipment to meet closure criteria will negatively impact the environment. The stability and preservation of natural surface water flow patterns will be compromised. Impacted to ground water is unlikely.

- Disturbance to the drainages.
  - Caliche layer
    - A hard caliche layer is present along the drainage bottom. The caliche is visible along portions of the drainage. In areas where the caliche was not observed, the caliche layer was encountered at shallow depths while hand augering and noted by “Auger Refusal” in Table A. The observation is consistent with the NRCS soil classification presented in the August 24, 2022 remediation plan.
    - During remediation along the pipeline ROW, the same hard caliche was observed. The hard caliche was approximately 1-foot thick. Underlying the hard caliche layer was medium to soft caliche.
    - The hard caliche layer is likely a localized confining layer, impeding the vertical movement of surface water.
    - The hard caliche layer prevents substantial erosion during stormwater runoff.
  - Bank stabilization
    - Good vegetation exists along drainage banks, creating stabilization.
    - The natural drainages are narrow in width ranging from 1 to 3 feet in width. Mechanical remediation within the natural drainages will disturb the stabilized banks and significant erosion will occur during stormwater runoff.
  - Terminus of the drainages
    - The mapped “intermittent stream” is 0.75 miles in length. It is not connected to any other mapped watercourse.
    - The unmapped drainages within the release extent terminates into a slightly sloping alluvial surface. Good vegetative growth was observed throughout the alluvial surface.
    - Disturbance to the alluvial surface will create additional erosion. Erosion is likely to continue after surface disturbance due to mechanical remediation.

### **Proposed Remediation Plan**

The proposed remedial action is to cause chloride “movement and capture” through the unsaturated zone within the release area. Limited soil sampling will occur semiannually to monitor for a decrease in chloride concentrations. Hydrocarbons were not detected during characterization and delineation; therefore, hydrocarbons will not be further evaluated.

12/12/2022

Released to Imaging: 2/9/2026 11:40:43 AM



AmeredeV II, LLC

Incident ID: nAPP2209827356

Par Three NGL Riser

AEP #: 20220402-2300-water

The chloride movement and capture areas are divided into four regions (north to south) as presented on Exhibit 6:

- I. North Drainage
- II. North Catch Basin
- III. South Drainage
- IV. South Catch Basin

Natural and artificial precipitation events will induce chloride movement. The volume of water necessary to reduce chloride concentrations to meet Closure Criteria is approximately a 4-foot water column over the proposed remediation area; equaling 19,638 bbls of fresh water. Artificial precipitation events will be simulated by 20 successive watering events 6 weeks apart when there is insufficient natural precipitation to mobilize chlorides. More frequent watering events may be necessary to maintain favorable soil moisture content. Each watering event will represent a 2.5-inch rainfall event.

Water requirements were calculated<sup>1</sup>, where

$D_w = K D_s (E_{Co} / E_{Ct})$	
$D_w$	Depth of drainage water required (inches)
$D_s$	Thickness of impacted layer of soil (inches)
$K$	Drainable porosity (%100)
$E_{Co}$	Initial soil EC
$E_{Ct}$	Target EC after treatment
$D_s$	48
$K$	0.2
$E_{Co}$	4.21
$E_{Ct}$	0.87
$D_w$	46.46 inches
	3.87 feet

Target EC was calculated from the y-intercept, where  $y = 757.24x - 63.104$ ;  $R^2 = 0.9417$ .

<sup>1</sup> Sublette, Kerry L. (undated). Remediation of Brine Impacted Soils. PowerPoint presentation.

Incident ID: nAPP2209827356  
 Par Three NGL Riser  
 AEP #: 20220402-2300-water

Correlating electrical conductivity (EC) field measurements with laboratory chloride analysis of soils collected at the subject release resulted in a  $R^2$  value of 0.9417 (Figure 1). Applying the y-intercept equation, an EC value of  $<0.87$  mS/cm correlates with a chloride concentration  $<600$  mg/kg.

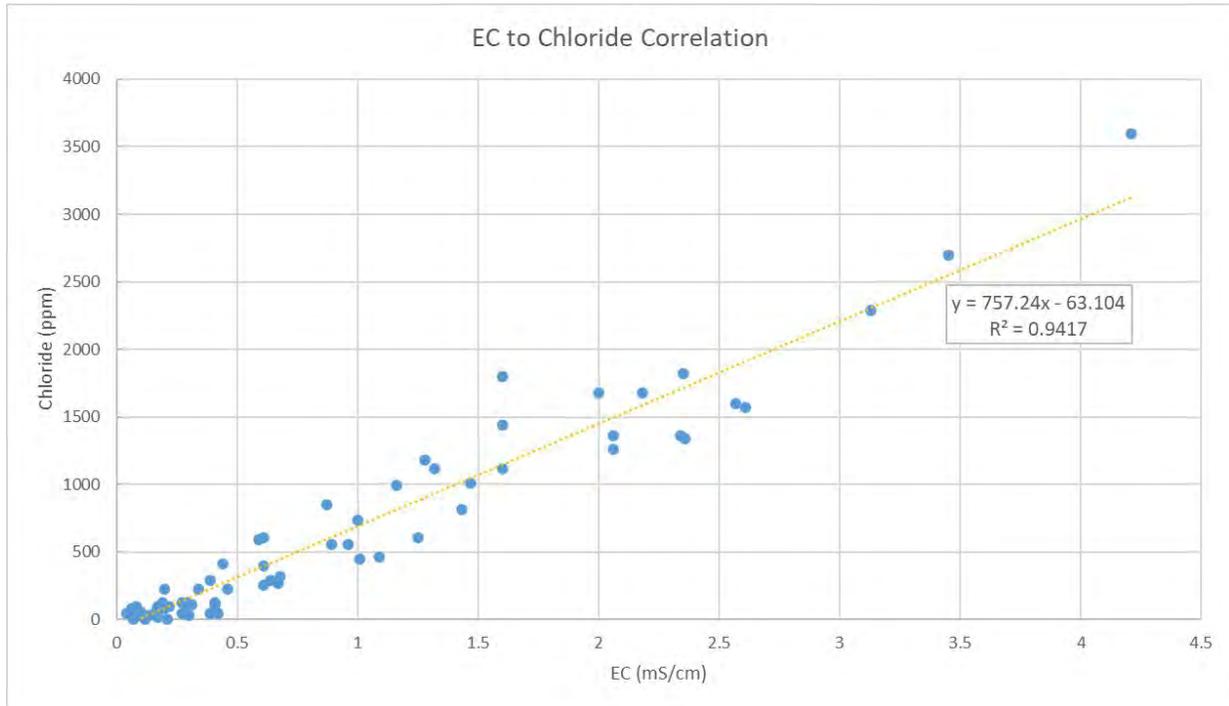


Figure 1: Electrical Conductivity to Chloride Correlation

According to Sublette<sup>1</sup>, “A unit depth of irrigation water will remove about 80% of the salts from a unit depth of impacted soil”, where

Inches of water	24	
Thickness of soil (inches)	24	
EC <sub>o</sub>	4.21	mS/cm
EC <sub>removed</sub>	3.37	mS/cm
Resulting soil leachate	0.84	mS/cm

24-inches of water will cause chloride concentrations to be less than 600 mg/kg (EC $<0.87$  mS/cm) in the upper 2-feet of the soil horizon.

Incident ID: nAPP2209827356  
Par Three NGL Riser  
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Artificial precipitation volumes and flow sequence at each of the four regions:

- i. At the head of the North Drainage, 185 bbls, per water event, of fresh water will be applied to open flow through the drainage to stimulate chloride movement. The leachate water will be captured in a buried perforated drain pipe within the North Catch Basin area.
- ii. Within the North Catch Basin area, fresh water will be applied via aerial spray from a water truck. 418 bbls, per watering event, of water will be applied to stimulate chloride movement. It is anticipated that surface and infiltrated water will follow surface topography and drain toward the natural drainage and into the perforated pipe. Collected leachate water in the perforated pipe will subsequently flow into a catch basin at the southern end of the North Catch Basin area.
- iii. At the head of the South Drainage, 111 bbls, per water event, of fresh water will be applied to open flow through the drainage to stimulate chloride movement. The leachate water will be captured in a buried perforated drain pipe within the South Catch Basin area.
- iv. Within the South Catch Basin area, fresh water will be applied via aerial spray from a water truck. 268 bbls, per water event, of water will be applied to stimulate chloride movement. It is anticipated that surface and infiltrated water will follow surface topography and drain toward the natural drainage and into the perforated pipe. Collected leachate water in the perforated pipe will subsequently flow into a catch basin at the southern end of the South Catch Basin area.
- v. The catch basins will be monitored after natural and artificial precipitation events for water accumulation. When the catch basins reach capacity, the leachate will be removed and hauled off-site for proper disposal.

