

Spill Dimensions to Volume of Release			
Input	volume of affected soil	[feet^3]	15848.80
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]	554.7
		[gal]	4149.5
		Barrels	98.8

From GIS	
Sq. Ft	39,622
Depth (ft)	0.4
Cu. Ft	15848.8



Ameredev II, LLC

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

February 7, 2024

New Mexico Environmental Department
1220 South St. Francis Dr.
Santa Fe, NM 87505

RE: Characterization and Remediation Plan
Incident ID: nAPP2124629937
Proj. ID #: 20210819-0000-water
Location: Singh Waterline

NMOCD:

Ameredev II, LLC submits this characterization and remediation plan for the above referenced incident.

The release was discovered on August 19, 2021, caused by a rupture of a poly pipeline moving produced water. The calculated volume of released produced water is 100 bbls, 60 bbls was reported as recovered. The release occurred on a pipeline right of way (ROW) and pasture. Initial NMOCD notification of the major release was provided on August 19, 2021 and the C-141 was submitted on August 30, 2021.

Initial site evaluation and remediation activities were provided by Black Gold Environmental and are presented later in this document. More recently a road has been constructed to the west of the release extent, powerlines constructed along the release extent. and a pipeline constructed to the east of the release extent. Release source was on State owned surface and flowed south onto private surface (NGL). The release did not impact ground or surface water. Figures 1 and 2 show the area of the area of in relation to the current pipeline ROW, road, and utilities. As the release extent was not mapped at the time of the incident, the possible extent will be referred to as the area of interest (AOI).

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Figure 1: Facing south from the northern extent of the area of interest.
Date taken: 2023-11-13 10:13:36. GPS: 32.0369222, -103.2777861.



Figure 2: Facing north from the southern extent of the area of interest.
Date Taken: 2023-12-05 10:50:36. GPS: 32.0343218, -103.2778519

02/07/2024

Released to Imaging: 3/13/2024 2:56:56 PM

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1. Characterization

The following table and sections address items as described in 19.15.29.11.A, paragraphs 1- 4. Please refer to Plates 2-9 for verification of setback criteria.

1.1. Site Map

The horizontal extent of the AOI was interpolated from sampling locations, analytical results and remediation extent provided by Black Gold Environmental.

Plate 1 shows the AOI relative to pipeline right of way (ROW), roads and utilities. The coordinates of the source are 32.0371889, -103.2778177 (Lat, Long; NAD83). The area of interest covered an area of approximately 39,622 sq. ft.

Site Characterization	
What is the shallowest depth to groundwater... (ft bgs). Plate 2	>101 ft
What measure was used to determine this?	Direct
Did this release impact ground or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
<ul style="list-style-type: none"> A continuously flowing watercourse or any other significant watercourse. Plate 4 	Lake/Pond 1.36 miles to the northeast
<ul style="list-style-type: none"> Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark). Plate 4 	Lake/Pond 1.36 miles to the northeast
<ul style="list-style-type: none"> An occupied permanent residence, school, hospital, institution or church. Plate 5 	1.57 miles to the NE
<ul style="list-style-type: none"> A spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes. Plate 3 	>1 mile
Any other fresh water well or spring. Plate 3	>1 mile
<ul style="list-style-type: none"> Incorporated municipal boundaries or a defined municipal fresh water well field. Plate 3 	½ to 1 mile (0.95 mile to SW)
<ul style="list-style-type: none"> A wetland. Plate 6 	4.8 miles NE
<ul style="list-style-type: none"> A subsurface mine. Plate 7 	>1 mile
<ul style="list-style-type: none"> A (non-karst) unstable area. 	?
<ul style="list-style-type: none"> Categorize the risk of this well/site being in a karst geology. Plate 8 	Low
<ul style="list-style-type: none"> A 100-year floodplain. Plate 9 	7.25 mi to NE
<ul style="list-style-type: none"> Did the release impact areas not on an exploration, development, production or storage site. 	Yes

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1.2. Depth to Ground Water

The nearest depth-to-water measurement, dated 05/23/2023, relative to the area of interest, is mapped on Plate 2. This depth-to-water test borehole has been plugged. The Office of the State Engineer well log is attached in Appendix B:

- MISC-436 (J-00054 POD 1) is located 1520 ft (0.29 mi) north of the release. Depth to water is greater than 101 feet below ground surface.

1.3. Soil/Waste Characteristics

The release occurred in an area where depth to water is greater than 100 ft below ground surface (bgs) and within a pipeline and utility ROW.

The USDA Natural Resources Conservation Service (NRCS) soil survey¹ describes the upper 5-feet of lithology as Pyote soils and Dune land with 0-3 percent slope:

Description of Pyote

- A - 0 to 30 inches: fine sand
- Bt - 30 to 60 inches: fine sandy loam

Description of Dune land

- A - 0 to 6 inches: fine sand
- C - 6 to 60 inches: sandy loam

The lithology as described by the NRCS is consistent with observed lithology during sampling event.

August 2021 Site Evaluation, Soil Sample Results and Remediation Activities

Black Gold Environmental commenced characterization/delineation sampling on August 20, 2021. Plate 10 shows sample locations and subsequent remediation extent. These locations were provided by Black Gold Environmental via KMZ file. Table A presents summary of analytical from the 2021 sampling event. Laboratory Certificates of Analysis are in Appendix C.

