

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

Location of Release Source	
<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

Incident Details	
<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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	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)

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QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by 19.15.29.7(A) NMAC	Yes, major release.
Reasons why this would be considered a submission for a notification of a major release	<ul style="list-style-type: none"> Unauthorized release of a volume, excluding gases, of 25 barrels or more This release reached or has a reasonable probability of reaching a watercourse
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.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

Per 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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ACKNOWLEDGMENTS

Action 96899

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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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CONDITIONS

Action 96899

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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			
Input	volume of affected soil	[feet^3]	46728.52
Input	Porosity: typically is .35 to .40 for most soils	[-]	0.35
Input	Proportion of porosity filled with release fluid [0,1]	[-]	0.10
Output	volume of fluid	[feet^3]	1635.5
		[gal]	12234.4
		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? <u>Plates 2a & 2b</u>	<u>>100</u> (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? <u>Plate 4</u>	<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)? <u>Plate 4</u>	<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? <u>Plate 5</u>	<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? <u>Plate 3</u>	<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? <u>Plate 4</u>	<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? <u>Plate 3</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland? <u>Plate 6</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine? <u>Plate 7</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology? <u>Plate 8</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain? <u>Plate 9</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not 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 ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

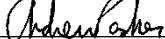
If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods,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

State of New Mexico
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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 ParkerTitle: Env. ScientistSignature: Date: August 24, 2022email: aparker@ameredev.comTelephone: 970-570-9535**OCD Only**Received by: Jocelyn HarimonDate: 08/24/2022

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Facility ID	
Application ID	

Remediation Plan

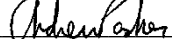
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ 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 ParkerTitle: Env. ScientistSignature: Date: August 24, 2022email: aparker@ameredev.comTelephone: 970-570-9535**OCD Only**Received by: Jocelyn Harimon Date: 08/24/2022☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature: 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.

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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-95¹. 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:

¹ 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.

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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: 8/31/2022 9:50:35 AM



Amerdev II, LLC

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 ≤ 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: 8/31/2022 9:50:35 AM

Incident ID: nAPP2209827356

Par Three NGL Riser

AEP #: 20220402-2300-water

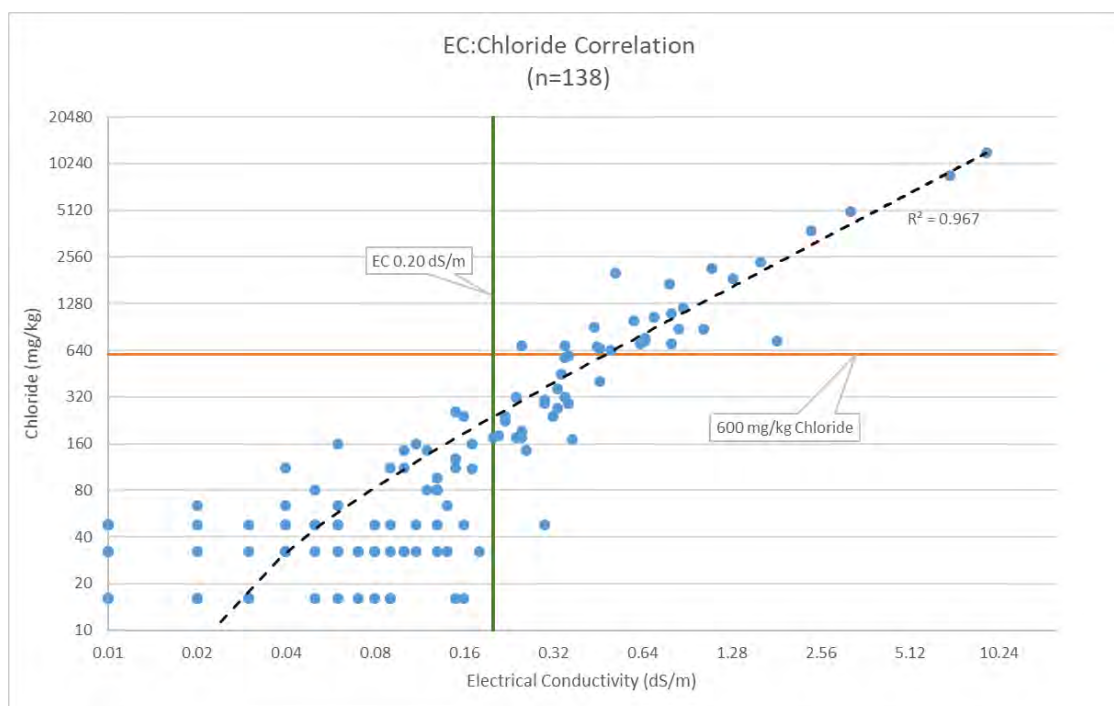


Figure 3: EC vs Chloride. Soil samples with an EC < 0.2 mS/cm (dS/m) are likely to exhibit chloride concentrations below 600 mg/kg.

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”² that states sample sizes should be no more than 10% of the population (excavation extent area) as long as it does not exceed 1,000³. 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.

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

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

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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