The 4-inch perforated drain pipe will be installed with a poly filter sock to prevent soil from clogging the perforations. The pipe will be buried approximately 3 to 4-feet below ground surface, just above the caliche layer. The drain pipe will slope downgradient with sufficient slope to allow for flow into the catch basin.



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The catch basin will be constructed of HDPE and will be a low profile design with a capacity of 1,175 gallons (28 bbls). The inlet of the catch basin will be at sufficient depth for capture of the drain pipe discharge.



An Electromagnetic Survey (EM Survey) will be conducted within the area of interest prior to construction and at 6-month intervals to monitor for changes in electrical conductivity (soil salinity). Soil samples will be collected in areas showing elevated EC readings for the analysis of chloride. The EM Survey and soil analyses will be used to evaluate the effectiveness of chloride movement efforts.

Per 19.15.29.14.A (2), the proposed remediation plan and requested variance will provide equal or better protection of fresh water, public health and the environment

1. The hard confining caliche layer will remain intact and shall continue to impede infiltration of impacted surface water during precipitation events.
2. Surface water flow and capture during wetting events (natural and artificial) will continue to reduce the mass load of constituents of concern (chloride). Hydrocarbons were below laboratory detection levels.
3. Limited disturbance to the natural drainage patterns minimizes erosion and maintains the natural surface water flow patterns.
4. Existing vegetation will continue to provide surface soil stability and provide habitat for wildlife.

At the cessation of the chloride capture program, the surface will be reclaimed in accordance with 19.15.29.13.D.

Sincerely,  
Ameredev II, LLC



Andrew Parker  
Env. Scientist

12/12/2022

**From:** [Travis McBain](#)  
**To:** [Andrew Parker](#)  
**Subject:** [EXTERNAL] RE: Par 3 Riser Variance Proposal 20220402-2300-water  
**Date:** Tuesday, December 6, 2022 11:19:59 AM  
**Attachments:** [nAPP2209827356 Chloride Capture Remediation Plan\\_draft.pdf](#)

---

External (travis.mcbain@intrepidpotash.com)

[Report This Email](#) [FAQ](#) [Protection by INKY](#)

Parker,

We have reviewed and do not have any comments to add at this time. We do however request that Ameredev copy us on its final correspondence with NMOCD.

Best Regards,

**Travis McBain, CPL**  
Director of Land/Buisness Development

**INTREPID**

707 17th Street, Suite 4200

Denver, CO 80202

405.938.5411 (mobile)

[travis.mcbain@intrepidpotash.com](mailto:travis.mcbain@intrepidpotash.com)

---

**From:** Andrew Parker <[aparker@ameredev.com](mailto:aparker@ameredev.com)>  
**Sent:** Tuesday, December 6, 2022 8:05 AM  
**To:** Travis McBain <[travis.mcbain@intrepidpotash.com](mailto:travis.mcbain@intrepidpotash.com)>  
**Subject:** FW: Par 3 Riser Variance Proposal 20220402-2300-water

Hello Travis. Checking to see if you received the below email?

Andrew Parker  
Environmental Scientist  
970-570-9535



---

**From:** Andrew Parker  
**Sent:** Wednesday, November 30, 2022 9:57 AM  
**To:** Travis McBain <[travis.mcbain@intrepidpotash.com](mailto:travis.mcbain@intrepidpotash.com)>  
**Subject:** Par 3 Riser Variance Proposal 20220402-2300-water

Travis,

Ameredev has been working with NMOCD to develop an alternative remediation plan for the Par 3 Riser release area that flowed along a drainage. Dig-haul-dispose remediation methods along the drainage will negatively impact the environment. The stability and preservation of natural surface water flow patterns will be compromised. Impacted to ground water is unlikely.

Attached is the proposed plan to remediate the impacted soils via chloride movement and capture. As Intrepid is the surface owner, Ameredev respectfully asks for approval of the proposed plan. Upon Intrepid's approval, we will submit to NMOCD for final approval.

Please contact me with any questions or concerns.

Best Regards,

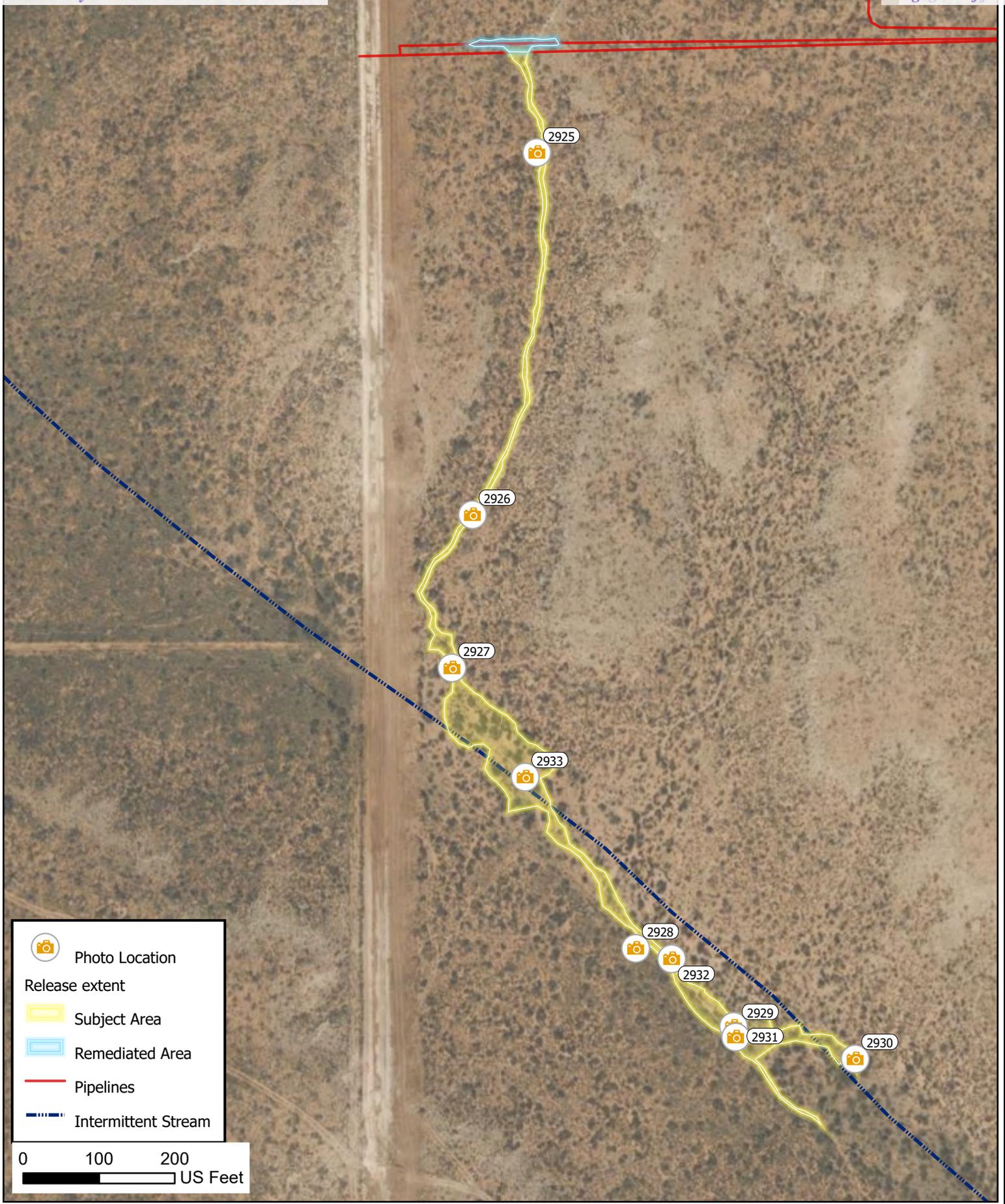
Andrew Parker  
Environmental Scientist  
970-570-9535



# Exhibits



Ameredev II, LLC



-  Photo Location
- Release extent
-  Subject Area
-  Remediated Area
-  Pipelines
-  Intermittent Stream