Soil was evaluated for chloride concentration. Sample depth was not identified. The three soils samples which exceeded closure criteria (SP-15, SP-17 and OP-01) were within, or adjacent to the area of remediation. Per communication with Ryan Mueller (Black Gold Environmental), 48 cubic yards of contaminated material was hauled off for disposal. Email communication is in Appendix A. Remediation extent was mapped as 16,076 sq ft. Based on reported volume hauled off and remediation square footage, the depth of excavation was approximately an average of 1 inch depth.

¹ <https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>

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Current Site Delineation

To meet regulatory requirements of 19.15.29 NMAC further site characterization and delineation was conducted. The reported remediation extent, location of Black Gold delineation sample points (Plate 10), and analytical data were used to estimate the area of interest to determine delineation sample points locations (Plate 11).

Ameredev commenced delineation sampling on 01/15/2024 following sampling event notification. Soil sampling was completed on 01/17/2024.

Delineation sample point coordinates are located in Table B. Summary of Analytical is shown in Table C.

All soil samples met the most stringent closure criteria for all constituents of concern as listed below except for CS-05 at 2.5 ft depth and CS-07 at 0-2 ft depth. The delineation sampling identified two areas of impact which will be the focus of the remediation activities. Vertical delineation of the area around sample point CS-05 will occur during remediation. Delineation samples which met closure criteria may be used as confirmation samples.

Closure Criteria for releases off-site, where depth to water is > 100 ft; closure criteria per Table 1 of 19.15.29 NMAC are:

- Upper 4-feet
 - Chloride < 600 mg/kg
 - TPH (GRO + DRO + MRO) < 100 mg/kg
 - BTEX < 50 mg/kg
 - Benzene < 10 mg/kg
- Below 4-feet
 - Chloride < 20,000 mg/kg
 - TPH (GRO + DRO + MRO) < 2,500 mg/kg
 - TPH (GRO + DRO) < 1,000 mg/kg
 - BTEX < 50 mg/kg
 - Benzene < 10 mg/kg

2. Remediation Plan

Ameredev proposes to complete remediation efforts begun in August 2021. The areas around CS-05 and CS-07 will be excavated until base and wall samples meet the closure criteria as listed above. Excavation will begin with 200 sq foot grids centered around above sample points and use field screening techniques for chlorides to guide depth, direction, and distance of additional remediation activity.

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Confirmation samples will be obtained for base and wall areas where excavation occurs and tested for all constituents of concern listed with sample grids not exceeding 200 sq ft.

When remediation and confirmation sampling is complete, the area will be backfilled with clean soil and the surface will be contoured and restored as an established utility right of way.

The upper 1-1.5 ft of overburden at CS-05 that tested below closure criteria during the January 2024 sampling event will be stockpiled and tested for re-use as backfill material. Each 50 cubic yards of stockpiled material will be sampled for all constituents of concern. If sampling meets the strictest closure criteria for the upper 4 feet, it will be used as backfill. An estimated 156 cubic yards of impacted soil will be hauled off site to an approved disposal facility.

Remediation will commence on April 1, 2024 or within 60 days of NMOCD approval of remediation plan and be completed in approximately 5 days.

Remediation Plan	
Requesting a remediation plan approval with this submission	Yes
Have the lateral and vertical extents of the contamination been fully delineated (<i>attach report demonstrating lateral and vertical extents</i>)	No
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling (Highest observable value for each in mg/kg)	
• Chloride	1010
• TPH (DRO+GRO+MRO)	<30
• GRO+DRO	<20
• BTEX	<0.03
• Benzene	<0.5
On what estimated date will the remediation commence	04/01/2024
On what date will (or did) the final sampling or liner inspection occur	04/04/2024
On what date will (or was) the remediation completed	04/08/2024
What is the estimated surface area (in square feet) that will be reclaimed	1200 sq ft
What is the estimated volume (in cubic yards) that will be reclaimed	156 cubic yards

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What is the estimated surface area (in square ft) that will be remediated	900 sq ft
What is the estimated volume (in cubic yards) that will be remediated	156 cubic yards
The remediation will (or is expected to) utilize the following processes to remediate/reduce contaminants:	
Excavation and off-site disposal	Yes
Excavation and on-site disposal	No
Soil Vapor Extraction (in Situ)	No
Chemical processing (in Situ)	No
Biological processing (in Situ)	No
Physical processing (in Situ)	No
Groundwater abatement	No
Other (non-listed remedial process)	No
Other non-listed remedial process. Please specify	

Following remediation activities, restoration and reclamation to its current use as a utility right of way, shall take place in accordance with 19.15.29.13 NMAC.