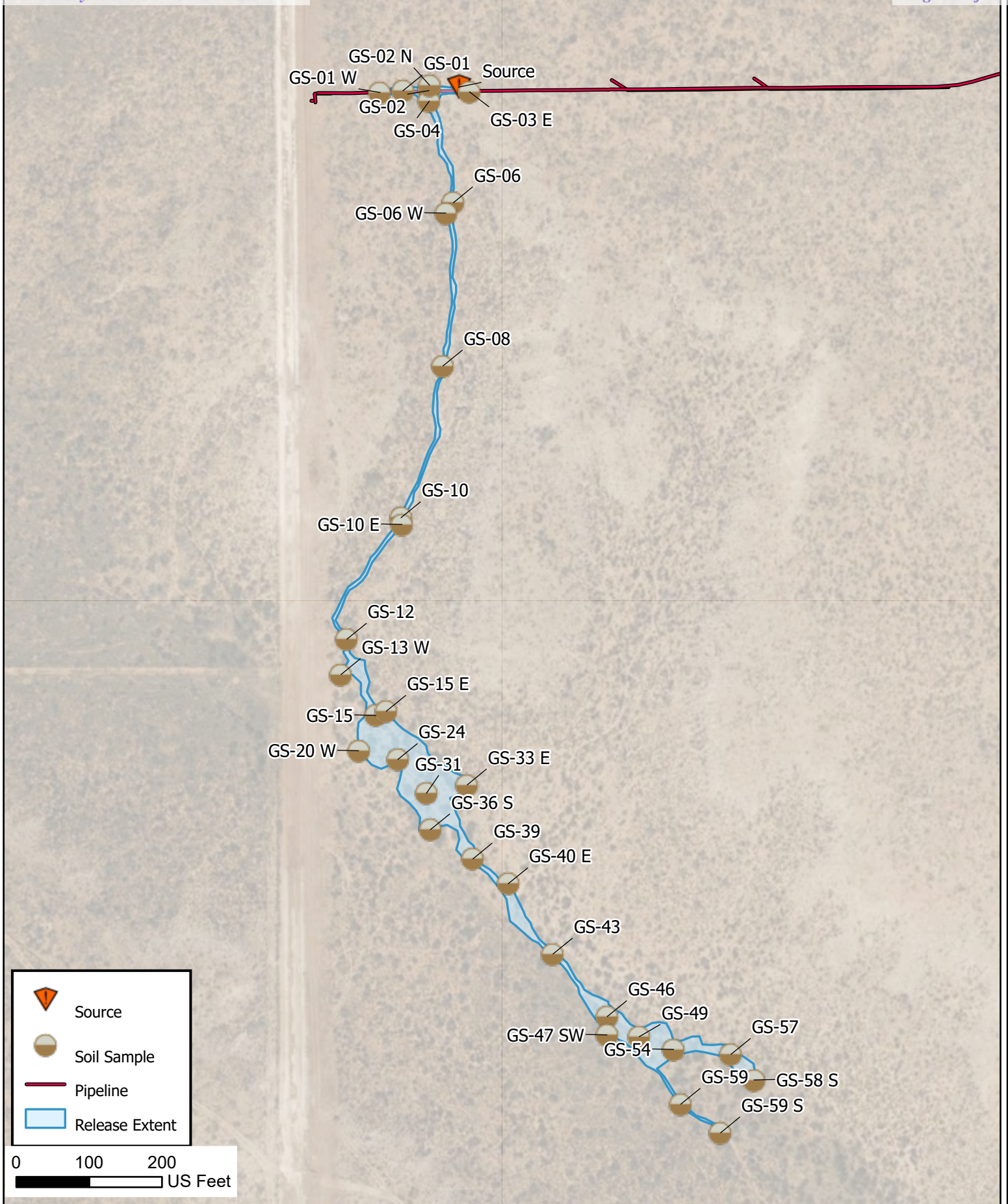
Andrew Parker
Env. Scientist

08/24/2022

Plates

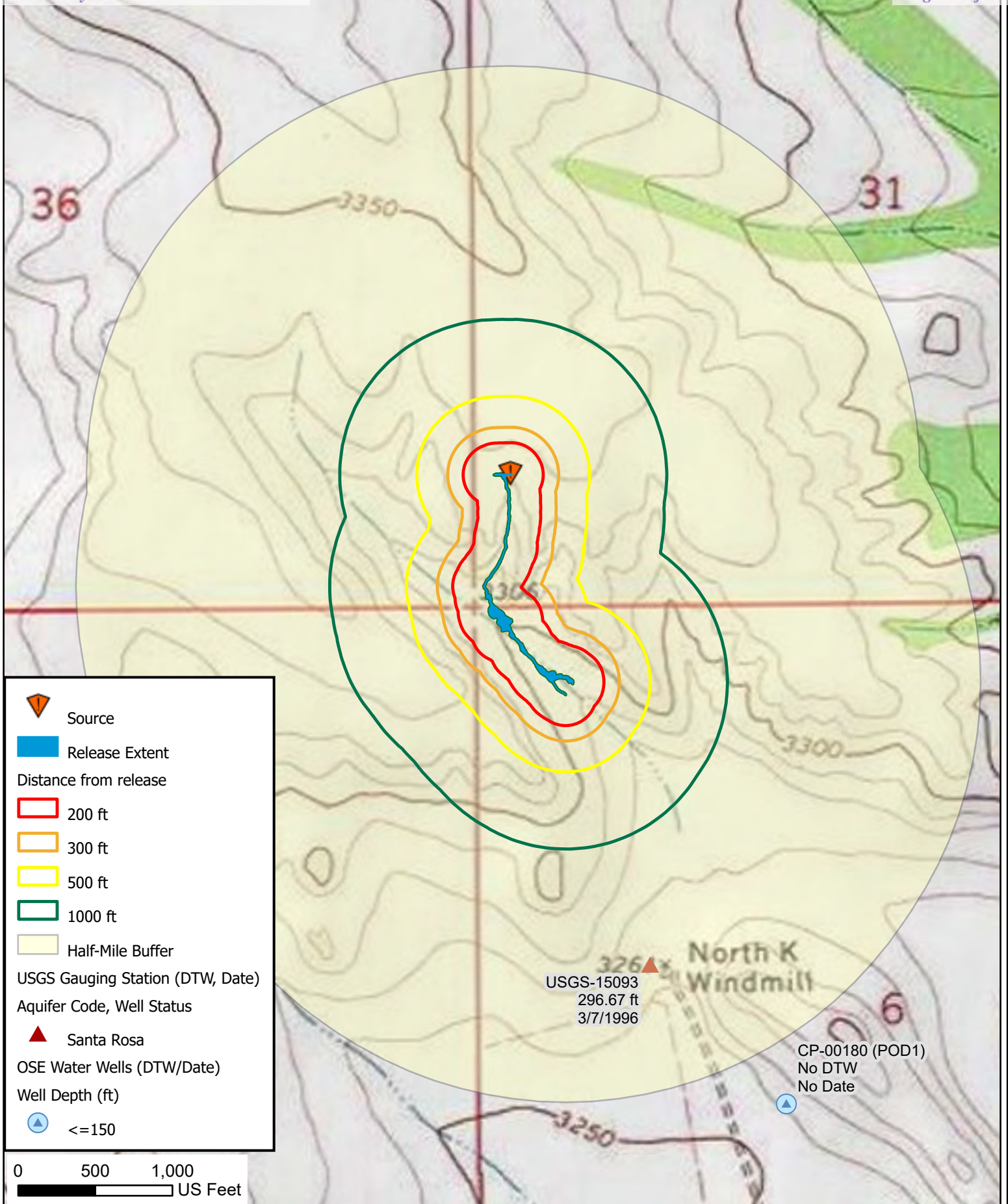


Ameredev II, LLC



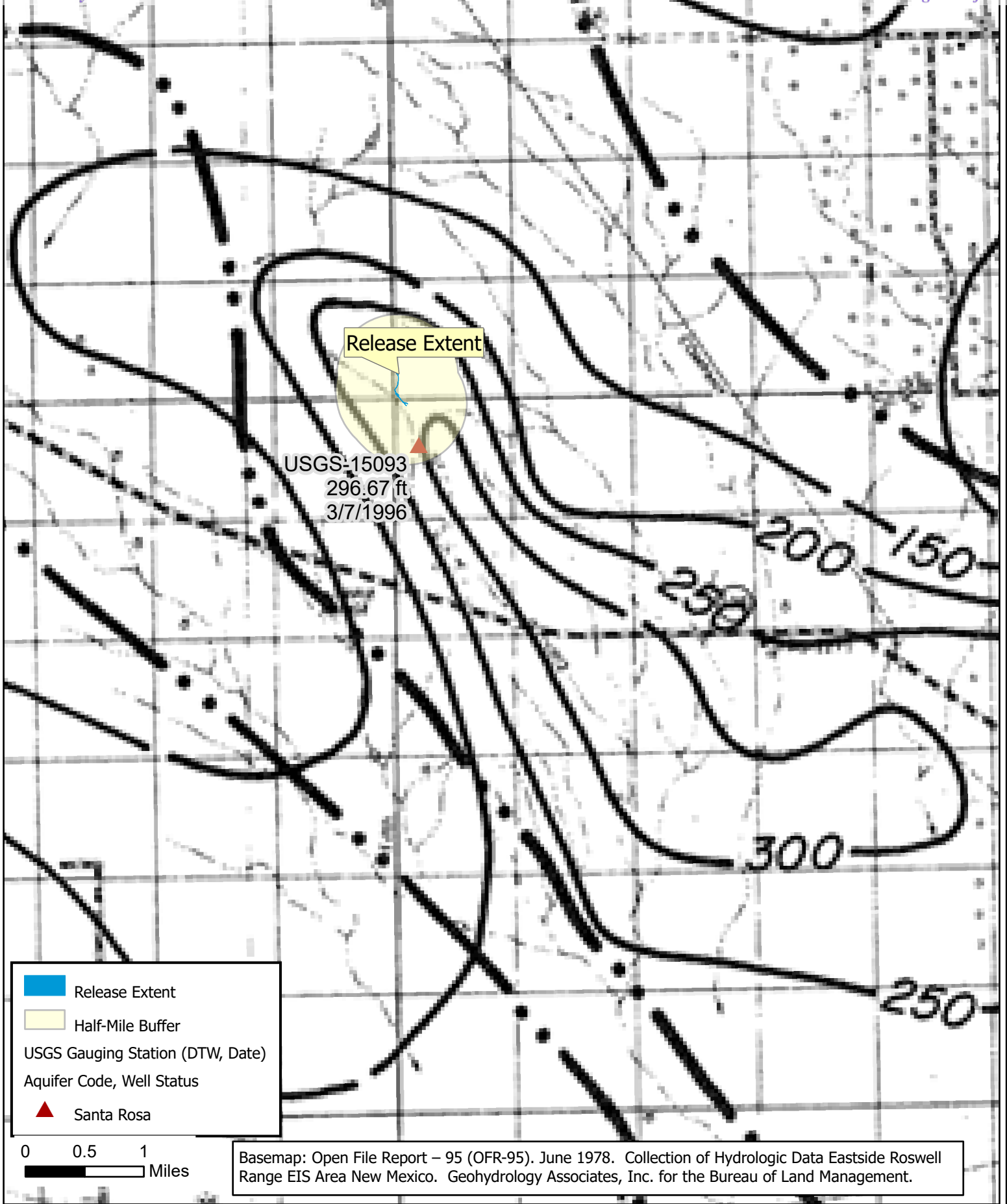
Site Map Par Three NGL Riser
Incident ID: nAPP2209827356 AEP #: 20220402-2300-water