0 100 200  
 US Feet

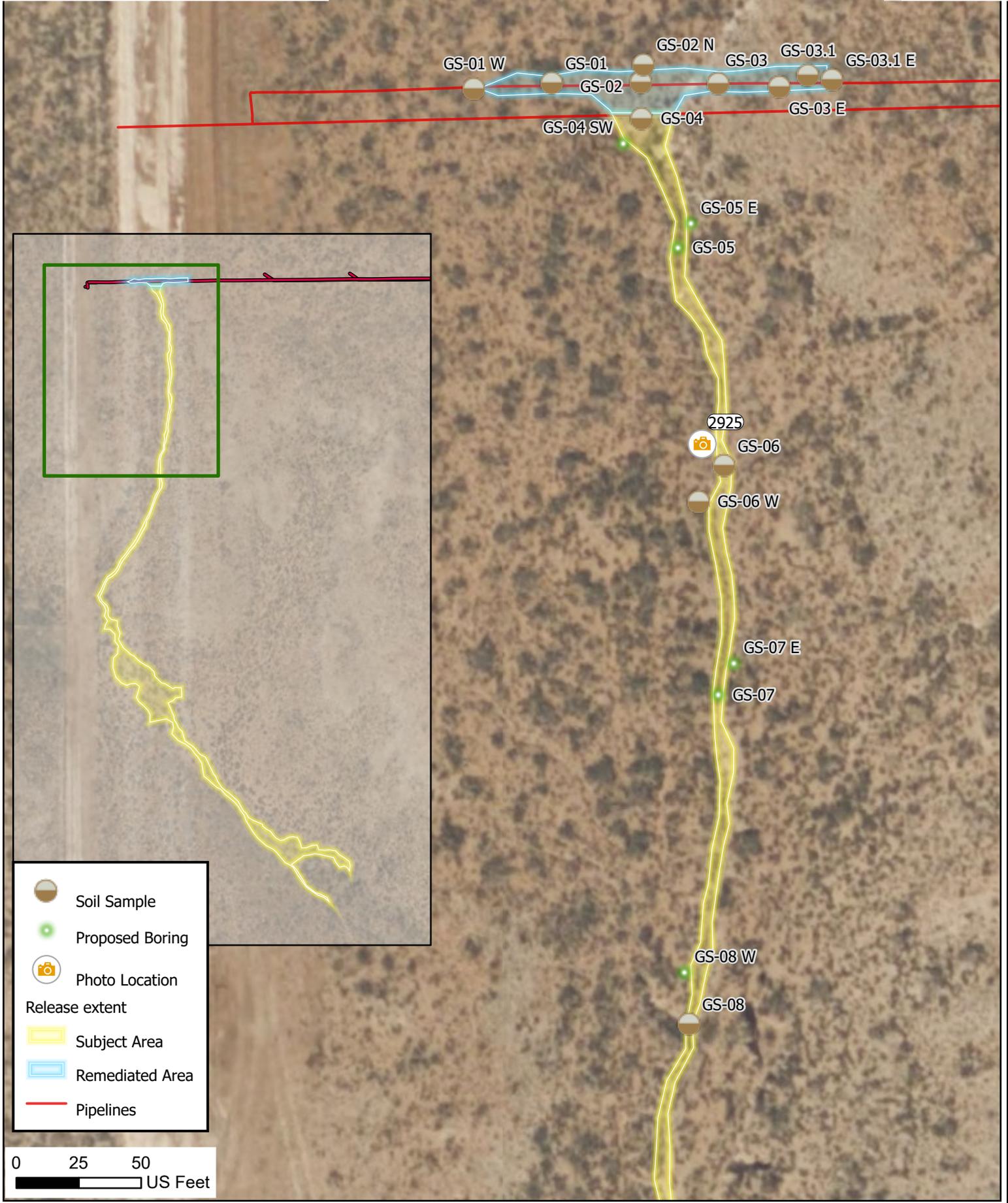


Site Map - Variance Request  
 Par Three NGL Riser

Exhibit 1

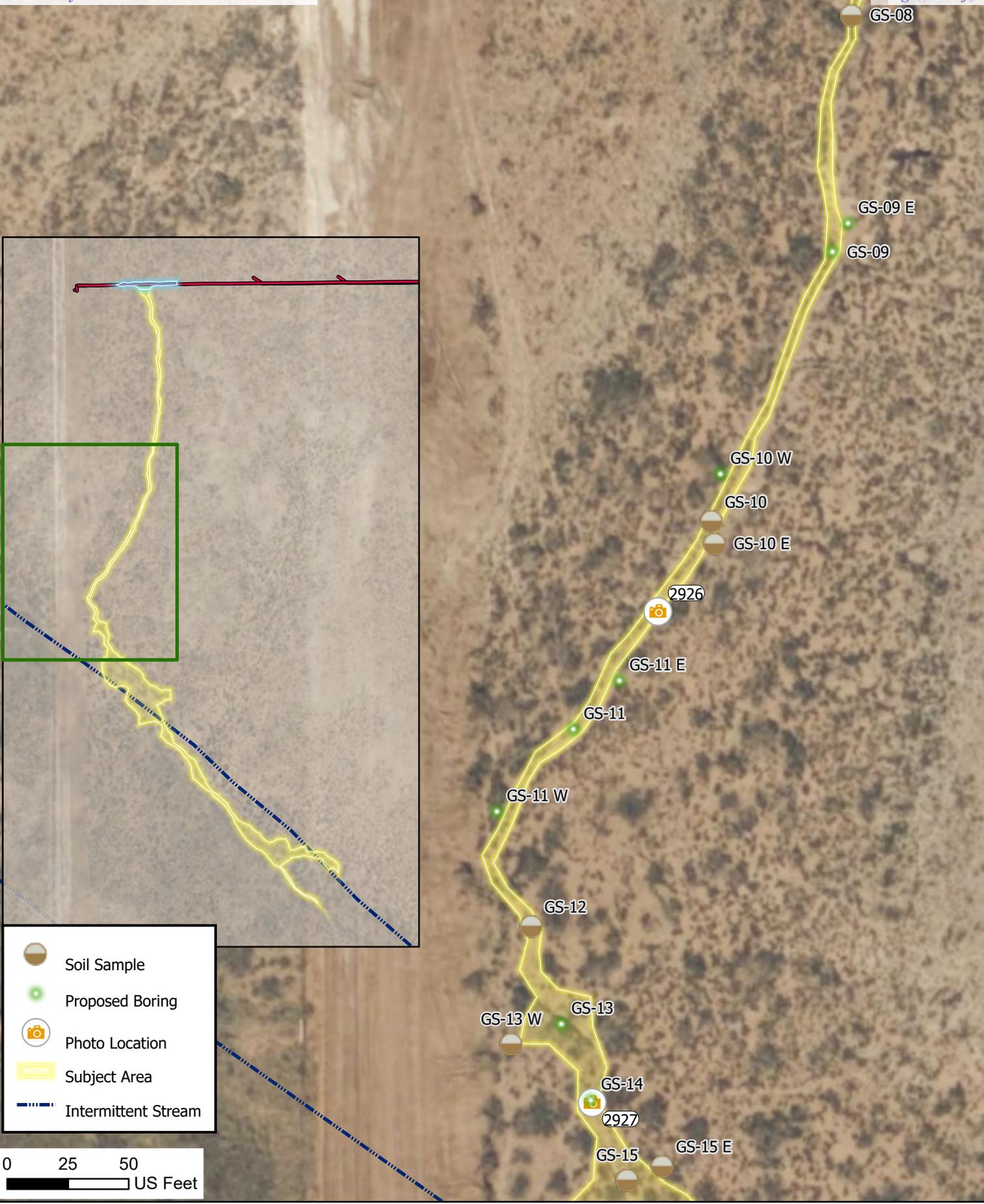
Incident ID: nAPP2209827356  
 AEP #: 20220402-2300-water