Sincerely,



Andrew Parker
Environmental Scientist

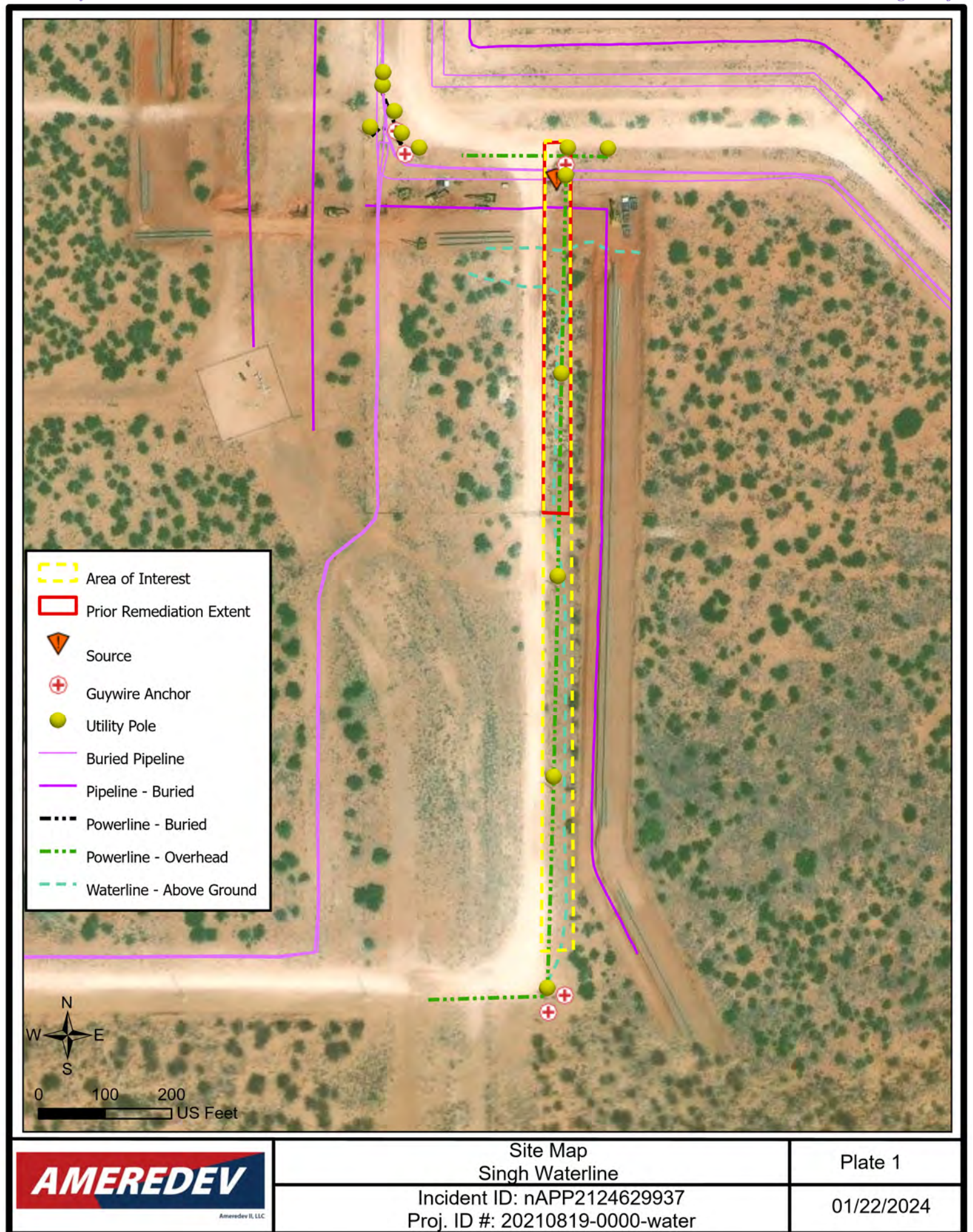
CC: State Land Office