Plate 1
08/24/2022



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

Plate 2a
06/27/2022

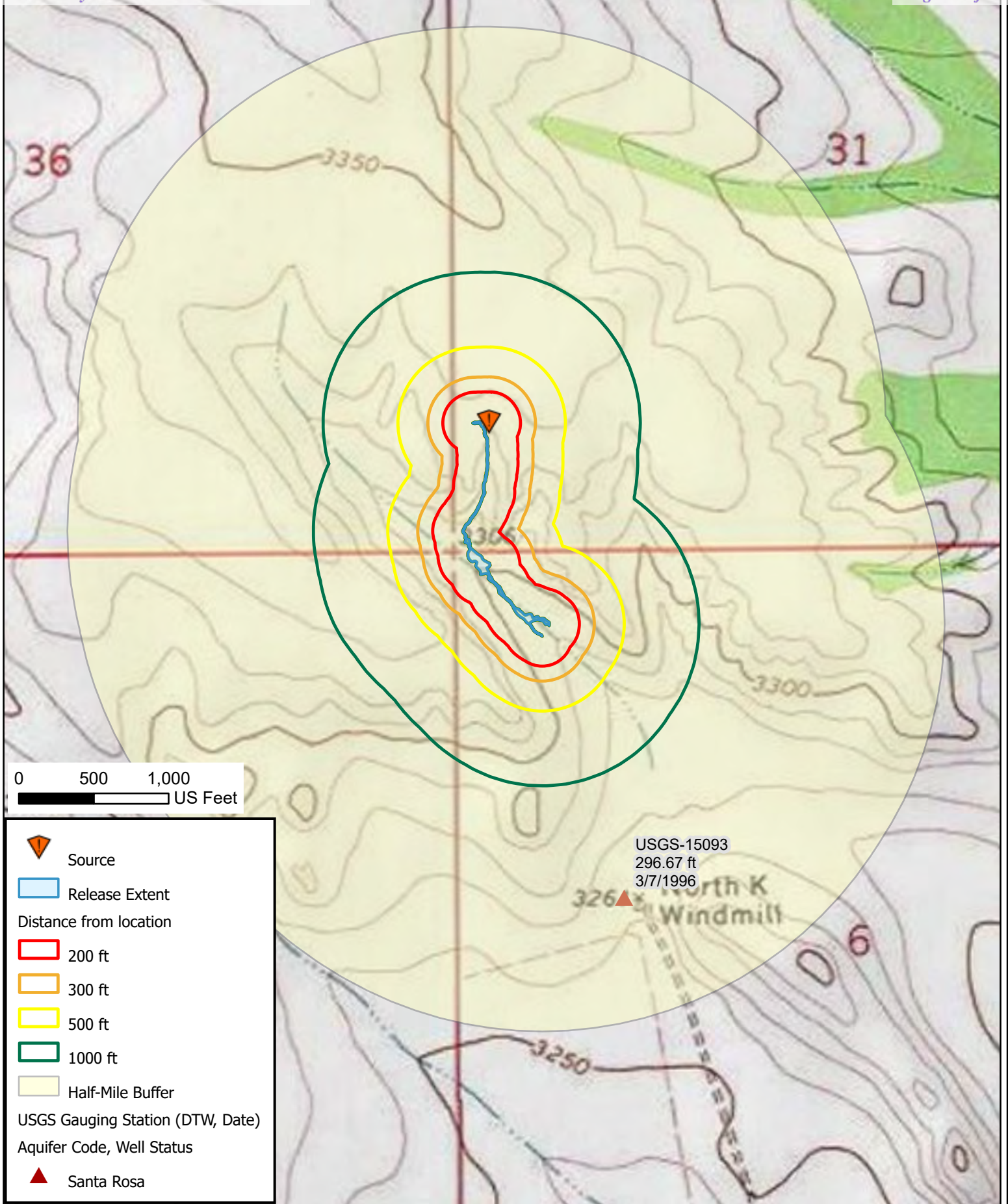


Depth-to-Water Isocontours
Par Three NGL Riser

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

Plate 2b

06/27/2022

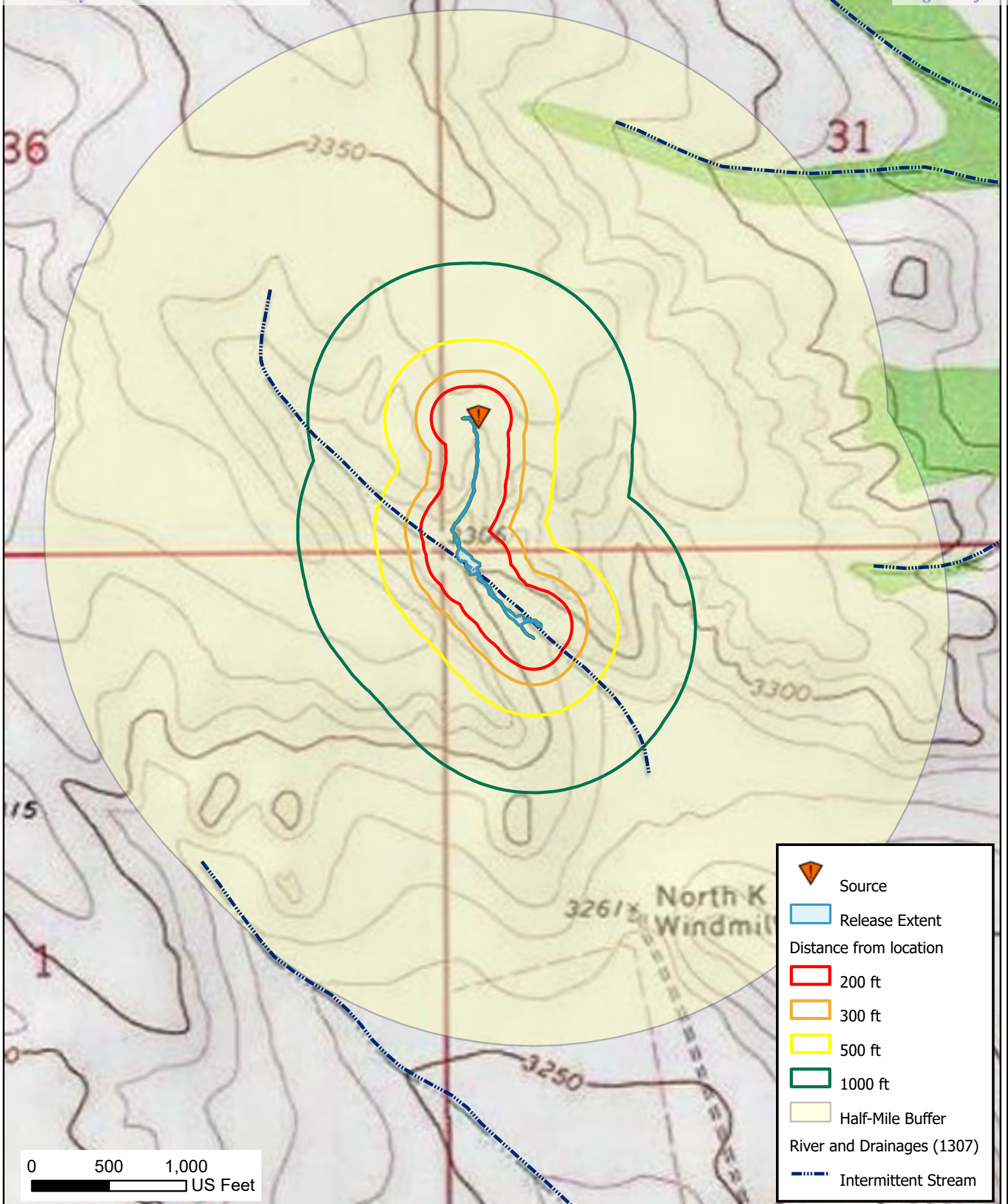


Wellhead Protection
Par Three NGL Riser

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

Plate 3

06/08/2022

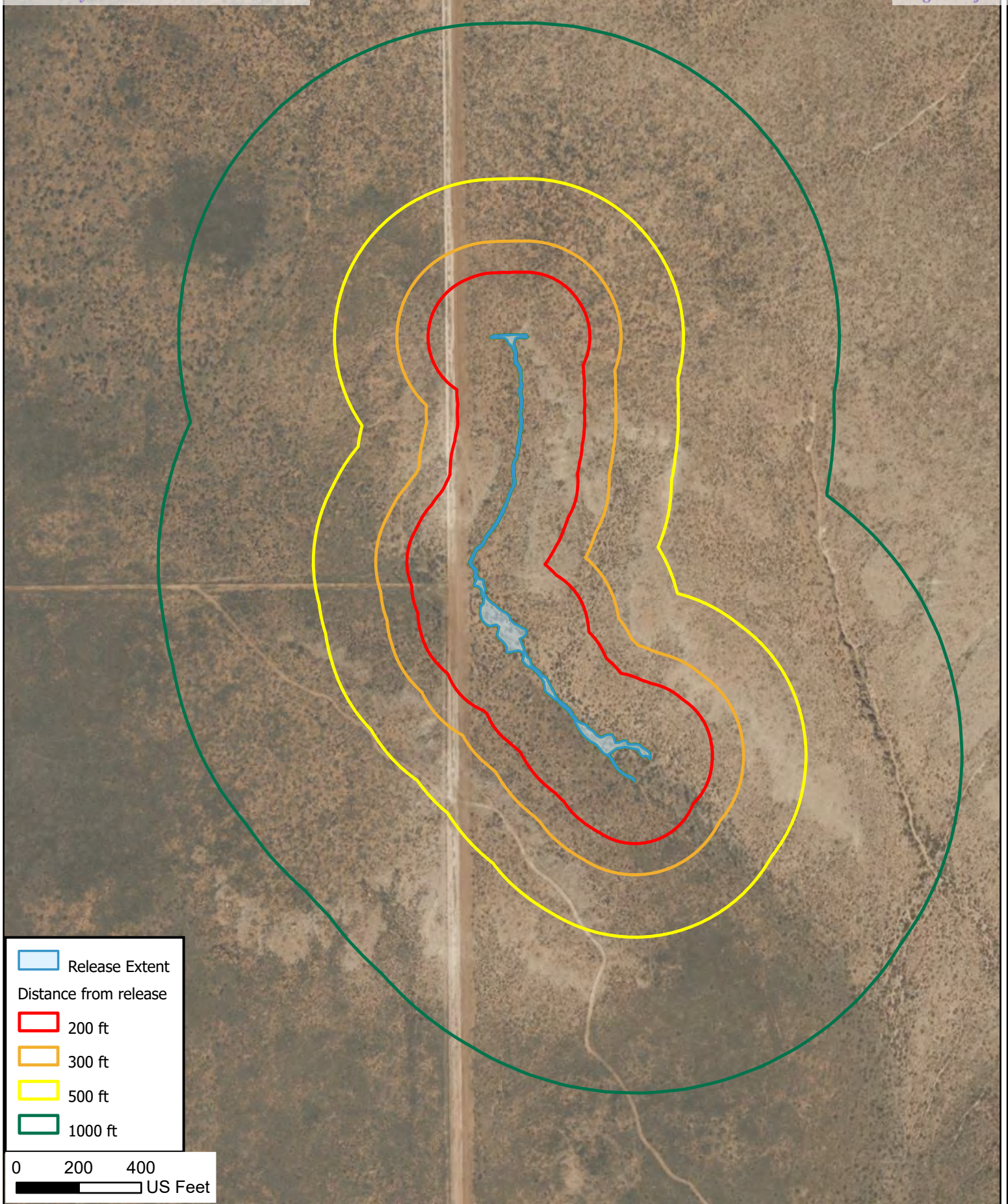


Significant Watercourses
Par Three NGL Riser

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

Plate 4

06/09/2022



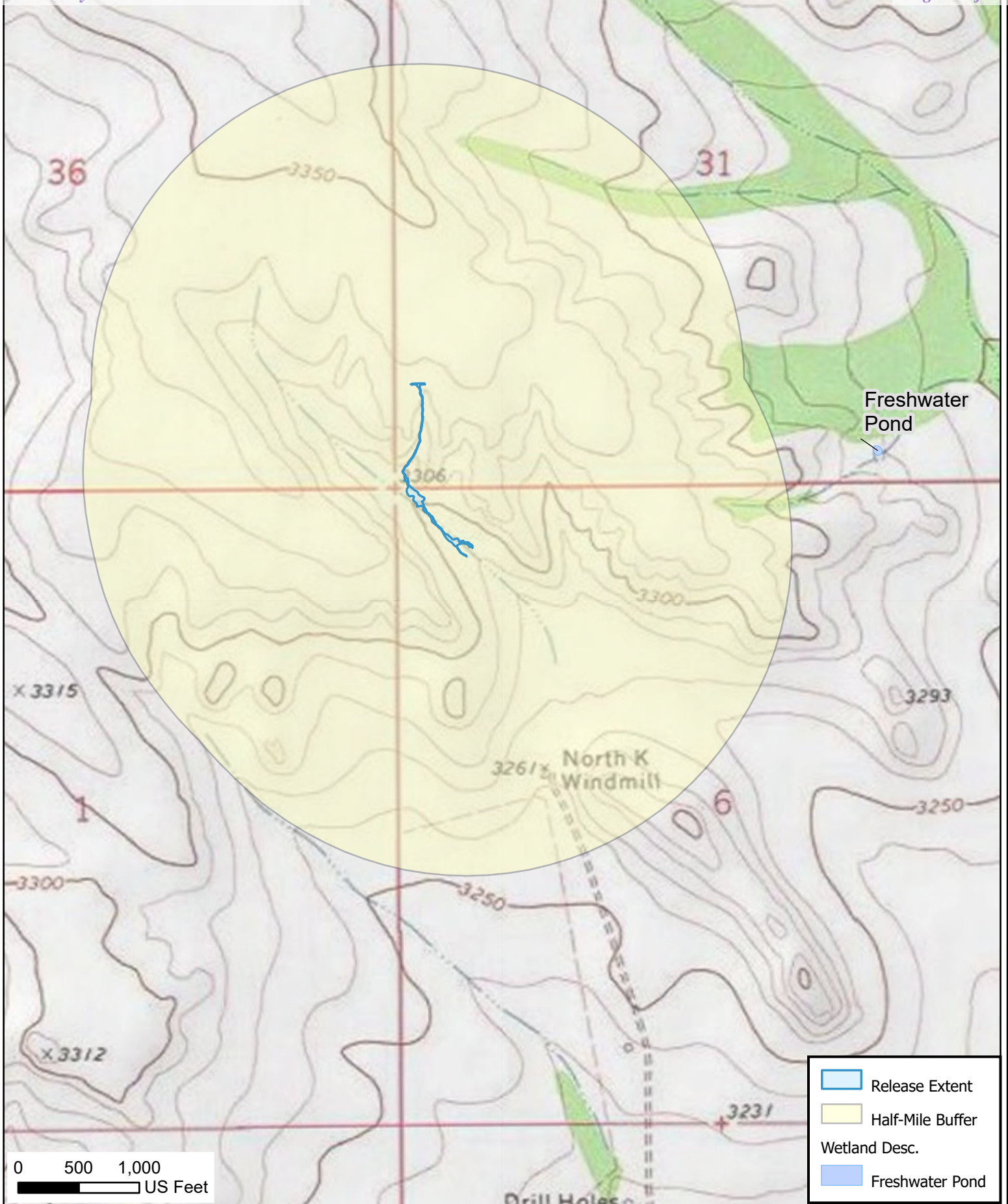
- Release Extent
- Distance from release
- 200 ft
 - 300 ft
 - 500 ft
 - 1000 ft

0 200 400
US Feet



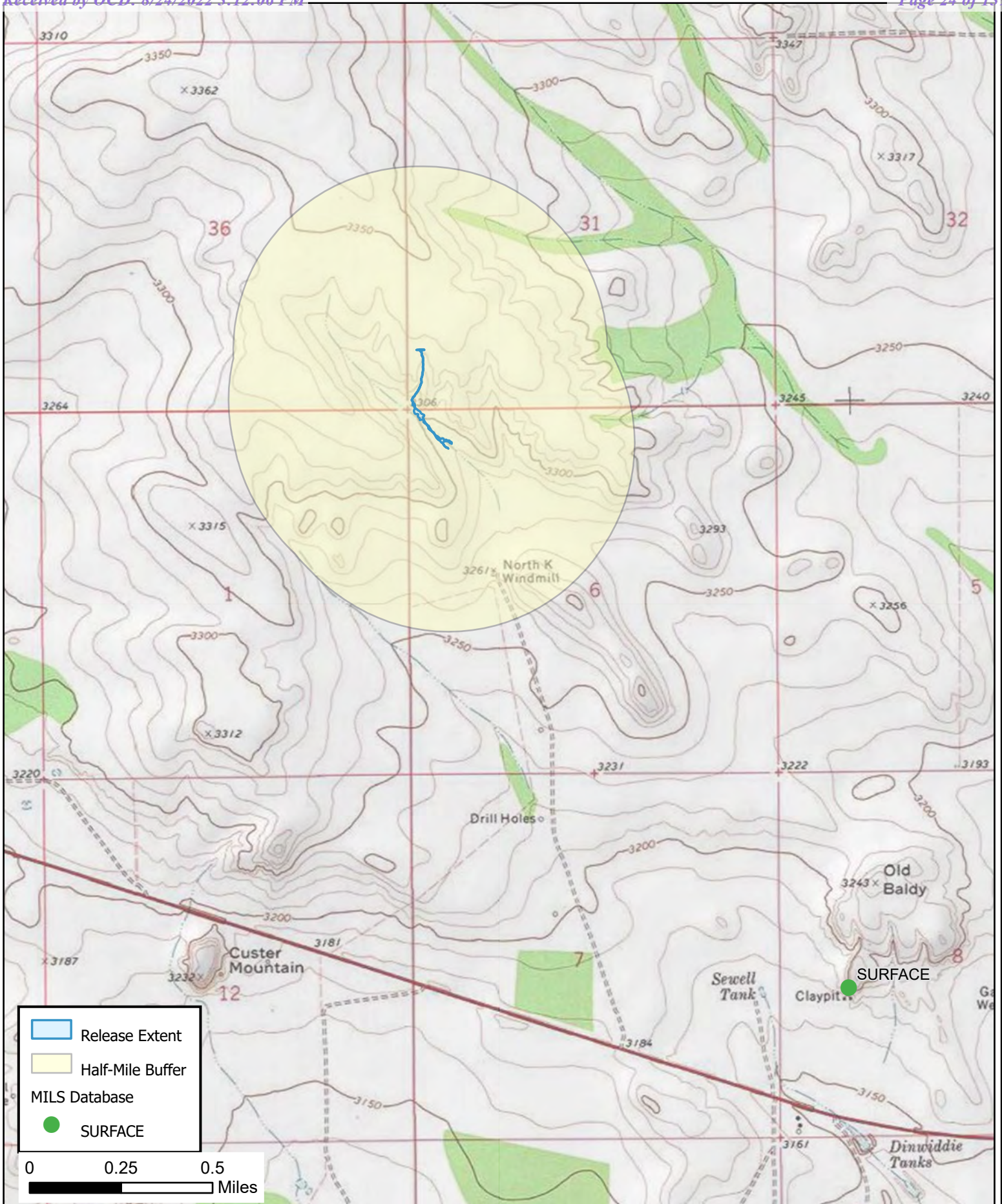
Nearby Structures
Par Three NGL Riser
Incident ID: nAPP2209827356
AEP #: 20220402-2300-water