09/27/2022



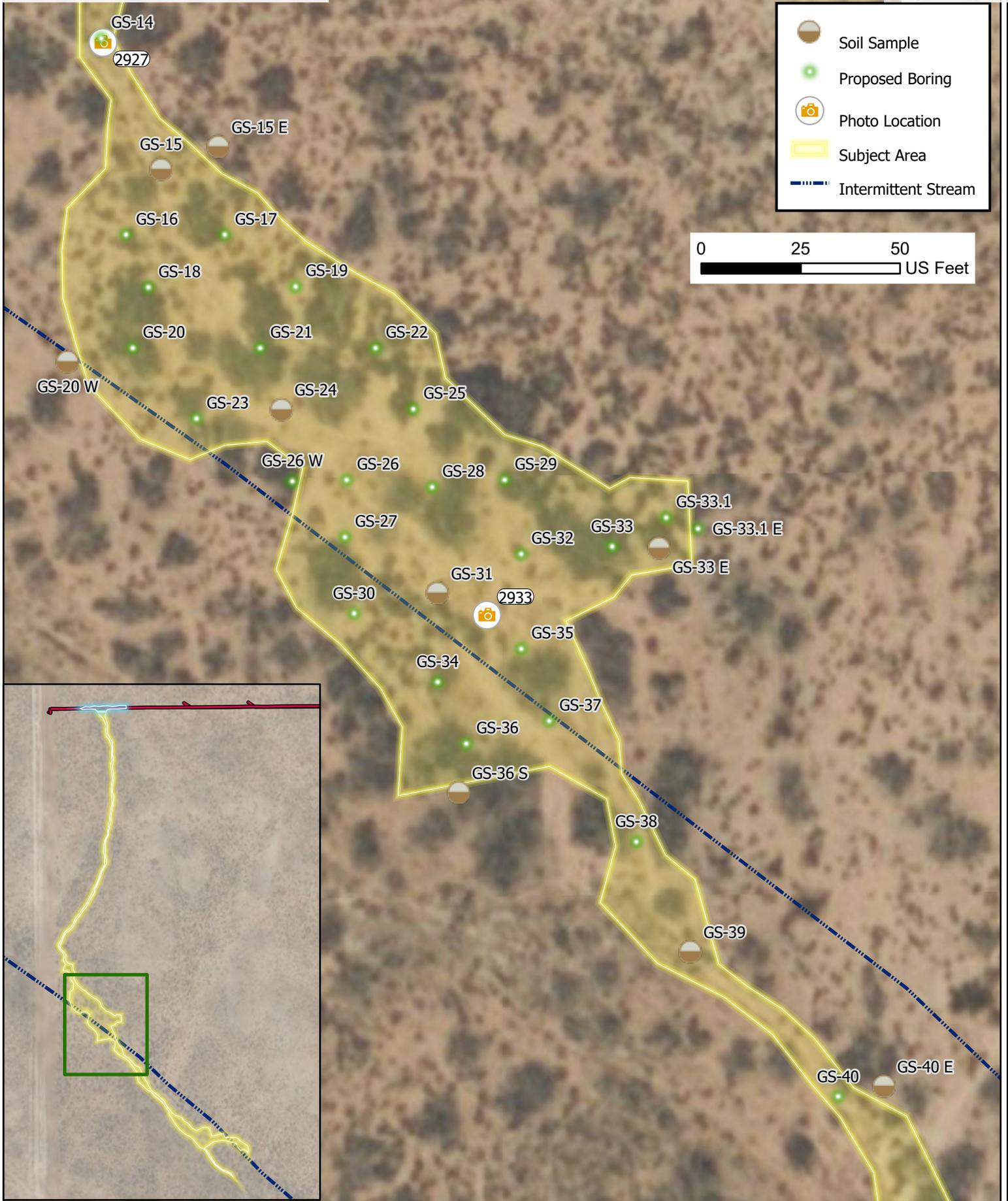
Sample Points- North Quarter  
 Par Three NGL Riser  
 Incident ID: nAPP2209827356  
 AEP #: 20220402-2300-water

Exhibit 2  
 09/27/2022



Sample Points- North Central Quarter  
 Par Three NGL Riser  
 Incident ID: nAPP2209827356  
 AEP #: 20220402-2300-water