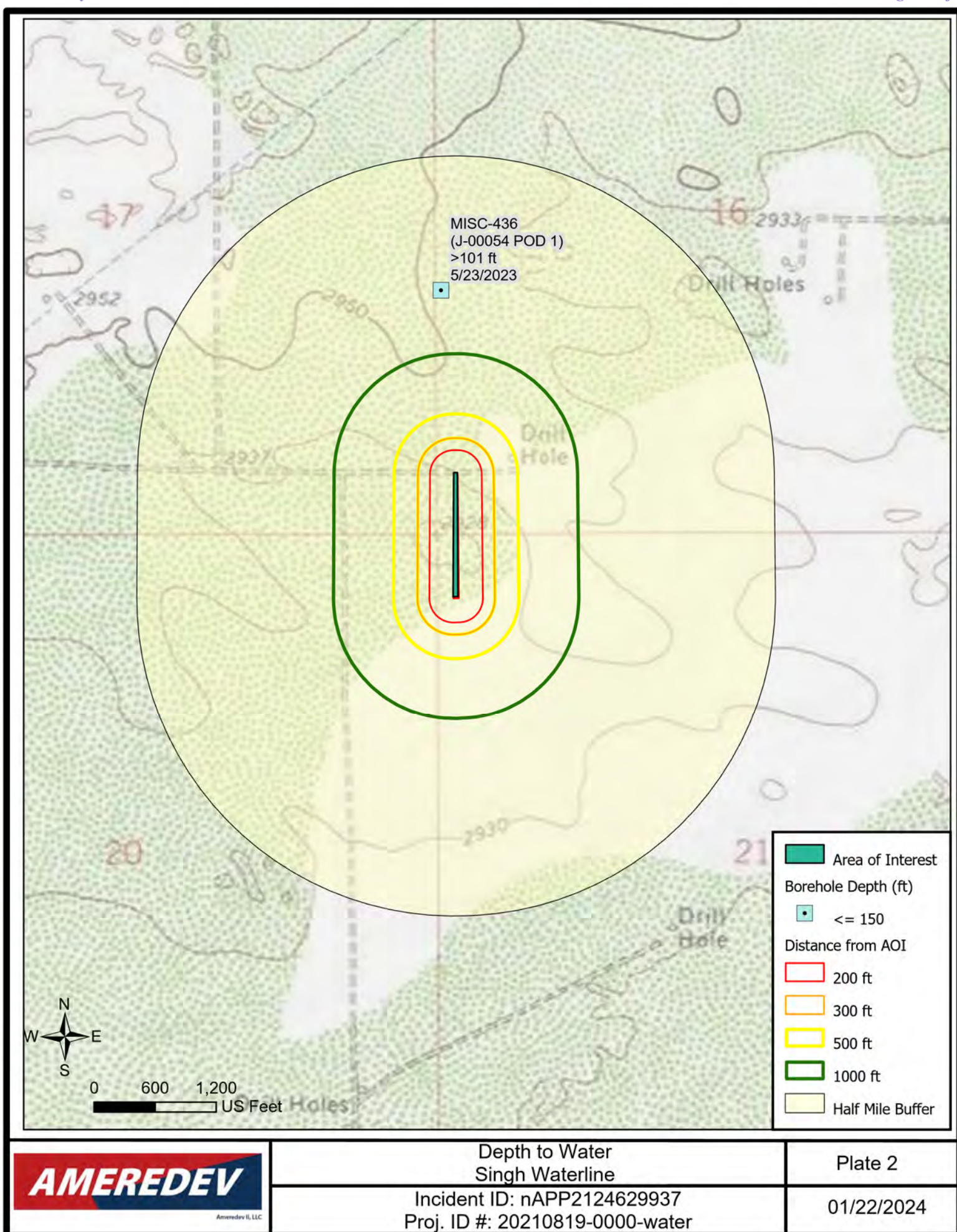
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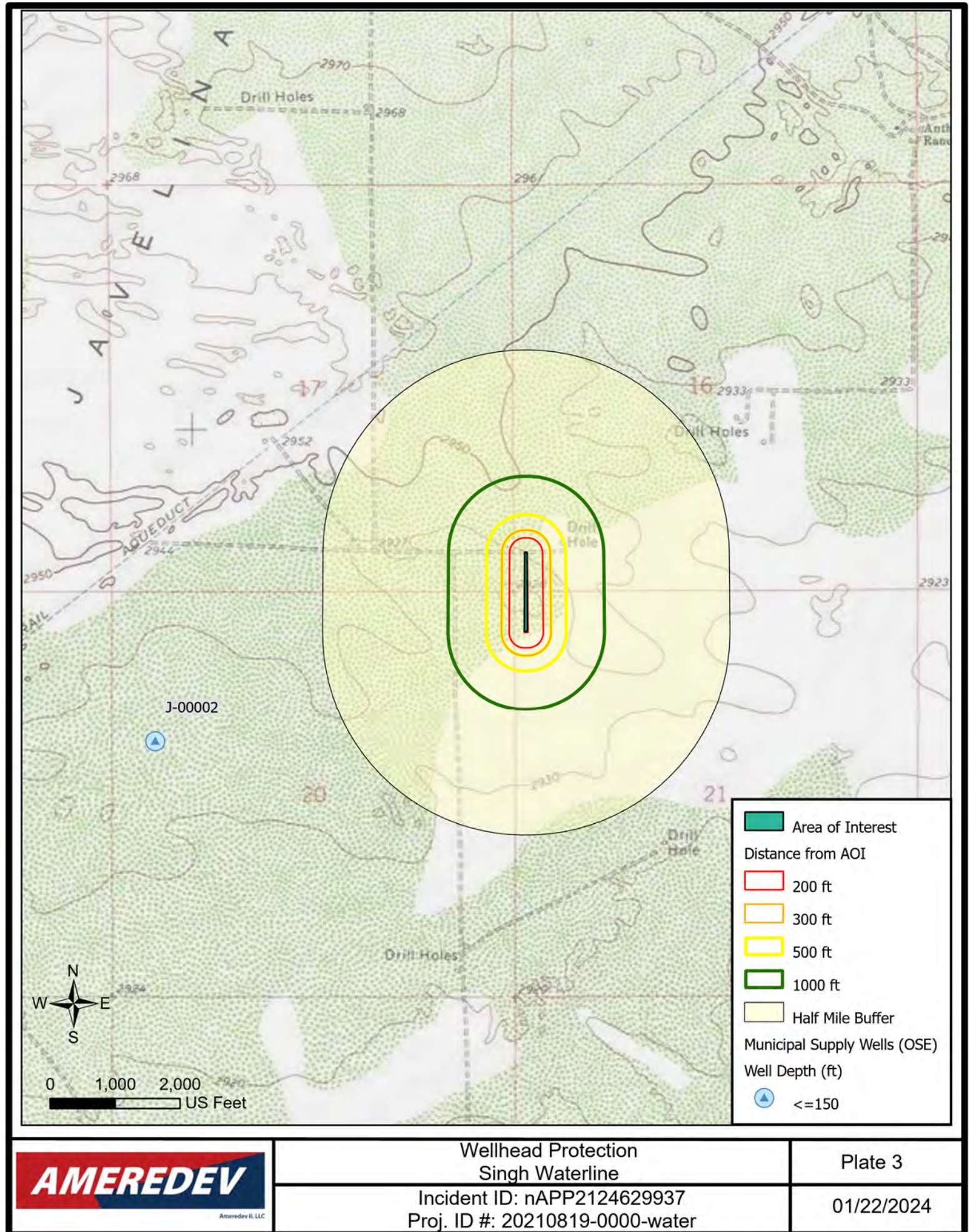
Plates