Plate 5
06/09/2022



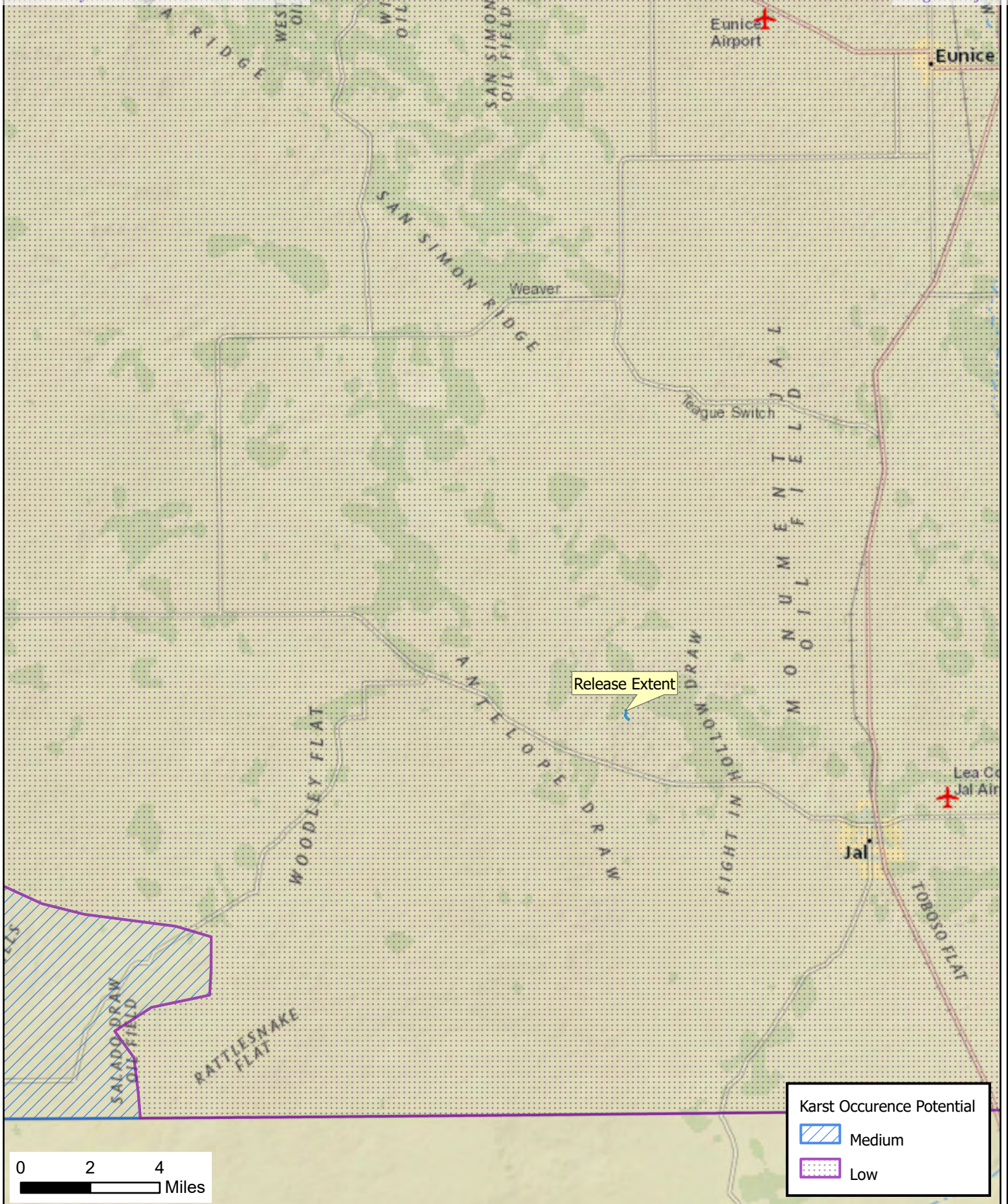
Wetlands
Par Three NGL Riser
Incident ID: nAPP2209827356
AEP #: 20220402-2300-water

Plate 6
06/09/2022



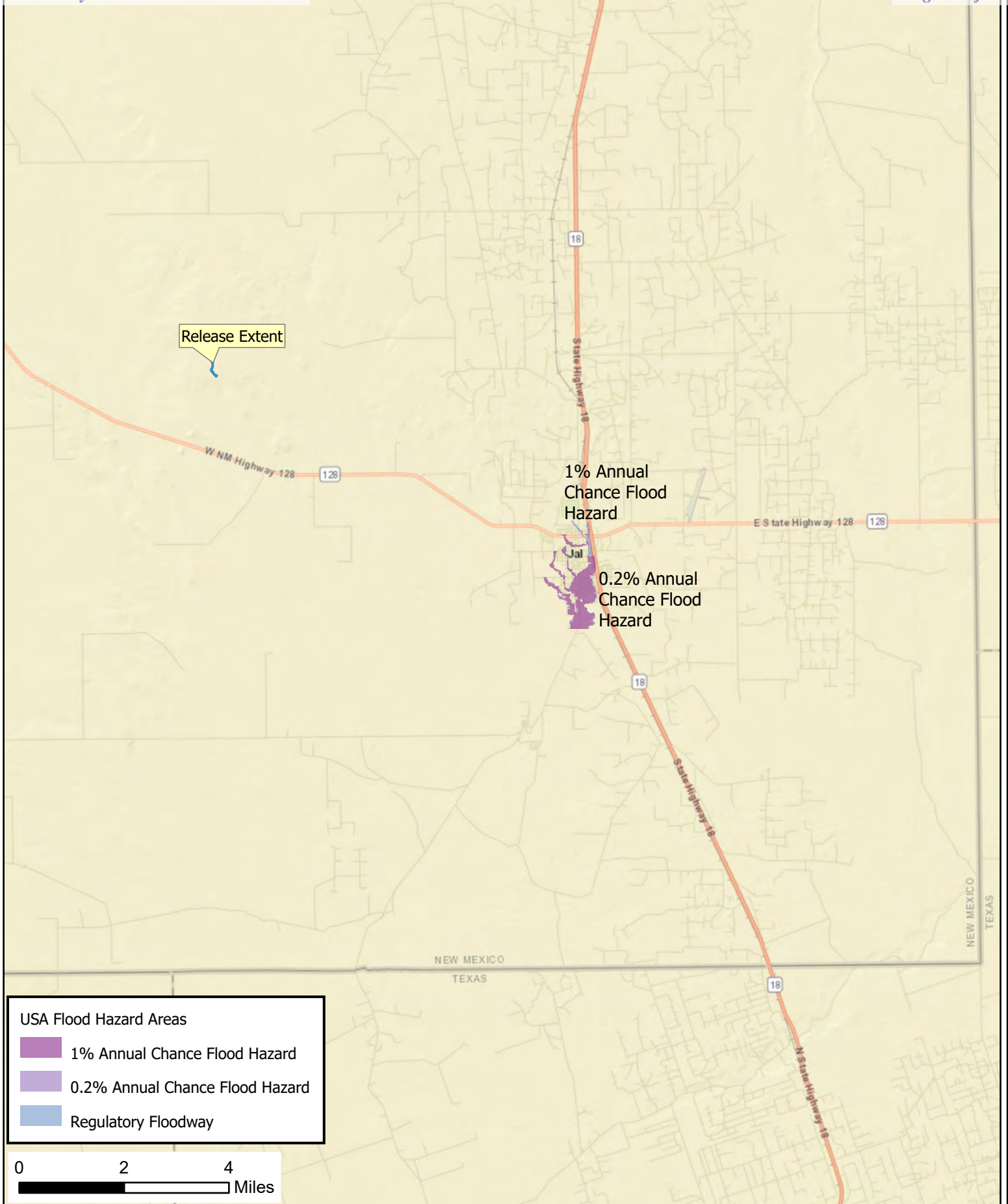
Mines and Minerals
Par Three NGL Riser
Incident ID: nAPP2209827356
AEP #: 20220402-2300-water