Exhibit 3  
 09/27/2022

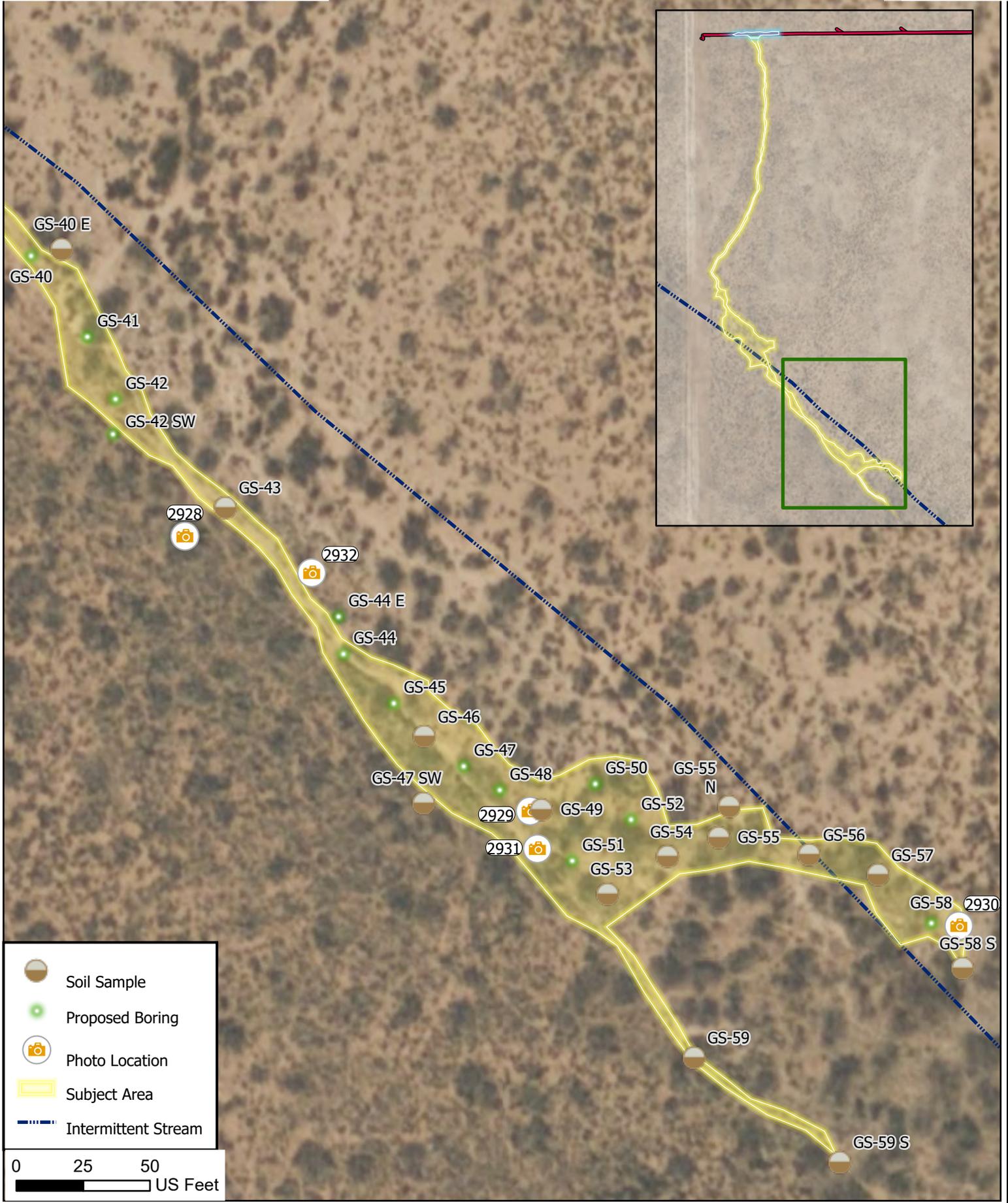


Sample Points- South Central Quarter  
Par Three NGL Riser

Incident ID: nAPP2209827356  
AEP #: 20220402-2300-water

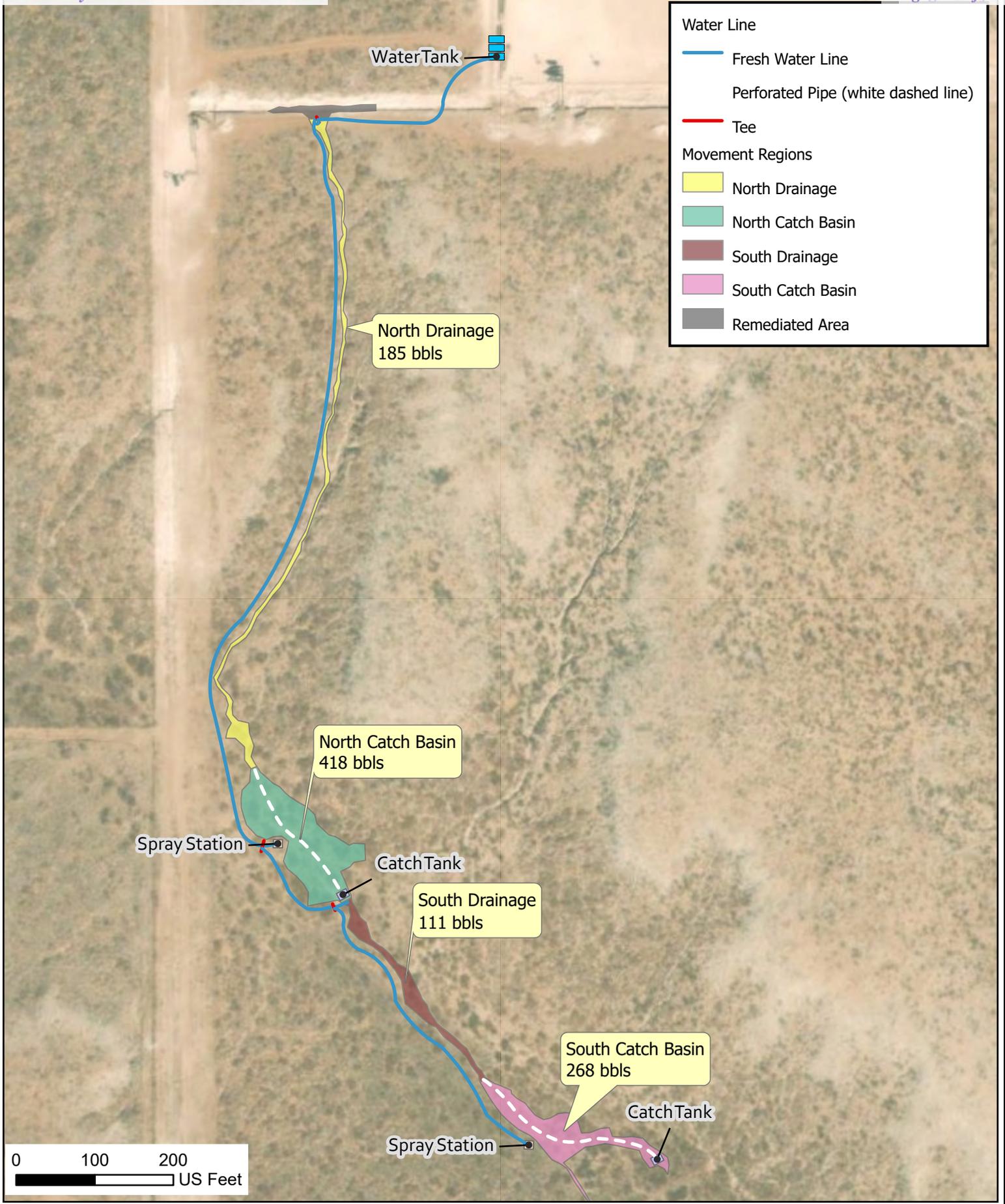
Exhibit 4

09/27/2022



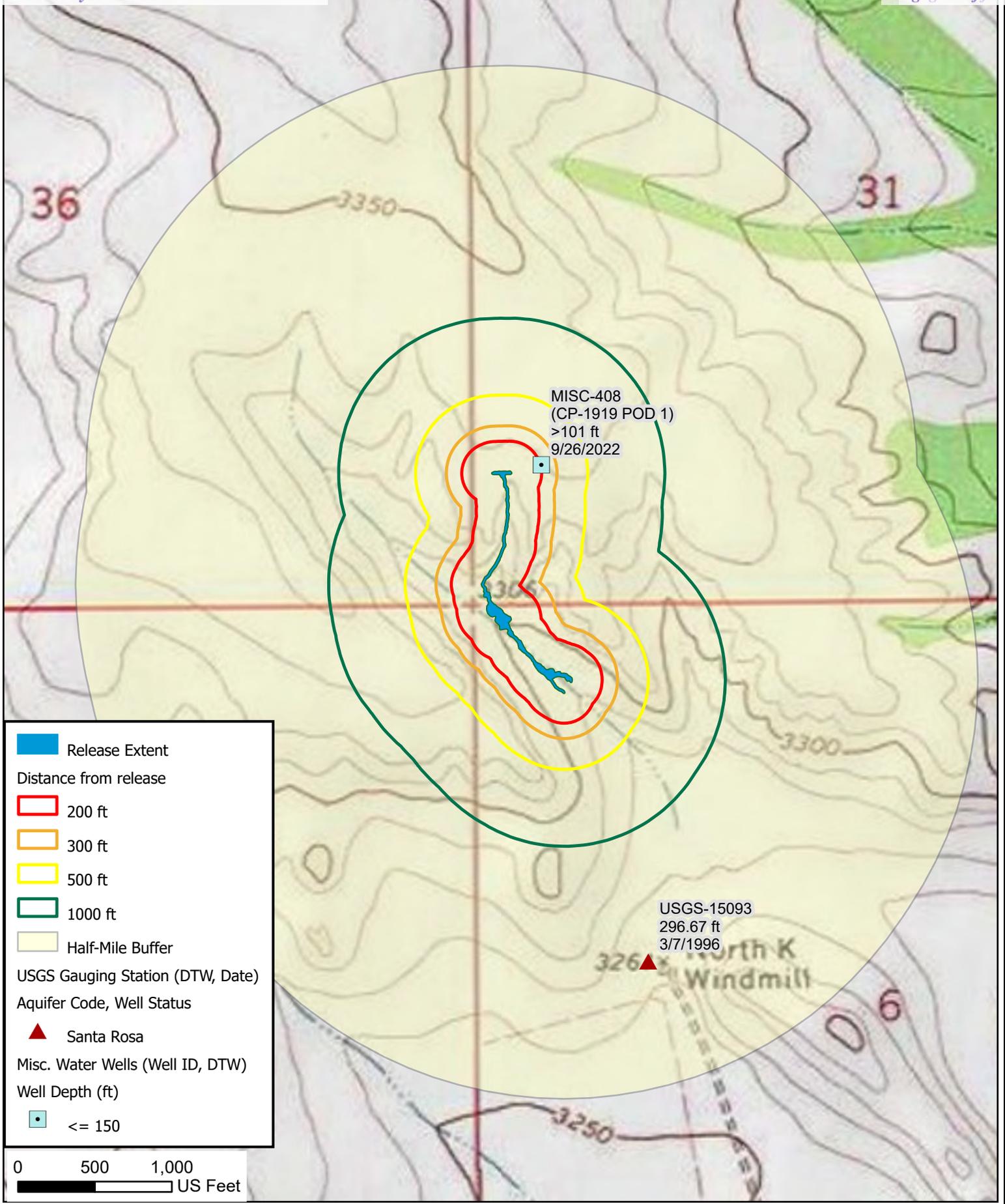
Sample Points- South Quarter Par Three NGL Riser
Incident ID: nAPP2209827356 AEP #: 20220402-2300-water

Exhibit 5
09/27/2022



Chloride Movement Regions  
 Par Three NGL Riser  
 Incident ID: nAPP2209827356  
 AEP #: 20220402-2300-water

Exhibit 6  
 10/31/2022



**Release Extent**

Distance from release

- 200 ft
- 300 ft
- 500 ft
- 1000 ft
- Half-Mile Buffer

USGS Gauging Station (DTW, Date)

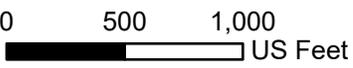
Aquifer Code, Well Status

- ▲ Santa Rosa

Misc. Water Wells (Well ID, DTW)

Well Depth (ft)

- <= 150



Depth to Water Par Three NGL Riser
Incident ID: nAPP2209827356 AEP #: 20220402-2300-water