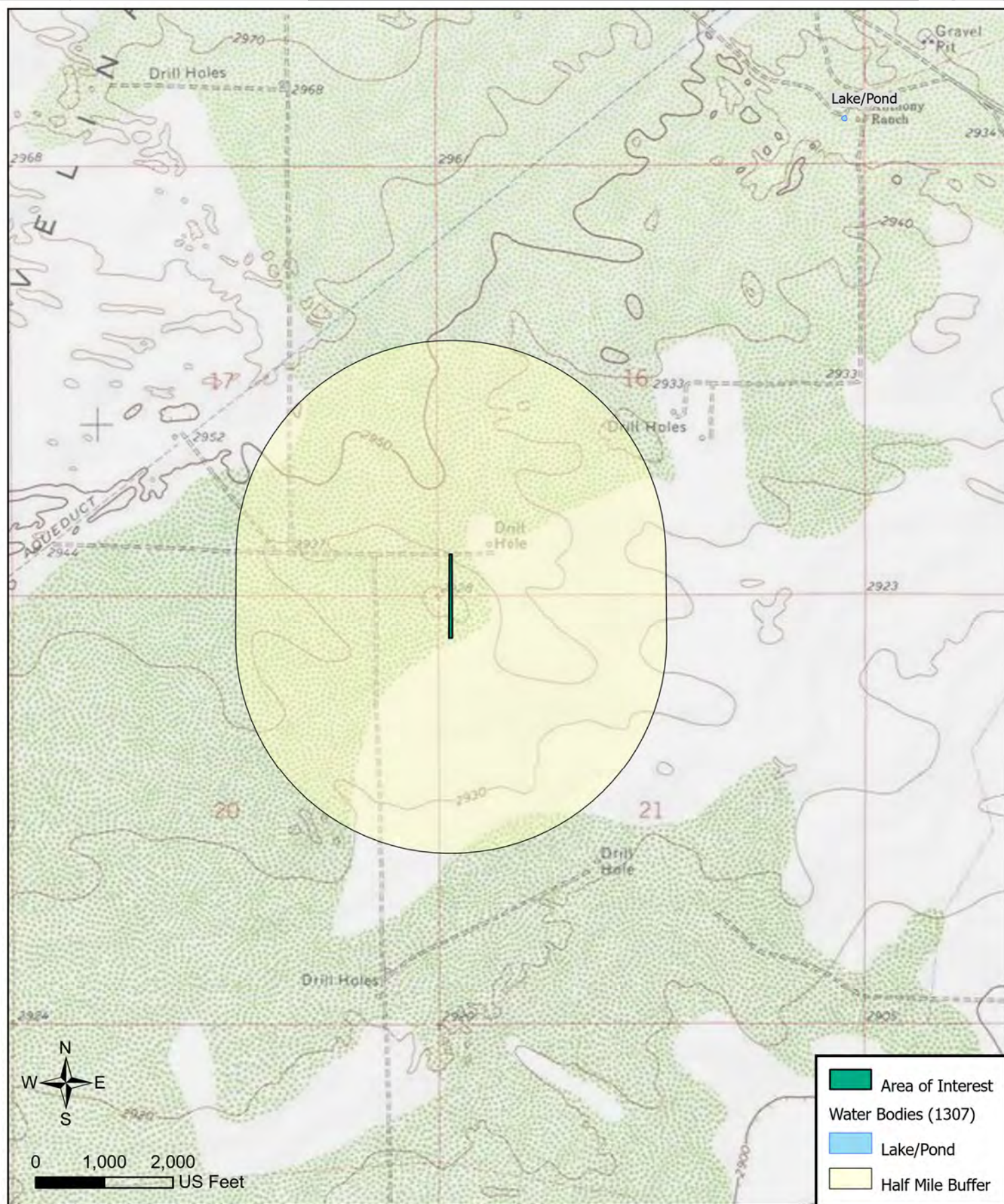


Ameredev II, LLC









Significant Watercourses
Singh Waterline