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

0 2 4 Miles

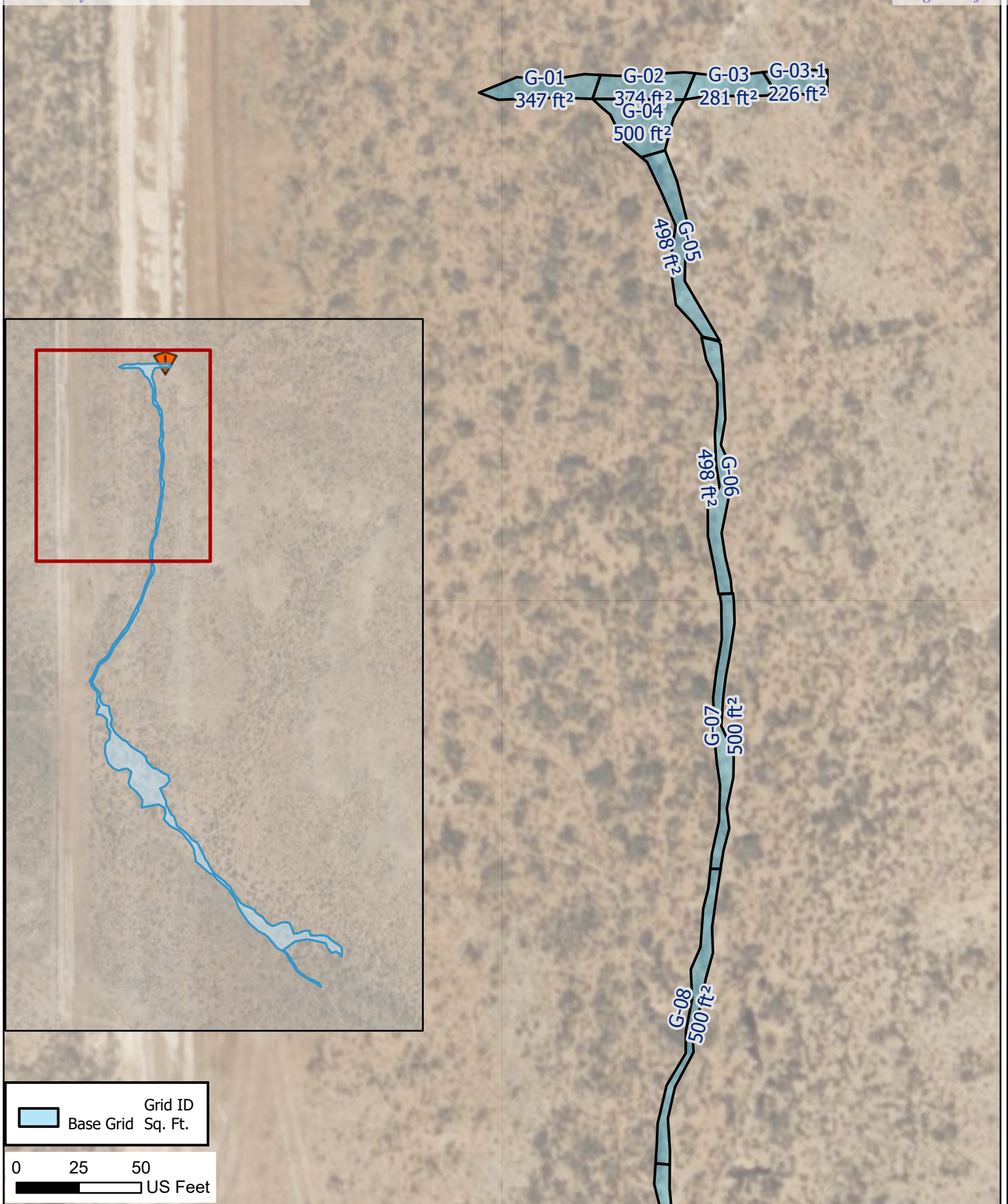


Flood Hazards
Par Three NGL Riser

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

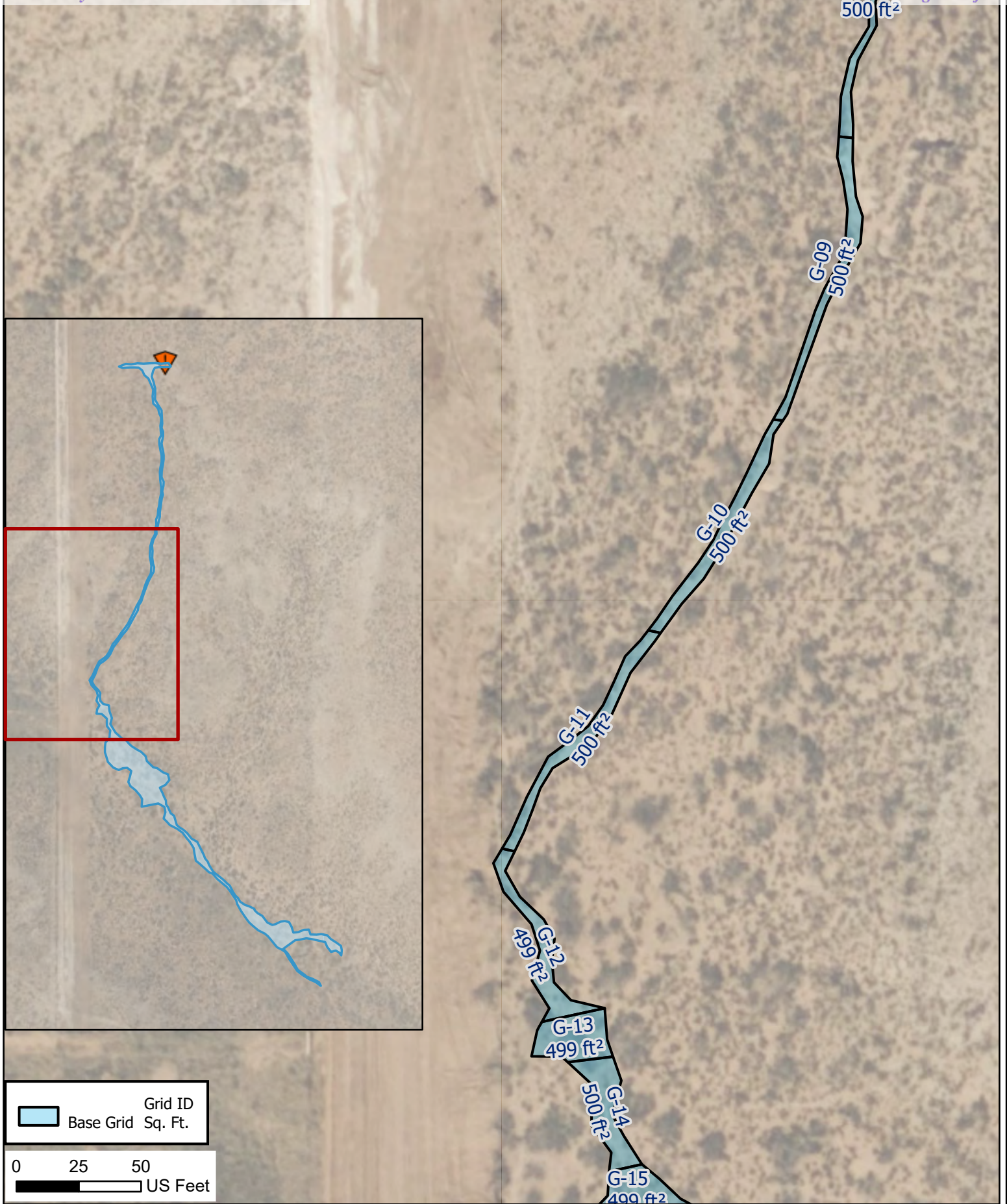
Plate 9

06/09/2022



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

Plate 10a
Revised
08/20/2022

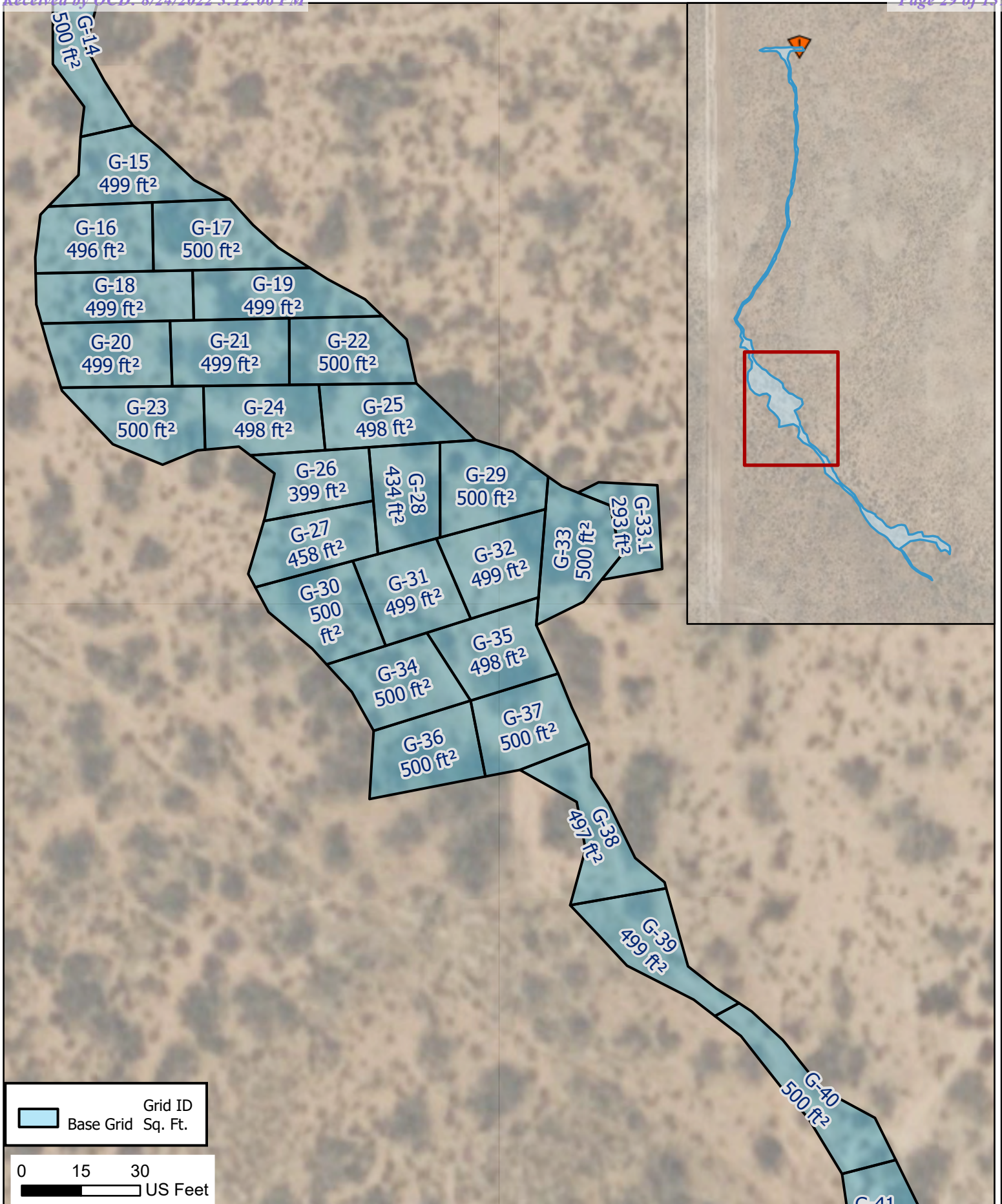


Base Grid - North Central Quarter
Par Three NGL Riser

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

Plate 10b

06/27/2022

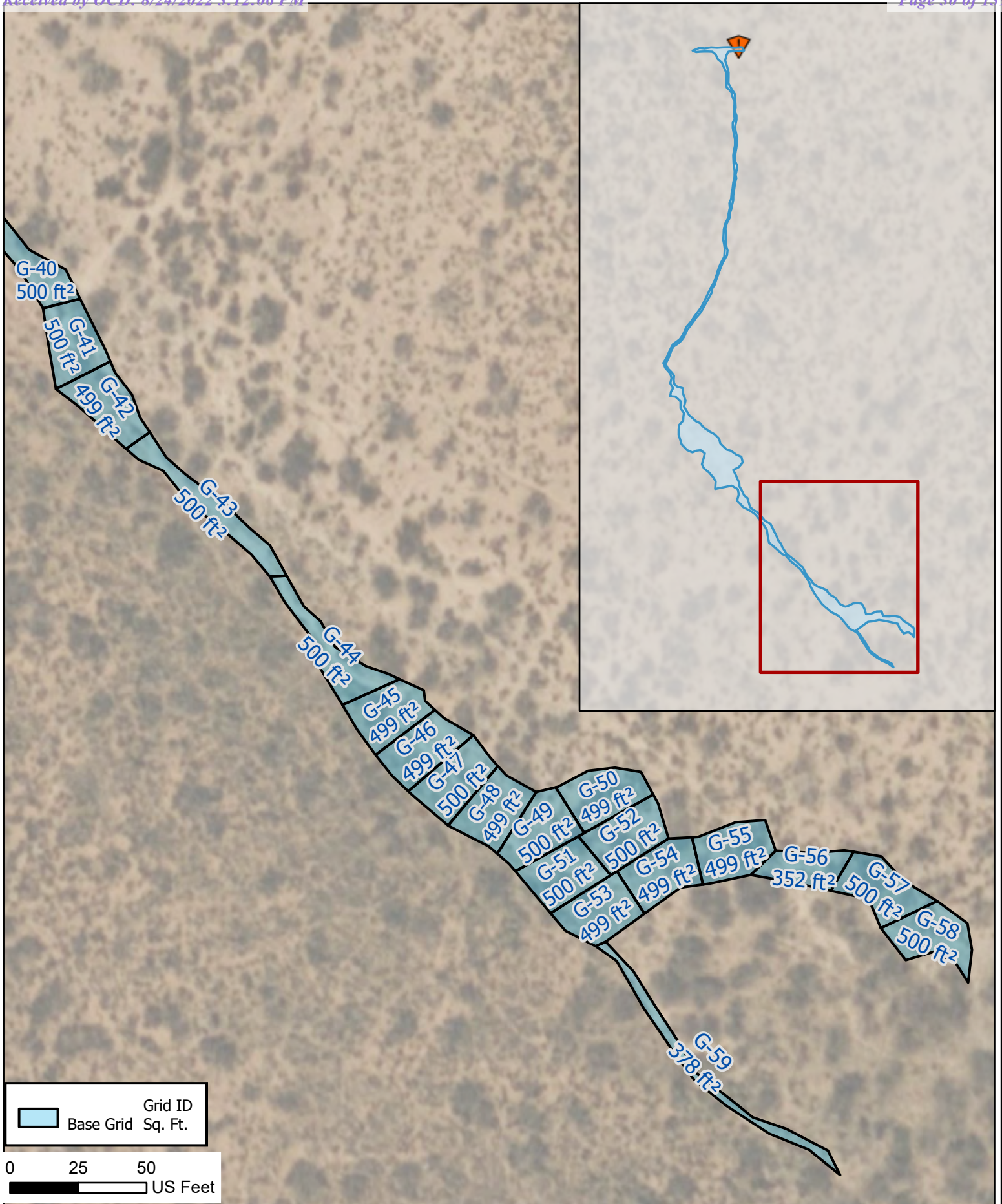


Base Grid - South Central Quarter
Par Three NGL Riser

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

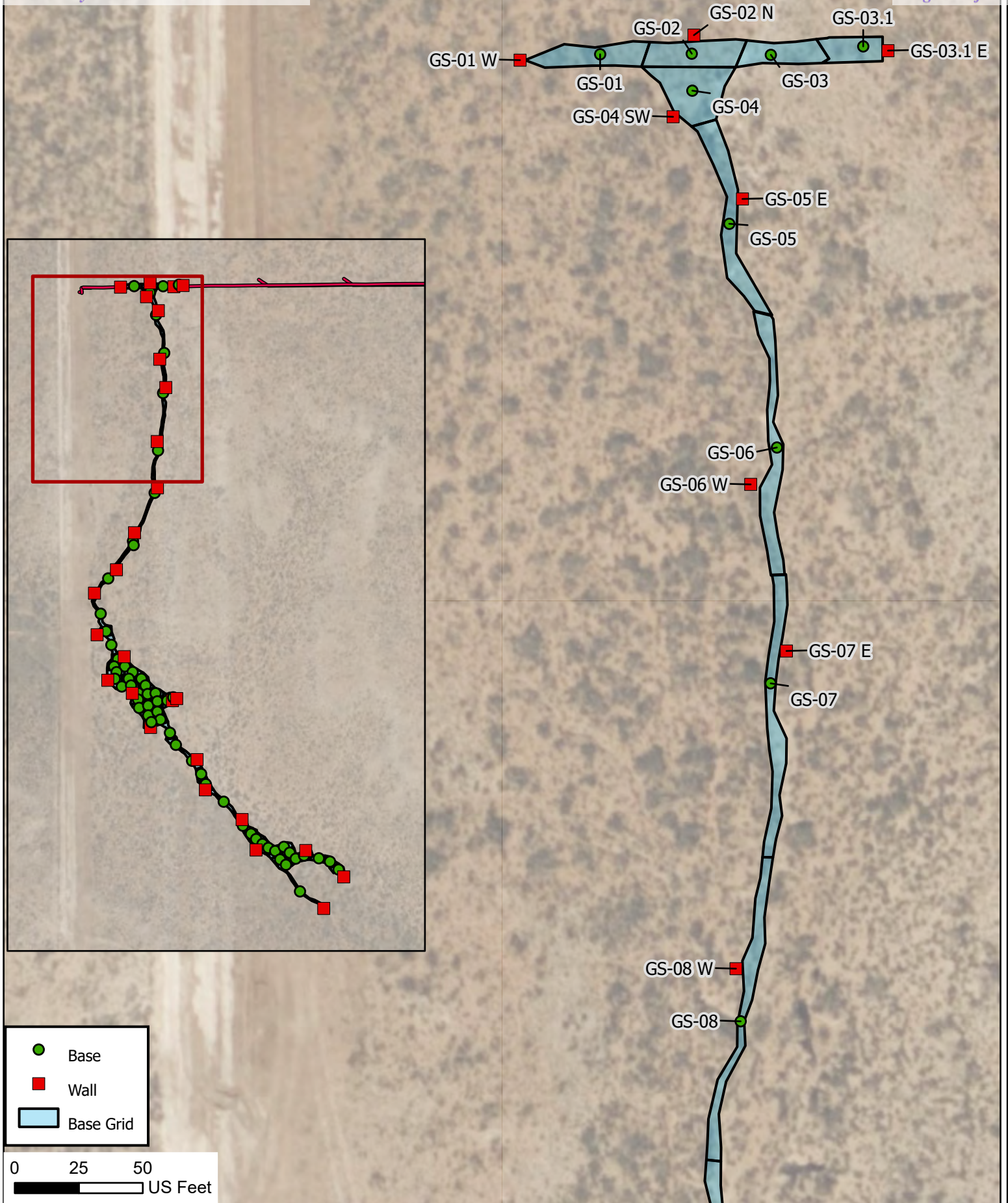
Plate 10c
Revised