Exhibit 7
10/31/2022

# Tables



Ameredev II, LLC

September 27, 2022

Table A  
Summary of Analytical

Incident ID: nAPP2209827356  
Par Three NGL Riser  
AEP #: 20220402-2300-water

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Surface Use	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Comments	Notes
NMOCD Closure Criteria												
0 - 4 feet & "not in-use"						600	--	100	10	50		
> 4 ft or "in-use"						600	100	100	10	50		
GS-01	8/16/2022		0	1	ROW	96	<20	<30	<0.05	<0.3	Vertical Delineation	Auger Refusal
GS-01 W	8/16/2022		0	2	ROW	32	<20	<30	<0.05	<0.3	Horizontal Delineation	
GS-02	8/16/2022		0	2	ROW	1340	<20	<30	<0.05	<0.3	Vertical Delineation	Removed
GS-02	9/14/2022	2			ROW	16	<20	<30	<0.05	<0.3	Confirmation	Auger Refusal
GS-02 N	8/16/2022		0	2	ROW	80	<20	<30	<0.05	<0.3	Horizontal Delineation	
GS-03	9/14/2022	2			ROW	32	<20	<30	<0.05	<0.3	Confirmation	
GS-03 E	8/16/2022		0	2	ROW	848	<20	<30	<0.05	<0.3	Horizontal Delineation	Removed
GS-03.1	9/14/2022	2			ROW	32	<20	<30	<0.05	<0.3	Confirmation	
GS-03.1 E	9/14/2022		0	2	ROW	<16	<20	<30	<0.05	<0.3	Confirmation	
GS-04	8/16/2022		0	2	Pasture	48	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-04	8/16/2022		2	3	Pasture	112	<20	<30	<0.05	<0.3	Vertical Delineation	Auger Refusal
GS-06	8/16/2022		0	1	Pasture	96	<20	<30	<0.05	<0.3	Vertical Delineation	Auger Refusal
GS-06 W	8/16/2022		0	2	Pasture	64	<20	<30	<0.05	<0.3	Horizontal Delineation	
GS-08	8/16/2022		0	1.5	Pasture	48	<20	<30	<0.05	<0.3	Vertical Delineation	Auger Refusal
GS-10	8/16/2022		0	2	Pasture	560	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-10	8/16/2022		2	4	Pasture	992	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-10	8/16/2022	4.5			Pasture	128	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-10	8/16/2022	5.5			Pasture	80	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-10 E	8/16/2022		0	2	Pasture	48	<20	<30	<0.05	<0.3	Horizontal Delineation	
GS-12	8/16/2022		0	2	Pasture	272	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-12	8/16/2022		2	4	Pasture	1360	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-12	8/16/2022	4.5			Pasture	1680	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-12	8/16/2022	5.5			Pasture	608	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-12	8/16/2022	6.5			Pasture	128	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-13 W	8/16/2022		0	2	Pasture	48	<20	<30	<0.05	<0.3	Horizontal Delineation	
GS-15	8/15/2022		0	2	Pasture	96	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-15	8/15/2022		2	4	Pasture	448	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-15	8/15/2022	4.5			Pasture	1360	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-15	8/15/2022	5.5			Pasture	2290	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-15	8/15/2022	6.5			Pasture	3600	<20	<30	<0.05	<0.3	Vertical Delineation	Auger Refusal
GS-15 E	8/15/2022		0	2	Pasture	64	<20	<30	<0.05	<0.3	Horizontal Delineation	
GS-20 W	8/15/2022		0	2	Pasture	32	<20	<30	<0.05	<0.3	Horizontal Delineation	
GS-24	8/15/2022		0	2	Pasture	256	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-24	8/15/2022		2	4	Pasture	1570	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-24	8/15/2022	4.5			Pasture	2700	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-24	8/15/2022	5.5			Pasture	1680	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-24	8/15/2022	6.5			Pasture	816	<20	<30	<0.05	<0.3	Vertical Delineation	Auger Refusal

September 27, 2022

Table A  
Summary of Analytical

Incident ID: nAPP2209827356  
Par Three NGL Riser  
AEP #: 20220402-2300-water

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Surface Use	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Comments	Notes
NMOCD Closure Criteria												
0 - 4 feet & "not in-use"						600	--	100	10	50		
> 4 ft or "in-use"						600	100	100	10	50		
GS-31	8/15/2022		0	2	Pasture	464	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-31	8/15/2022		2	4	Pasture	1260	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-31	8/15/2022	4.5			Pasture	1820	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-31	8/15/2022	5.5			Pasture	288	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-31	8/15/2022	6.5 B			Pasture	224	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-31	8/15/2022	6.5 A			Pasture	96	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-33 E	8/15/2022		0	2	Pasture	288	<20	<30	<0.05	<0.3	Horizontal Delineation	
GS-33 E	8/15/2022		2	4	Pasture	1180	<20	<30	<0.05	<0.3	Horizontal Delineation	
GS-33 E	8/15/2022	4.4			Pasture	112	<20	<30	<0.05	<0.3	Horizontal Delineation	Auger Refusal
GS-36 S	8/15/2022		0	2	Pasture	48	<20	<30	<0.05	<0.3	Horizontal Delineation	
GS-39	8/15/2022		0	2	Pasture	48	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-39	8/15/2022		2	4	Pasture	32	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-39	8/15/2022	4.5			Pasture	560	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-39	8/15/2022	5.5			Pasture	1010	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-39	8/15/2022	6.5			Pasture	736	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-39	8/15/2022	7.5			Pasture	96	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-40 E	8/12/2022		0	2	Pasture	48	<20	<30	<0.05	<0.3	Horizontal Delineation	
GS-43	8/12/2022		0	2	Pasture	80	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-46	8/15/2022		0	2	Pasture	32	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-47 SW	8/12/2022		0	2	Pasture	64	<20	<30	<0.05	<0.3	Horizontal Delineation	
GS-49	8/12/2022		0	2	Pasture	608	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-49	8/12/2022		2	4	Pasture	1600	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-49	8/12/2022	4.5			Pasture	80	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-53	9/15/2022		0	2	Pasture	112	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-53	9/15/2022		2	4	Pasture	1120	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-53	9/15/2022	4.5			Pasture	1120	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-54	8/12/2022		0	2	Pasture	48	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-55	9/15/2022		0	2	Pasture	1800	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-55	9/15/2022		2	4	Pasture	80	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-55 N	9/15/2022		0	2	Pasture	<16	<20	<30	<0.05	<0.3	Horizontal Delineation	
GS-56	9/15/2022		0	2	Pasture	<16	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-57	8/12/2022		0	2	Pasture	32	<20	<30	<0.05	<0.3	Vertical Delineation	

September 27, 2022

Table A  
Summary of Analytical

Incident ID: nAPP2209827356  
Par Three NGL Riser  
AEP #: 20220402-2300-water

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Surface Use	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Comments	Notes
NMOCD Closure Criteria												
0 - 4 feet & "not in-use"						600	--	100	10	50		
> 4 ft or "in-use"						600	100	100	10	50		
GS-58	9/15/2022		0	2	Pasture	1440	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-58	9/15/2022		2	4	Pasture	592	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-58	9/15/2022	4.5			Pasture	64	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-58 S	8/12/2022		0	2	Pasture	224	<20	<30	<0.05	<0.3	Horizontal Delineation	
GS-58 S	8/12/2022		2	4	Pasture	128	<20	<30	<0.05	<0.3	Horizontal Delineation	
GS-58 S	8/12/2022	4.5			Pasture	80	<20	<30	<0.05	<0.3	Horizontal Delineation	
GS-59	8/12/2022		0	2	Pasture	96	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-59	8/12/2022		2	4	Pasture	320	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-59	8/12/2022	4.5			Pasture	416	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-59	8/12/2022	5.5			Pasture	400	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-59	8/12/2022	6.5			Pasture	128	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-59	8/12/2022	7.5			Pasture	224	<20	<30	<0.05	<0.3	Vertical Delineation	
GS-59 S	8/12/2022		0	2	Pasture	80	<20	<30	<0.05	<0.3	Horizontal Delineation	
Exceeds Closure Criteria												

# Photos



Ameredev II, LLC



*Excavated area along pipeline ROW viewing west from east edge of release extent at sample point GS-03.1 E.*



*Photo 2925 viewing south along an unmapped drainage in the northern quarter of the subject area. Release extent was confined within the drainage. Caliche dominates the drainage bottom.*



Amerdev II, LLC



*Photo 2926 viewing north along unmapped drainage near the central portion of the subject release. Release was confined within the drainage.*



Ameredev II, LLC



*Photo 2927 viewing southwest near the central portion of the release area at a point where an unmapped drainage terminates into a slightly sloping surface. Healthy vegetation dominates the release area.*



Ameredev II, LLC



*Photo 2928 viewing northwest along an unmapped drainage near the southern extent of the subject area. The release extent was confined within the drainage. Healthy vegetation dominates the banks and surrounds.*



*Photo 2929 viewing northwest near the southern extent of the release extent. The unmapped drainage is bounded by healthy vegetation.*