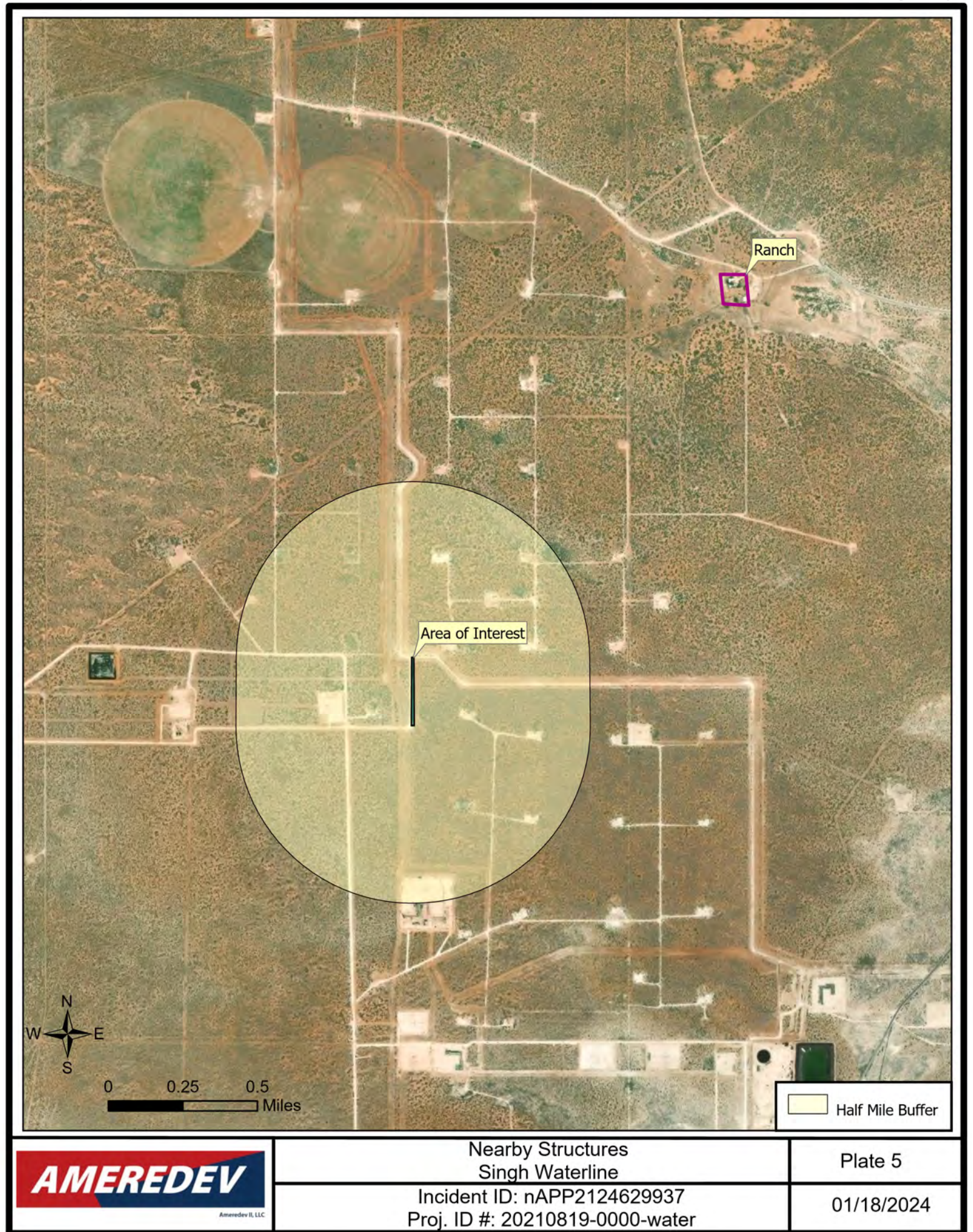
Plate 4

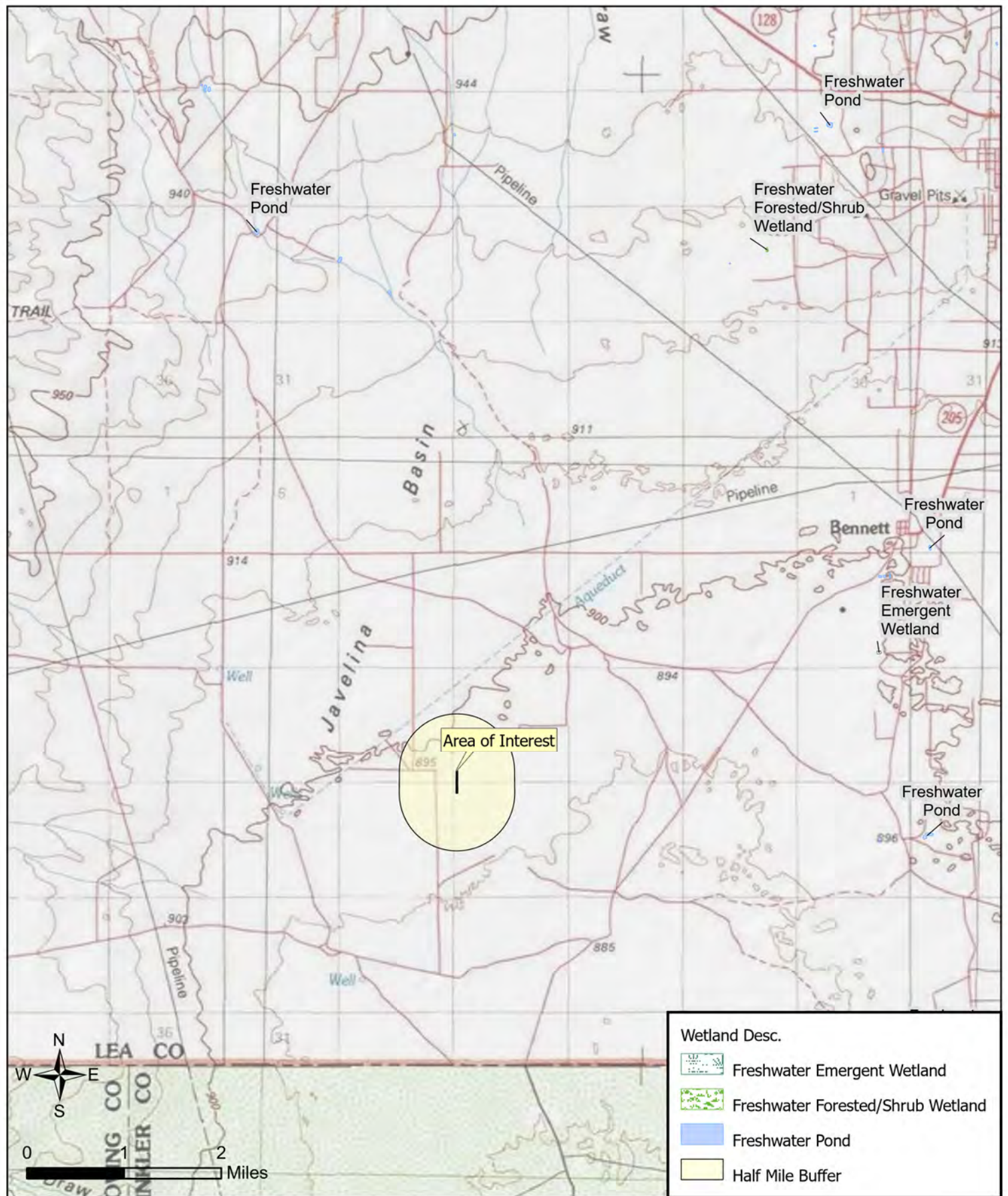
Incident ID: nAPP2124629937
Proj. ID #: 20210819-0000-water