08/20/2022



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

Plate 10d
06/27/2022

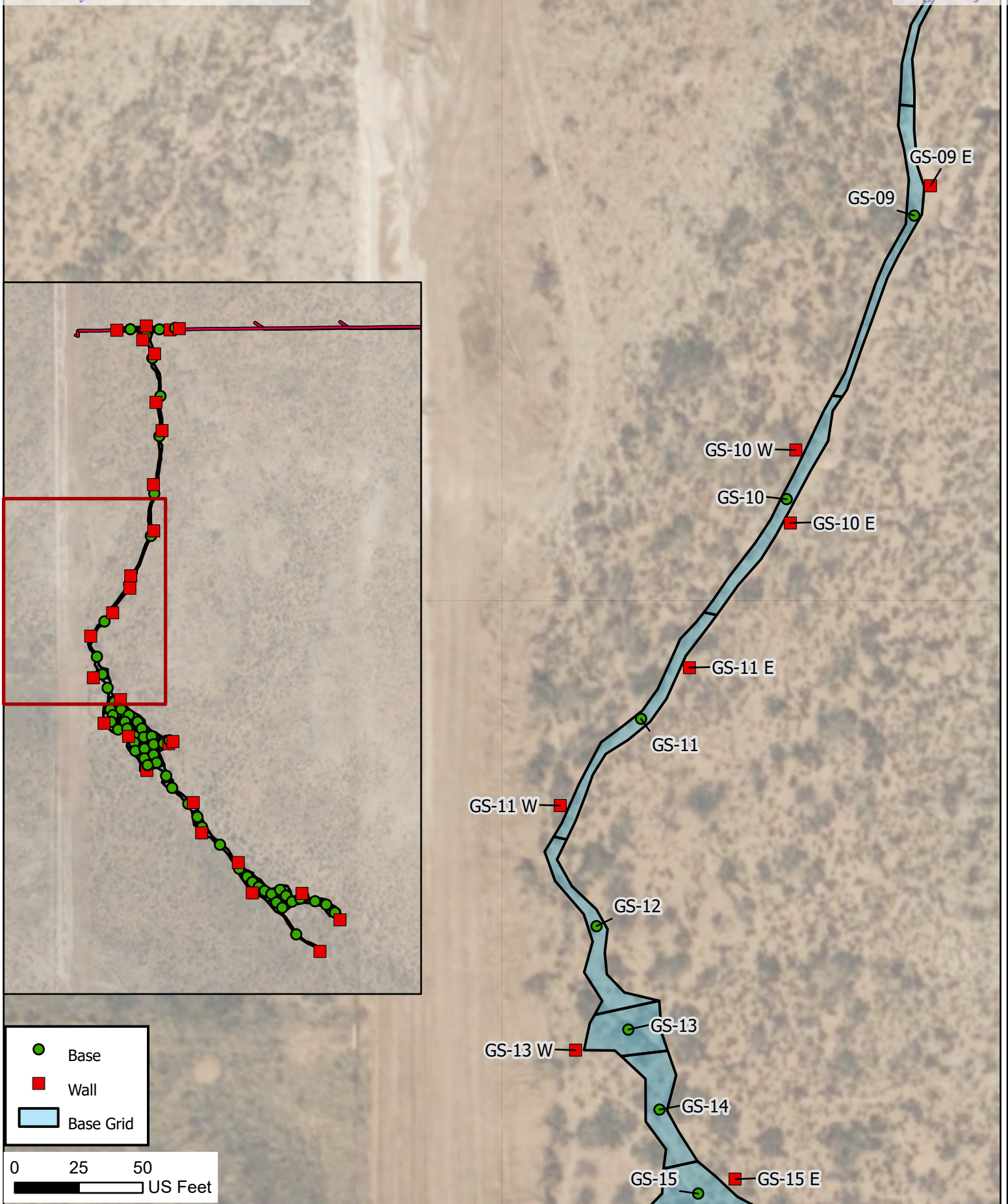


Proposed Sample Locations- North Quarter
Par Three NGL Riser

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

Plate 11a
Revised

08/20/2022

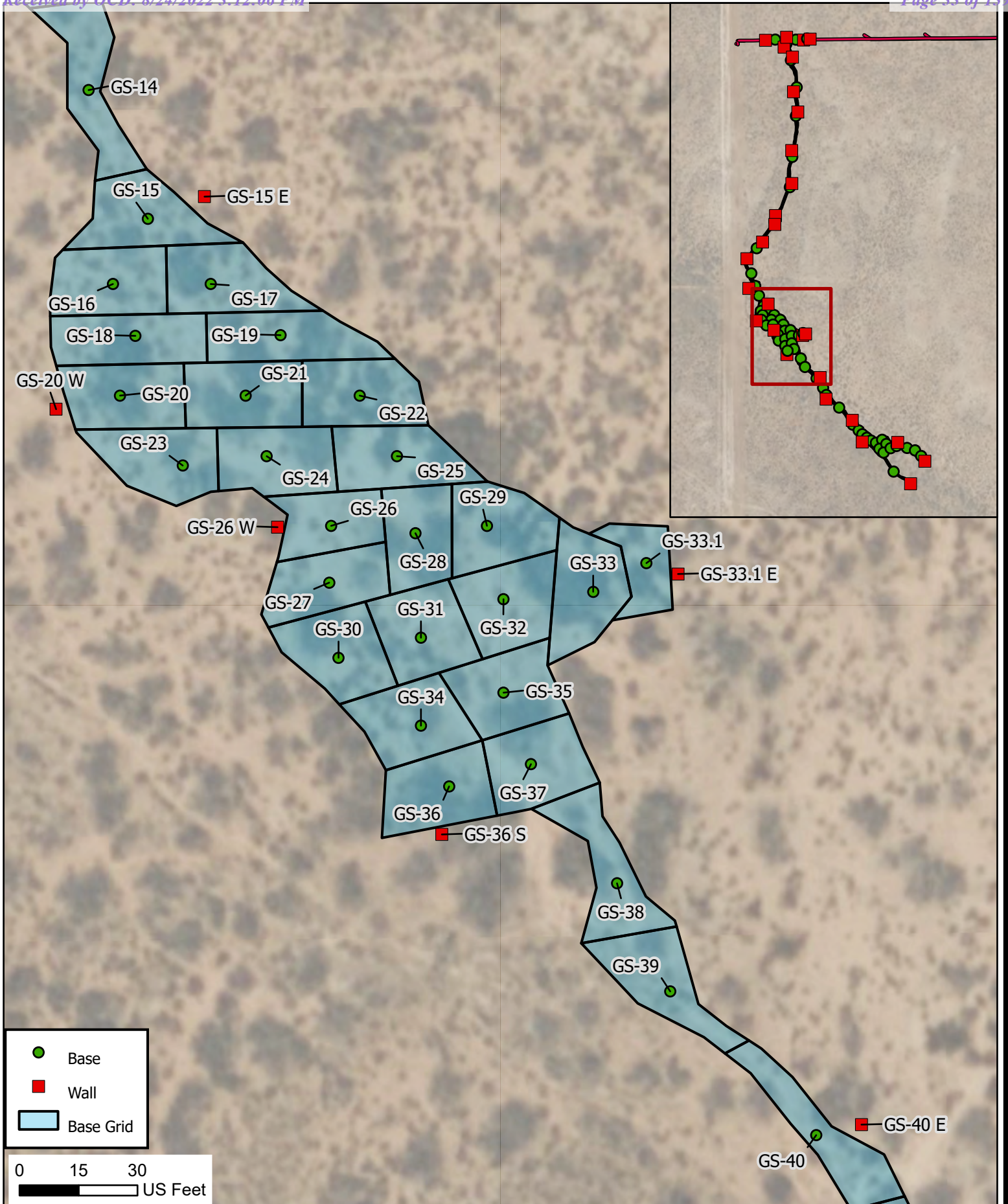


Proposed Sample Locations- North Central Quarter
Par Three NGL Riser

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

Plate 11b
Revised

08/20/2022

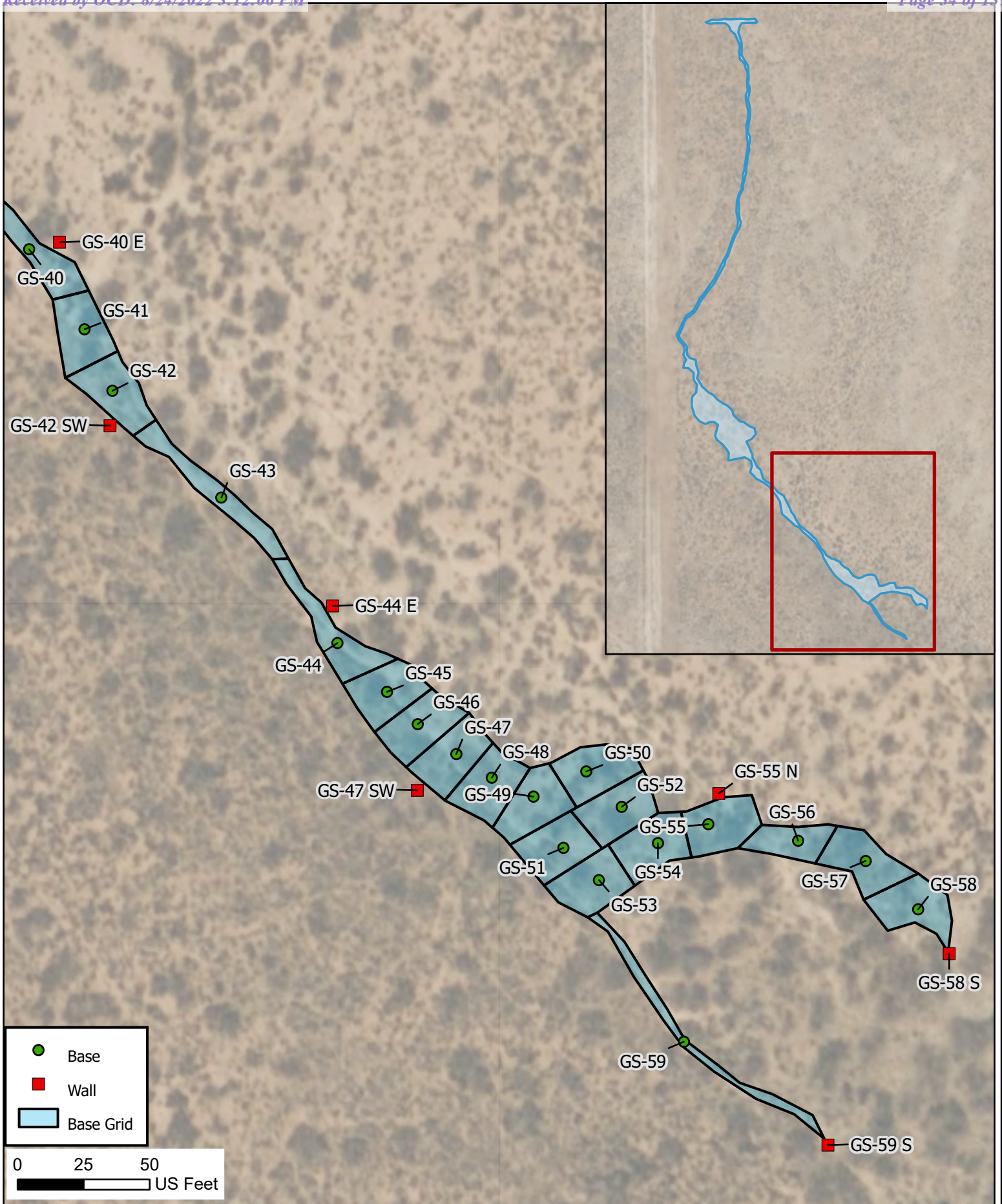


Proposed Sample Locations- South Central Quarter
Par Three NGL Riser

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	Lab #
													(Hall/Cardinal)	
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)