Ameredeve II, LLC



*Photo 2930 viewing north into the subject area. Dense vegetation obscures the mapped “intermittent stream” and provided habitat for wildlife. Photo was taken from the far southeast release extent near sample location GS-58 S.*



*Photo 2931 viewing north near the southern portion of the subject area. The release extent extended beyond the drainage into the surrounding pasture land. Vegetation naturally recovered from the release.*



Amerdev II, LLC



*Photo 2932 viewing north along an unmapped drainage near the southern quarter of the subject release. Hard caliche dominates the drainage bottom. Healthy vegetation stabilized the drainage banks.*



Ameredev II, LLC



*Photo 2933 viewing north where the mapped "intermittent stream" crosses the release extent near the center portion of the release. The release extent extended beyond the drainage into the pastureland. Vegetation dominates the release area demonstrating that natural attenuation is occurring.*



Ameredev II, LLC

# Appendix A

## Well Logs



AmereDev II, LLC



2904 W 2nd St.  
Roswell, NM 88201  
voice: 575.624.2420  
fax: 575.624.2421  
www.atkinseng.com

July 8, 2022

DII-NMOSE  
1900 W 2<sup>nd</sup> Street  
Roswell, NM 88201

*Hand Delivered to the DII Office of the State Engineer*

Re: Well Record CP-1919 Pod-1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, CP-1919 Pod-1.

If you have any questions, please contact me at 575.499.9244 or [lucas@atkinseng.com](mailto:lucas@atkinseng.com).

Sincerely,

A handwritten signature in black ink, appearing to read "Lucas Middleton". The signature is written in a cursive, flowing style.

Lucas Middleton

Enclosures: as noted above

OSE DII SEP 30 2022 AM 10:58



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

<b>1. GENERAL AND WELL LOCATION</b>	OSE POD NO. (WELL NO.) POD-1		WELL TAG ID NO. n/a		OSE FILE NO(S). CP-1919			
	WELL OWNER NAME(S) Ameredev Operating, LLC				PHONE (OPTIONAL) 737-300-4700			
	WELL OWNER MAILING ADDRESS 2901 Via Fortuna Suite 600				CITY Austin	STATE TX	ZIP 78746	
	WELL LOCATION (FROM GPS)	LATITUDE	DEGREES 32	MINUTES 10	SECONDS 8.46	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE	103	18	40.42	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW L4 Sec.31 T24S R36S NMPM								
<b>2. DRILLING &amp; CASING INFORMATION</b>	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 9/20/22	DRILLING ENDED 9/20/2022	DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) ±101	DEPTH WATER FIRST ENCOUNTERED (FT) n/a			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a	DATE STATIC MEASURED 9/26/2022		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	101	±6.25"	Boring-HSA	--	--	--	--
<b>3. ANNULAR MATERIAL</b>	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

OSE OIT SEP 30 2022 am 10:58

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 01/28/2022)		
FILE NO.	POD NO.	TRN NO.			
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2			





# PLUGGING RECORD



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

**I. GENERAL / WELL OWNERSHIP:**

State Engineer Well Number: CP-1919  
Well owner: Ameredev Operating, LLC Phone No.: 737-300-4700  
Mailing address: 2901 Via Fortuna Suite 600  
City: Austin State: Texas Zip code: 78746

**II. WELL PLUGGING INFORMATION:**

- 1) Name of well drilling company that plugged well: Jackie D. Atkins ( Atkins Engineering Associates Inc.)
- 2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Shane Eldridge, Cameron Pruitt
- 4) Date well plugging began: 9/26/2022 Date well plugging concluded: 9/26/2022
- 5) GPS Well Location: Latitude: 32 deg, 10 min, 8.46 sec  
Longitude: 103 deg, 18 min, 40.42 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 101 ft below ground level (bgl),  
by the following manner: water level probe
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 9/12/2022
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

USE OIT SEP 30 2022 AM 10:53

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

For each interval plugged, describe within the following columns:

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
0-10'	Hydrated Bentonite	Approx. 15 gallons	15 gallons	Augers	
10'-101'	Drill Cuttings	Approx. 145 gallons	145 gallons	Boring	

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MULTIPLY	BY	AND OBTAIN
cubic feet x	7.4805	= gallons
cubic yards x	201.97	= gallons

**III. SIGNATURE:**

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

*Jackle D. Atkins*

Signature of Well Driller

9/29/2022

Date

# 2\_CP-1919\_WellLog-packet-forsign-DTW-1

Final Audit Report

2022-09-29

Created:	2022-09-29
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAADfQXFqE5RRxScAG5FWRU5kJ1m2bXeDK

## "2\_CP-1919\_WellLog-packet-forsign-DTW-1" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)  
2022-09-29 - 9:20:23 PM GMT- IP address: 64.17.71.25
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature  
2022-09-29 - 9:21:22 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)  
2022-09-29 - 9:23:30 PM GMT- IP address: 64.90.153.232
-  Document e-signed by Jack Atkins (jack@atkinseng.com)  
Signature Date: 2022-09-29 - 9:23:50 PM GMT - Time Source: server- IP address: 64.90.153.232
-  Agreement completed.  
2022-09-29 - 9:23:50 PM GMT

05E DTI SEP 30 2022 AM 10:59

IMPORTANT — READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM.

586646

# Declaration of Owner of Underground Water Right

*W.D.D.*

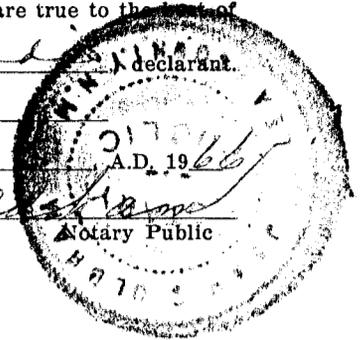
Declaration No. CP-180 Book CP-1 Date received January 4, 1966

I, W.D. Dinwiddie being first duly sworn upon my oath, depose and say that the following is a full and complete statement prepared in accordance with the instructions on the reverse side of this form and submitted in evidence of ownership of a valid underground water right, that I have carefully read each and all of the items contained therein and that the same are true to the best of my knowledge and belief.

W.D. Dinwiddie declarant

Subscribed and sworn to before me this 3rd day of January  
My commission expires February 25, 1967

James P. O'Connell



### STATEMENT

- Name of water right owner W.D.#.Dinwiddie  
of Box 302-----Jal, New Mexico  
County of Lea, State of New Mexico
- Source of water supply Shallow Water  
(state whether artesian or shallow water basin)  
located in Capitan Underground Water Basin  
(name of underground stream, valley, artesian basin, etc.)
- The well is located in the Center NW 1/4 ~~##~~ NE 1/4 SW 1/4  
of section 6, Township 25 So., Range 36 E, N.M.P.M.  
on land owned by \_\_\_\_\_
- Description of well: date drilled 1960 driller Oren Musslewhite depth 605 feet.  
diameter (outside) of casing 6" inches; original flow \_\_\_\_\_ gal. per min.;  
present flow 5 gal. per min.; ~~maximum~~ present pumping lift 350 feet;  
make and type of pump Aeromotor Windmill  
make, type, horsepower, etc., of power plant Windmill

Fractional or percentage interest claimed in well All

- Quantity of water appropriated and beneficially used \_\_\_\_\_ (feet depth or acre feet per acre)  
for Commercial and Livestock purposes
- Acreage actually irrigated and with water right \_\_\_\_\_ acres,  
located and described as follows (describe only lands actually irrigated):

Subdivision	Sec.	Twp.	Range	Acres Irrigated	Owner
Well # 8 center NW 1/4--NE 1/4--SW 1/4	6	25 So.	36 E		W.D. Dinwiddie

(Note: location of well and acreage actually irrigated must be shown on plat on reverse side.)