01/22/2024

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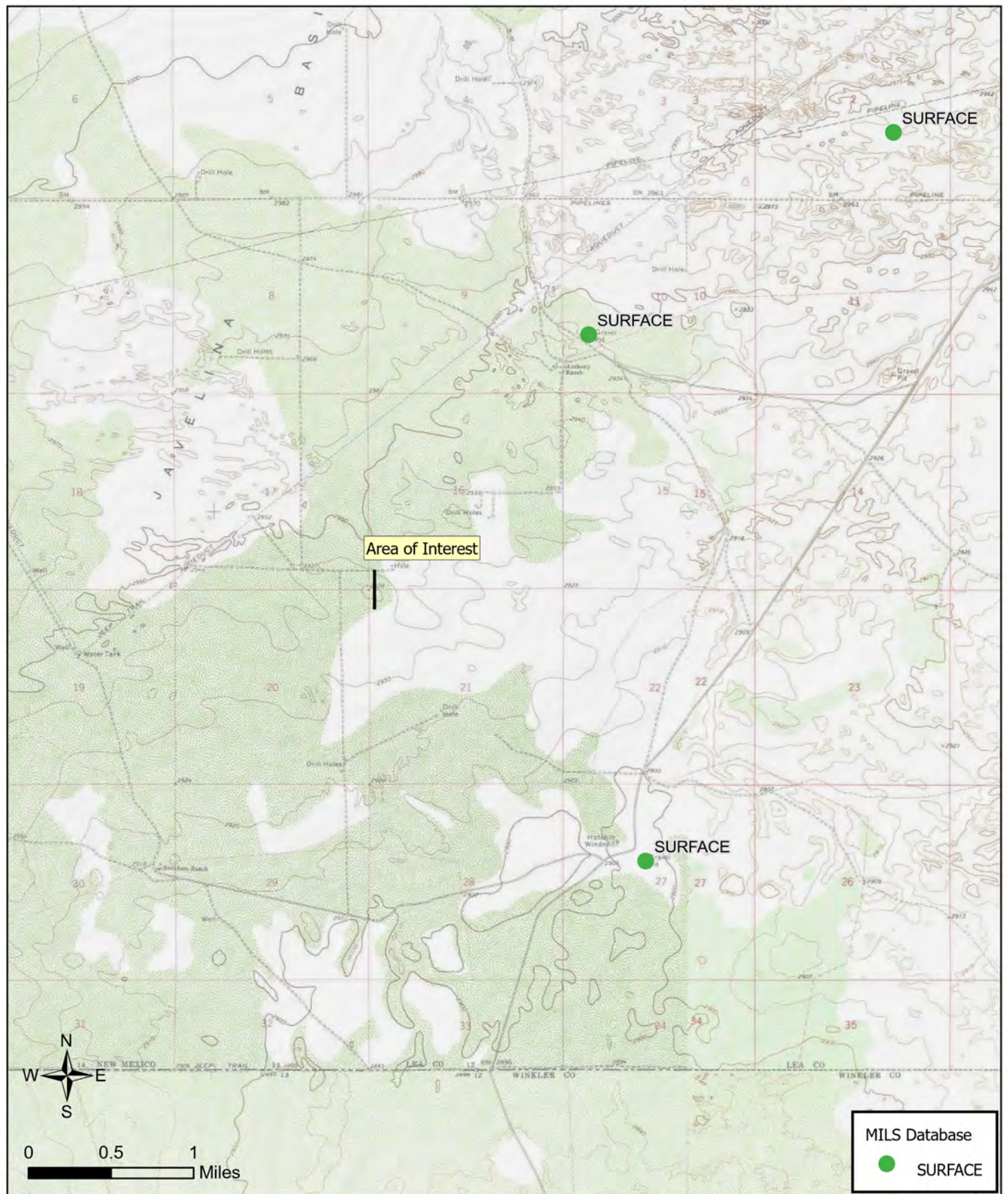