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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

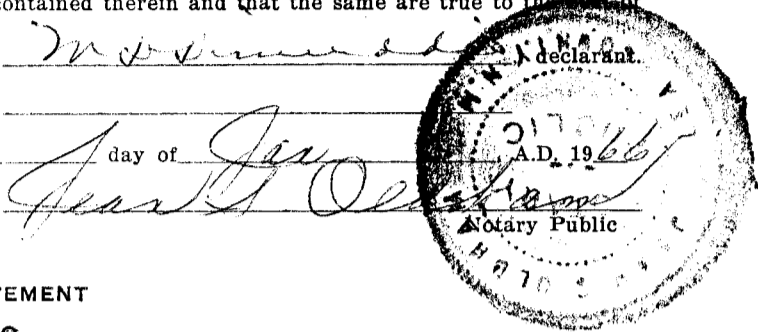
IMPORTANT — READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM.

Declaration of Owner of Underground Water Right

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.

Subscribed and sworn to before me this 3rd day of Jan
MY COMMISSION EXPIRES FEBRUARY 28, 1967
My commission expires



STATEMENT

- 1. Name of water right owner W.D.#.Dinwiddie of Box 302-----Jal, New Mexico County of Lea, State of New Mexico
- 2. 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.)
- 3. 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
- 4. 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.; 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

- 5. Quantity of water appropriated and beneficially used (feet depth or acre feet per acre) for Commercial and Livestock
- 6. Acreage actually irrigated and with water right 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.)

- 7. 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

From: CP - 00180
To: CP-00180-P001

POD Renumbered

STATE ENGINEER'S OFFICE
SANTA FE, N.M.
JAN 16 AM 10:31
1967

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 2½ 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 303
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

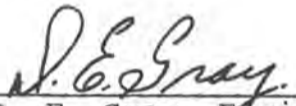
MEMORANDUM

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 EXCISE OFFICE
SANTA FE, N.M.

ECB*ojl
encl.
ECB


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 $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ 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
E. C. Barry
Basin Supervisor

ECB*ojl
cc: Santa Fe

*No commercial use presently
Livestock only*
not

1966 DEC -2 PM 2:49
STATE ENGINEER OFFICE
SANTA FE, 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

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



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

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**

Chloride	48.0		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)			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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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
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

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**

Chloride	80.0		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)	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	

Surrogate: 1-Chlorooctane	81.1 %	43-149	2081516	MS	16-Aug-22	8015B	
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Surrogate: 1-Chlorooctadecane	96.4 %	42.5-161	2081516	MS	16-Aug-22	8015B	
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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
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

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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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
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

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**

Chloride	608		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)	109 %	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	70.7 %	43-149	2081516	MS	16-Aug-22	8015B	
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Surrogate: 1-Chlorooctadecane	82.0 %	42.5-161	2081516	MS	16-Aug-22	8015B	
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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
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

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**

Chloride	1600		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)	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	

Surrogate: 1-Chlorooctane	75.6 %	43-149	2081516	MS	16-Aug-22	8015B	
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Surrogate: 1-Chlorooctadecane	89.3 %	42.5-161	2081516	MS	16-Aug-22	8015B	
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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

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**

Chloride	80.0		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)	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

Surrogate: 1-Chlorooctane	77.1 %	43-149	2081516	MS	16-Aug-22	8015B
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Surrogate: 1-Chlorooctadecane	90.2 %	42.5-161	2081516	MS	16-Aug-22	8015B
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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

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**

Chloride	48.0		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	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	

Surrogate: 4-Bromofluorobenzene (PID)	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

Surrogate: 1-Chlorooctane	78.1 %	43-149	2081516	MS	16-Aug-22	8015B
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Surrogate: 1-Chlorooctadecane	89.0 %	42.5-161	2081516	MS	16-Aug-22	8015B
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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

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**

Chloride	32.0		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)	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	86.2 %	43-149	2081516	MS	16-Aug-22	8015B
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Surrogate: 1-Chlorooctadecane	102 %	42.5-161	2081516	MS	16-Aug-22	8015B
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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

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**

Chloride	224		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	

Surrogate: 4-Bromofluorobenzene (PID)	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

Surrogate: 1-Chlorooctane	79.4 %	43-149	2081516	MS	16-Aug-22	8015B
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Surrogate: 1-Chlorooctadecane	94.7 %	42.5-161	2081516	MS	16-Aug-22	8015B
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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

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**

Chloride	128		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)	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

Surrogate: 1-Chlorooctane	79.9 %	43-149	2081516	MS	16-Aug-22	8015B
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Surrogate: 1-Chlorooctadecane	91.7 %	42.5-161	2081516	MS	16-Aug-22	8015B
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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

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**

Chloride	80.0		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)	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	82.8 %	43-149	2081516	MS	16-Aug-22	8015B	
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Surrogate: 1-Chlorooctadecane	96.1 %	42.5-161	2081516	MS	16-Aug-22	8015B	
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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

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**

Chloride	96.0		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	

Surrogate: 4-Bromofluorobenzene (PID)	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

Surrogate: 1-Chlorooctane	71.4 %	43-149	2081517	MS	16-Aug-22	8015B
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Surrogate: 1-Chlorooctadecane	71.8 %	42.5-161	2081517	MS	16-Aug-22	8015B
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

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**

Chloride	320		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	

Surrogate: 4-Bromofluorobenzene (PID)	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	

Surrogate: 1-Chlorooctane	84.3 %	43-149	2081517	MS	16-Aug-22	8015B	
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Surrogate: 1-Chlorooctadecane	87.2 %	42.5-161	2081517	MS	16-Aug-22	8015B	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

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**

Chloride	416		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	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	

Surrogate: 4-Bromofluorobenzene (PID)	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	

Surrogate: 1-Chlorooctane	79.2 %	43-149	2081517	MS	16-Aug-22	8015B	
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Surrogate: 1-Chlorooctadecane	79.8 %	42.5-161	2081517	MS	16-Aug-22	8015B	
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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

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**

Chloride	400		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	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	

Surrogate: 4-Bromofluorobenzene (PID)	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	

Surrogate: 1-Chlorooctane	83.1 %	43-149	2081517	MS	16-Aug-22	8015B	
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Surrogate: 1-Chlorooctadecane	82.9 %	42.5-161	2081517	MS	16-Aug-22	8015B	
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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

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**

Chloride	128		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	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	

Surrogate: 4-Bromofluorobenzene (PID)	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	

Surrogate: 1-Chlorooctane	99.0 %	43-149	2081523	MS	16-Aug-22	8015B	
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Surrogate: 1-Chlorooctadecane	115 %	42.5-161	2081523	MS	16-Aug-22	8015B	
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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

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**

Chloride	224		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	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	

Surrogate: 4-Bromofluorobenzene (PID)	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

Surrogate: 1-Chlorooctane	102 %	43-149	2081523	MS	16-Aug-22	8015B
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Surrogate: 1-Chlorooctadecane	119 %	42.5-161	2081523	MS	16-Aug-22	8015B
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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

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**

Chloride	80.0		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	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	

Surrogate: 4-Bromofluorobenzene (PID)	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	

Surrogate: 1-Chlorooctane	92.9 %	43-149	2081523	MS	16-Aug-22	8015B	
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Surrogate: 1-Chlorooctadecane	108 %	42.5-161	2081523	MS	16-Aug-22	8015B	
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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

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 2081701 - 1:4 DI Water**Blank (2081701-BLK1)**

Prepared & Analyzed: 17-Aug-22

Chloride	ND	16.0	mg/kg						
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LCS (2081701-BS1)

Prepared & Analyzed: 17-Aug-22

Chloride	432	16.0	mg/kg	400	108	80-120			
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LCS Dup (2081701-BSD1)

Prepared & Analyzed: 17-Aug-22

Chloride	432	16.0	mg/kg	400	108	80-120	0.00	20	
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Batch 2081702 - 1:4 DI Water**Blank (2081702-BLK1)**

Prepared & Analyzed: 17-Aug-22

Chloride	ND	16.0	mg/kg						
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LCS (2081702-BS1)

Prepared & Analyzed: 17-Aug-22

Chloride	416	16.0	mg/kg	400	104	80-120			
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LCS Dup (2081702-BSD1)

Prepared & Analyzed: 17-Aug-22

Chloride	416	16.0	mg/kg	400	104	80-120	0.00	20	
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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

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



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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

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			

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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**Blank (2081516-BLK1)**

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			

LCS (2081516-BS1)

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			

LCS Dup (2081516-BS1)

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**Blank (2081517-BLK1)**

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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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

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	----------------	-----	--------------	-------

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-BS1)

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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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

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

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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A handwritten signature in black ink, appearing to read "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 State: Zip:
Project Location: Par 3 Phone #:
Sampler Name: Jacob Saenz Fax #:

P.O. #: 20200402-2300-Water
Company: AEP
Attn: Send to
Address: aparker@amerdev.com
City: State: Zip:
Phone #:
Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST					
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE, BTEX			
1083700	GS-40E	0-2FT	1							8/19/22	8:00am						
1	GS-43	0-2FT	1														
2	GS-47 SW	0-2FT	1														
3	GS-49	0-2FT	1														
4	GS-49	0-4FT	1														
5	GS-49	4.5FT	1														
6	GS-54	0-2FT	1														
7	GS-57	0-2FT	1														
8	GS-58S	0-2FT	1														
9	GS-58S	2-4FT	1														

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Relinquished By: SAED SAENZ Date: 8/19/22 Received By: Jacob Saenz
Time: 11:39 Date: Received By:
Time: Date: Received By:

Delivered By: (Circle One) 24°C-0.0°C Sample Condition: Yes ☒ Cool ☐ Intact ☐ Checked By: SA
Sampler - UPS - Bus - Other: 1,8°C #113 ☒ Yes ☐ No ☐ No ☐ No ☐ No

Relinquished By: SAED SAENZ Date: 8/19/22 Received By: Jacob Saenz
Time: 11:39 Date: Received By:
Time: Date: Received By:

Delivered By: (Circle One) 24°C-0.0°C Sample Condition: Yes ☒ Cool ☐ Intact ☐ Checked By: SA
Sampler - UPS - Bus - Other: 1,8°C #113 ☒ Yes ☐ No ☐ No ☐ No ☐ No

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Maryland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

BILL TO

ANALYSIS REQUEST

Company Name: Kreder

Project Manager: Andrew Parker

Address: On-File

City: _____ State: _____ Zip: _____

Phone #: _____

Fax #: _____

Project #: _____ Project Owner: _____

Project Name: 20200402-2300-Krater

Project Location: Par 3

Sampler Name: Jacob Sacenz

P.O. #: 20200402-2300-Krater

Company: AEP

Attn: Send to

Address: aparker@

City: amredey.com

State: _____ Zip: _____

Phone #: _____

Fax #: _____

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

11039100

<u>11</u>	<u>GS-585</u>	<u>4.5FT</u>
<u>12</u>	<u>GS-59</u>	<u>0-2FT</u>
<u>13</u>	<u>GS-59</u>	<u>2-4FT</u>
<u>14</u>	<u>GS-59</u>	<u>4.5FT</u>
<u>15</u>	<u>GS-59</u>	<u>5.5FT</u>
<u>16</u>	<u>GS-59</u>	<u>6.5FT</u>
<u>17</u>	<u>GS-59</u>	<u>7.5FT</u>
<u>18</u>	<u>GS-595</u>	<u>0-2FT</u>