- Water was first applied to beneficial use 1960 and since that time has been used fully and continuously on all of the above described lands or for the above described purposes except as follows: Drilling and livestock

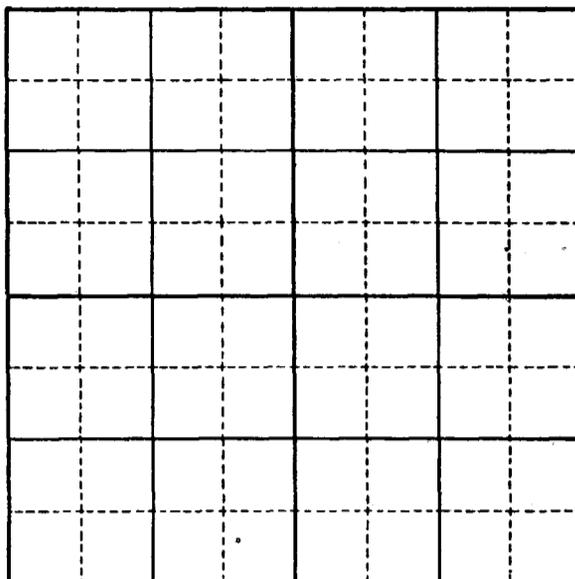
8. Additional statements or explanations \_\_\_\_\_

POD Renumbered  
From: CP-00180  
To: CP-00180-POD1

STATE ENGINEER'S OFFICE  
SANTA FE, N.M.  
JAN 15 AM 9:31  
1966

Locate well and areas actually irrigated as accurately as possible on following plat:

Section (s) \_\_\_\_\_, Township \_\_\_\_\_, Range \_\_\_\_\_ N. M. P. M.



**INSTRUCTIONS**

Declaration shall be executed (preferably typewritten) in triplicate and must be accompanied by a \$1.00 filing fee. Each of triplicate copies must be properly signed and attested.

A separate declaration must be filed for each well in use.

All blanks shall be filled out fully. Required information which cannot be sworn to by declarant shall be supplied by affidavit of person or persons familiar with the facts and shall be submitted herewith.

Secs. 1-3. Complete all blanks.

Sec. 4. Fill out all blanks applicable as fully as possible.

Sec. 5. Irrigation use shall be stated in feet depth or acre feet of water per acre applied on the land. If used for domestic, municipal, or other purposes, state total quantity in acre feet used annually.

Sec. 6. Describe only the acreage actually irrigated. When necessary to clearly define irrigated acreages, describe to nearest 2 1/2 acre subdivision. If located on unsurveyed lands, describe by legal subdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily-located natural object.

Sec. 7. Explain and give dates as nearly as possible of any years when all or part of acreage claimed was not irrigated.

Sec. 8. If well irrigates or supplies supplemental water to any other land than that described above, or if land is also irrigated from any other source, explain under this section. Give any other data necessary to fully describe water right.

If additional space is necessary, use a separate sheet or sheets and attach securely hereto.

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

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

CONDITIONS

Action 166023

**CONDITIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 166023
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jnobui	Chloride Capture Remediation Plan Approved with Conditions. OCD approves variance to analyze only for chloride. Semi-annual monitoring must be confirmed with laboratory analyzed samples at 500 ft2.	1/10/2023

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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 505167

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 505167
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2209827356
Incident Name	NAPP2209827356 PAR THREE NGL RISER 20220402-2300-WATER @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

<b>Location of Release Source</b>	
Site Name	PAR THREE NGL RISER 20220402-2300-WATER
Date Release Discovered	04/02/2022
Surface Owner	Private

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	79,956
What is the estimated number of samples that will be gathered	450
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/15/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jarad McCauley @ (413) 270-1244
Please provide any information necessary for navigation to sampling site	32.1688783,-103.3119048

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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 505167

**CONDITIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 505167
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
j_touchet	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.	9/11/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/11/2025

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

General Information  
Phone: (505) 629-6116

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

QUESTIONS

Action 505175

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 505175
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2209827356
Incident Name	NAPP2209827356 PAR THREE NGL RISER 20220402-2300-WATER @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

<b>Location of Release Source</b>	
Site Name	PAR THREE NGL RISER 20220402-2300-WATER
Date Release Discovered	04/02/2022
Surface Owner	Private

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	79,956
What is the estimated number of samples that will be gathered	450
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/16/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jarad McCauley @ (413) 270-1244
Please provide any information necessary for navigation to sampling site	32.1688783,-103.3119048

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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 505175

**CONDITIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 505175
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
j_touchet	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.	9/11/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/11/2025

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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 505177

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 505177
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2209827356
Incident Name	NAPP2209827356 PAR THREE NGL RISER 20220402-2300-WATER @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

<b>Location of Release Source</b>	
Site Name	PAR THREE NGL RISER 20220402-2300-WATER
Date Release Discovered	04/02/2022
Surface Owner	Private

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	79,956
What is the estimated number of samples that will be gathered	450
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/17/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jarad McCauley @ (413) 270-1244
Please provide any information necessary for navigation to sampling site	32.1688783,-103.3119048

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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 505177

**CONDITIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 505177
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
j_touchet	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.	9/11/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/11/2025

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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 505179

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 505179
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2209827356
Incident Name	NAPP2209827356 PAR THREE NGL RISER 20220402-2300-WATER @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

<b>Location of Release Source</b>	
Site Name	PAR THREE NGL RISER 20220402-2300-WATER
Date Release Discovered	04/02/2022
Surface Owner	Private

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	79,956
What is the estimated number of samples that will be gathered	450
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/18/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jarad McCauley @ (413) 270-1244
Please provide any information necessary for navigation to sampling site	32.1688783,-103.3119048

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CONDITIONS

Action 505179

**CONDITIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 505179
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
j_touchet	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.	9/11/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/11/2025

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QUESTIONS

Action 505181

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 505181
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2209827356
Incident Name	NAPP2209827356 PAR THREE NGL RISER 20220402-2300-WATER @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

<b>Location of Release Source</b>	
Site Name	PAR THREE NGL RISER 20220402-2300-WATER
Date Release Discovered	04/02/2022
Surface Owner	Private

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	79,956
What is the estimated number of samples that will be gathered	450
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/19/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jarad McCauley @ (413) 270-1244
Please provide any information necessary for navigation to sampling site	32.1688783,-103.3119048

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CONDITIONS

Action 505181

**CONDITIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 505181
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
j_touchet	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.	9/11/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/11/2025

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QUESTIONS

Action 529511

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 529511
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2209827356
Incident Name	NAPP2209827356 PAR THREE NGL RISER 20220402-2300-WATER @ M-31-24S-36E
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	PAR THREE NGL RISER 20220402-2300-WATER
Date Release Discovered	04/02/2022
Surface Owner	Private

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water 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	Yes
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Flow Line - Production   Produced Water   Released: 511 BBL   Recovered: 220 BBL   Lost: 291 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	The extent of the release was mapped on 04/06/2022 and the volume of the release was determined to be greater than 25 bbls and intercepted a watercourse (dry drainage); at which time NMOCD was notified.

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QUESTIONS, Page 2

Action 529511

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 529511
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (2) an unauthorized release of a volume that: (b) may with reasonable probability reach a watercourse.</b>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

**Initial Response**

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

The source of the release has been stopped	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: Jason Touchet Title: EHS Field Rep Email: <a href="mailto:jason.touchet@matadorresources.com">jason.touchet@matadorresources.com</a> Date: 11/24/2025
--	--

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QUESTIONS, Page 3

Action 529511

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 529511
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Zero feet, overlying, or within area
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 ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Zero feet, overlying, or within area
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 200 and 300 (ft.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	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
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

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

Chloride (EPA 300.0 or SM4500 Cl B)	3600
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	09/15/2025
On what date will (or did) the final sampling or liner inspection occur	09/18/2025
On what date will (or was) the remediation complete(d)	09/18/2025
What is the estimated surface area (in square feet) that will be reclaimed	23734
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	23734
What is the estimated volume (in cubic yards) that will be remediated	0

*These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed. The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.*

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QUESTIONS, Page 4

Action 529511

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 529511
	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 <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Yes
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: Jason Touchet Title: EHS Field Rep Email: <a href="mailto:jason.touchet@matadorresources.com">jason.touchet@matadorresources.com</a> Date: 11/24/2025
--	--

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

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QUESTIONS, Page 5

Action 529511

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 529511
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

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QUESTIONS, Page 6

Action 529511

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 529511
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	<b>505181</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>09/19/2025</b>
What was the (estimated) number of samples that were to be gathered	<b>450</b>
What was the sampling surface area in square feet	<b>79956</b>

**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	23734
What was the total volume (cubic yards) remediated	0
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	23734
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Based on the remedial actions completed to date and a depth to groundwater greater than 101 feet bgs, Matador believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2209827356.

*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: Jason Touchet Title: EHS Field Rep Email: <a href="mailto:jason.touchet@matadorresources.com">jason.touchet@matadorresources.com</a> Date: 11/24/2025
--	--

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QUESTIONS, Page 7

Action 529511

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 529511
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

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CONDITIONS

Action 529511

**CONDITIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 529511
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
nvez	None	2/9/2026