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

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TIME

CHLORIDE

TPH (GRO+DRO+MRO)

BENZENE, BTEX

Relinquished By:

Relinquished By:

Date: 8/24/22

Date: 8/24/22

Received By:

Received By:

Phone Result: ☐ Yes ☐ No

Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

REMARKS:

REMARKS:

Phone Result: ☐ Yes ☐ No

Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

REMARKS:

REMARKS:

Phone Result: ☐ Yes ☐ No

Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

Phone Result: ☐ Yes ☐ No

Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

REMARKS:

REMARKS:

Phone Result: ☐ Yes ☐ No

Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

REMARKS:

REMARKS:

Phone Result: ☐ Yes ☐ No

Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

Delivered By: (Circle One) 2.4

Sampler - UPS - Bus - Other: 1.8

Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Sample Condition

Yes ☐ No ☐

CHECKED BY:

(Initials)

P.2



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

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Cardinal Laboratories

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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)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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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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 4.5' (H223726-03)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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	1360	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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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)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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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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, SM4500Cl-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	08/17/2022	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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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

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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, SM4500Cl-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



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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 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)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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
 Reported: 08/18/2022
 Project Name: PAR 3
 Project Number: 20220402 - 2300 - WATER
 Project Location: NONE GIVEN

Sampling Date: 08/15/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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
Chloride	816	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)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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



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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' 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
 Reported: 08/18/2022
 Project Name: PAR 3
 Project Number: 20220402 - 2300 - WATER
 Project Location: NONE GIVEN

Sampling Date: 08/15/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: GS - 31 6.5' B (H223726-18)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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



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 - 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	
Chloride	1180	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, SM4500Cl-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	
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 91.7 % 43-149

Surrogate: 1-Chlorooctadecane 93.0 % 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 - 39 2-4' (H223726-24)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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



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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 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

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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 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, SM4500Cl-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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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

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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 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, 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	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

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 - 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

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

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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A handwritten signature in black ink, appearing to read "C. 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: Ameredev

Project Manager: Andrew Parker

Address: On-File

City: State: Zip:

Phone #: Fax #:

Project #: Project Owner:

Project Name: 2020402-2300-water

Project Location: Par 3

Sampler Name: Jacob Saenz

FOR LAB USE ONLY

Lab I.D. Sample I.D.

H23726

GS-15 0-2FT

GS-15 2-4FT

GS-15 4-5FT

GS-15 5-5FT

GS-15 6-5FT

GS-15E 0-2FT

GS-20W 0-2FT

GS-24 0-2FT

GS-24 2-4FT

GS-24 4-5FT

GS-24 4-5FT

GS-24 4-5FT

GS-24 4-5FT

GS-24 4-5FT

GS-24 4-5FT

GS-24 4-5FT

GS-24 4-5FT

GS-24 4-5FT

GS-24 4-5FT

GS-24 4-5FT

GS-24 4-5FT

BILL TO

P.O. # 2020402-2300 water

Company: ABP

Attn: Send to

Address: aparker@

City: ameredev.com

State: Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

CHLORIDE

TPH (GRO+DRO+MRO)

BENZENE, BTEX

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Relinquished By:

Date: 8-15-22

Time: 16:55

Received By:

Phone Result: ☐ Yes ☐ No Add'l Phone #:Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

Delivered By: (Circle One)

5.8°C C-0.6°C

Sample Condition Cool Intact

CHECKED BY: (Initials)

7.0

Sampler - UPS - Bus - Other:

5.8°C C-0.6°C

Sample Condition Cool Intact

CHECKED BY: (Initials)

7.0

† 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

Company Name: <u>Amerev</u>		BILL TO		ANALYSIS REQUEST														
Project Manager: <u>Andrew Parker</u>		P.O. #: <u>202204023500-water</u>																
Address: <u>On-File</u>		Company: <u>ABP</u>																
City:	State:	Zip:	Attn: <u>Send to</u>															
Phone #:	Fax #:		Address: <u>aparker@amerev.com</u>															
Project #:	Project Owner:		City:	State:	Zip:													
Project Name: <u>20220402-2300-water</u>			Phone #:															
Project Location: <u>Par 3</u>			Fax #:															
Sampler Name: <u>Jacob Saenz</u>																		
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						
				GROUNDWATER	WASTEWATER								SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL
<u>H223726</u>	<u>G5-24</u>	<u>5.5 FT</u>	<u>1</u>	<u>X</u>				<u>4/15/22</u>	<u>9:50am</u>	<u>2</u>	<u>2</u>	<u>2</u>						
<u>12</u>	<u>G5-24</u>	<u>6.5 FT</u>	<u>1</u>					<u>10:15am</u>										
<u>13</u>	<u>G5-31</u>	<u>0-2 FT</u>	<u>1</u>					<u>10:30am</u>										
<u>14</u>	<u>G5-31</u>	<u>2-4 FT</u>	<u>1</u>					<u>10:35am</u>										
<u>15</u>	<u>G5-31</u>	<u>4.5 FT</u>	<u>1</u>					<u>10:40am</u>										
<u>16</u>	<u>G5-31</u>	<u>5.5 FT</u>	<u>1</u>					<u>10:45am</u>										
<u>17</u>	<u>G5-31</u>	<u>6.5 FT</u>	<u>1</u>					<u>10:50am</u>										
<u>18</u>	<u>G5-31</u>	<u>6.5' - 7.5' B</u>	<u>1</u>					<u>11:10am</u>										
<u>19</u>	<u>G5-33E</u>	<u>0-2 FT</u>	<u>1</u>					<u>11:30am</u>										
<u>20</u>	<u>G5-33E</u>	<u>2-4 FT</u>	<u>1</u>					<u>11:35am</u>										

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Relinquished By: 8/15/22 Received By: Amerev

Date: 8/15/22 Time: 11:55

Relinquished By: 5/15/22 Received By: Amerev

Date: 5/15/22 Time: 11:55

Delivered By: (Circle One) 5.8c C.O.C. Sample Condition Cool Intact Yes Yes Checked By: (Initials) Y.E.

Sampler - UPS - Bus - Other: 5.8c #113

REMARKS: P.2

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Company Name: <u>AmereDev</u>		P.O. #: <u>000000-0300-wt-1</u>	
Project Manager: <u>Andrew Parker</u>		Company: <u>ADP</u>	
Address: <u>On-File</u>		Attn: <u>Send to</u>	
City: _____ State: _____ Zip: _____		Address: <u>aparker@ameredev.com</u>	
Phone #: _____ Fax #: _____		City: _____ State: _____ Zip: _____	
Project #: _____		Project Owner: _____	
Project Name: <u>000000-0300-wt-1</u>		Project Location: <u>Par 3</u>	
Sample Name: <u>Jacob Saenz</u>		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>HA2326</u>														
<u>21</u>	<u>GS-33E</u>	<u>6</u>	<u>1</u>			<u>X</u>				<u>8/19/22</u>	<u>11:40a</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
<u>22</u>	<u>GS-36S</u>	<u>1</u>	<u>1</u>							<u>11:55a</u>	<u>12pm</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
<u>23</u>	<u>GS-39</u>	<u>1</u>	<u>1</u>							<u>12pm</u>	<u>12:15p</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
<u>24</u>	<u>GS-39</u>	<u>1</u>	<u>1</u>							<u>12:20a</u>	<u>12:30a</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
<u>25</u>	<u>GS-39</u>	<u>1</u>	<u>1</u>							<u>12:30a</u>	<u>12:40a</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
<u>26</u>	<u>GS-39</u>	<u>1</u>	<u>1</u>							<u>12:40a</u>	<u>12:45a</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
<u>27</u>	<u>GS-39</u>	<u>1</u>	<u>1</u>							<u>12:45a</u>	<u>12:45a</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
<u>28</u>	<u>GS-39</u>	<u>1</u>	<u>1</u>							<u>12:45a</u>	<u>12:45a</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
<u>29</u>	<u>GS-46</u>	<u>1</u>	<u>1</u>							<u>12:45a</u>	<u>12:45a</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>

Relinquished By: <u>SNLOBSAEN2</u>		Date: <u>8-15-22</u>		Received By: <u>AmereDev</u>		Date: <u>8-15-22</u>	
Relinquished By: _____		Date: _____		Received By: _____		Date: _____	
Delivered By: (Circle One) <u>5.8e</u>		Sample Condition: <u>5.8e</u>		Cool Intact: <u>Yes</u>		CHECKED BY: (Initials) <u>AD</u>	
Sampler - UPS - Bus - Other: <u>5.8e #113</u>		Sample Condition: <u>5.8e #113</u>		Cool Intact: <u>Yes</u>		CHECKED BY: (Initials) <u>AD</u>	

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REMARKS: _____

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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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

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:	08/16/2022	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, SM4500Cl-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

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:	08/16/2022	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, SM4500Cl-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



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 - 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, SM4500Cl-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
Reported: 08/19/2022
Project Name: PAR 3
Project Number: 20220402 - 2300 - WATER
Project Location: NONE GIVEN

Sampling Date: 08/16/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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, SM4500Cl-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
 Reported: 08/19/2022
 Project Name: PAR 3
 Project Number: 20220402 - 2300 - WATER
 Project Location: NONE GIVEN

Sampling Date: 08/16/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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



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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 - 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, SM4500Cl-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



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 - 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, SM4500Cl-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)

BTX 8021B			mg/kg							
			Analyzed By: JH/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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, SM4500Cl-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, SM4500Cl-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, SM4500Cl-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



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Analytical Results For:

AMEREDEV
ANDREW PARKER
2901 VIA FORTUNA , SUITE 600
AUSTIN TX, 78746
Fax To:

Received: 08/16/2022
Reported: 08/19/2022
Project Name: PAR 3
Project Number: 20220402 - 2300 - WATER
Project Location: NONE GIVEN

Sampling Date: 08/16/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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



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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 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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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 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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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 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

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:	08/16/2022	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, SM4500Cl-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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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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A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager



ANALYSIS REQUEST

Page 24 of 26



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: <u>Amerdev</u>		BILL TO	
Project Manager: <u>Andrew Parker</u>		P.O. # <u>2020402-2300-merdev</u>	
Address: <u>On-File</u>		Company: <u>AEP</u>	
City: _____ State: _____ Zip: _____		Attn: <u>Send to</u>	
Phone #: _____ Fax #: _____		Address: <u>aparker@amerdev.com</u>	
Project #: _____ Project Owner: _____		City: _____ State: _____ Zip: _____	
Project Name: <u>2020402-2300-merdev</u>		Phone #: _____	
Project Location: <u>Per 3</u>		Fax #: _____	
Sampler Name: <u>Jacob Saenz</u>		FOR LAB USE ONLY	
Lab I.D. <u>Sample I.D.</u>		MATRIX	
H223746		PRESERV	
11 GS-10 0-2FT		SAMPLING	
12 GS-10 2-4FT		DATE	
13 GS-10 4-5FT		TIME	
14 GS-10 5-5FT		CHLORIDE	
15 GS-10 0-2FT		TPH (GRO+DRO+MRO)	
16 GS-12 0-2FT		BENZENE, BTEX	
17 GS-12 2-4FT			
18 GS-12 4-5FT			
19 GS-12 5-5FT			
20 GS-12 6-5FT			
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Relinquished By: <u>57A005AEN2</u>		Date: <u>8-16-22</u>	
Relinquished By: _____		Time: <u>1:50</u>	
Date: _____		Received By: <u>Andrew Parker</u>	
Time: _____		Date: _____	
Delivered By: (Circle One) <u>4.85</u> <u>0-0.6</u>		Sample Condition	
Sampler - UPS - Bus - Other: <u>4.2</u> <u>#113</u>		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	
		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	
		CHECKED BY: <u>(Initials)</u>	
		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____	
		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #: _____	
		REMARKS: <u>P.2</u>	

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

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