Wetlands
Singh Waterline
Incident ID: nAPP2124629937
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Plate 6

01/22/2024

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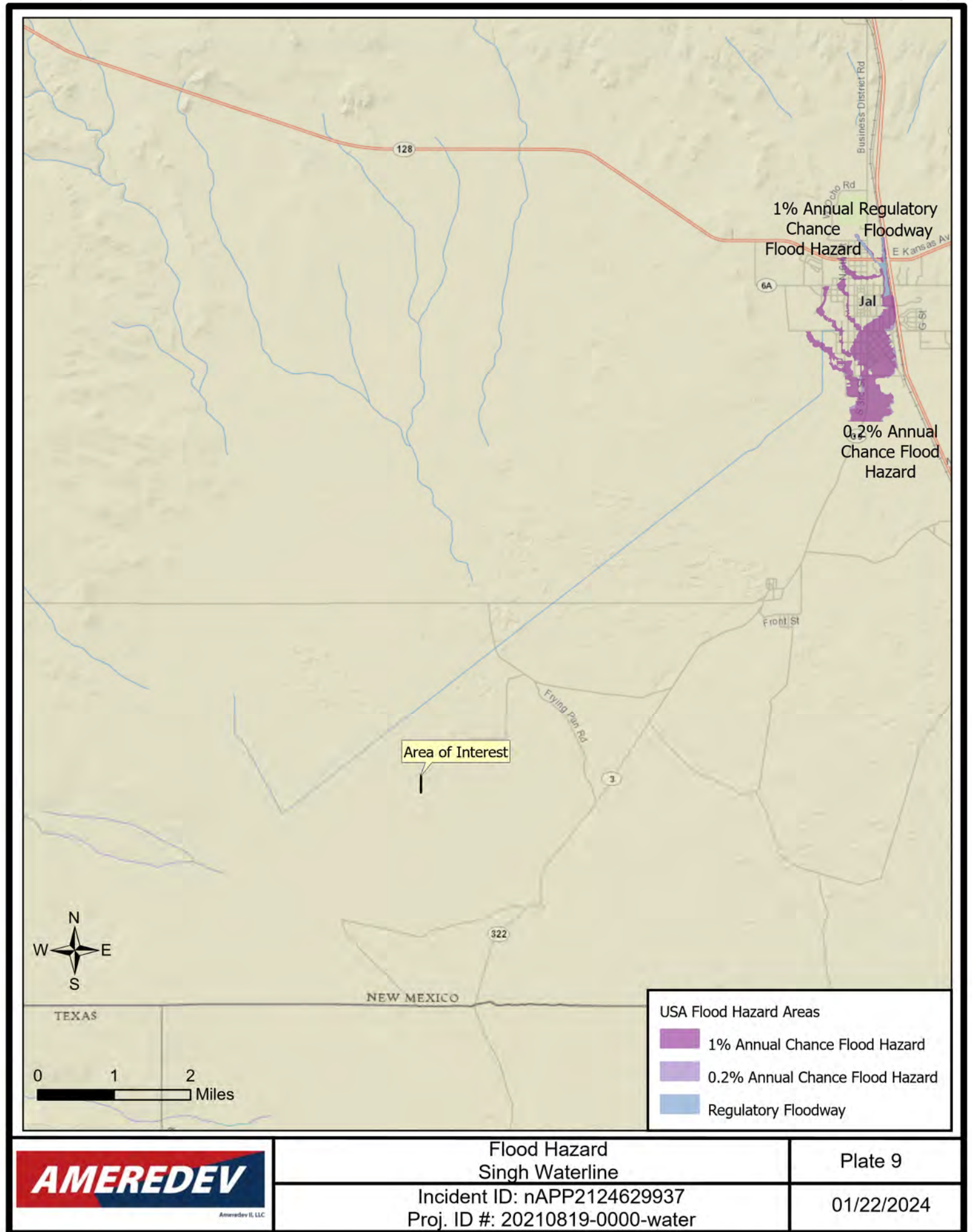
Amerdev II, LLC

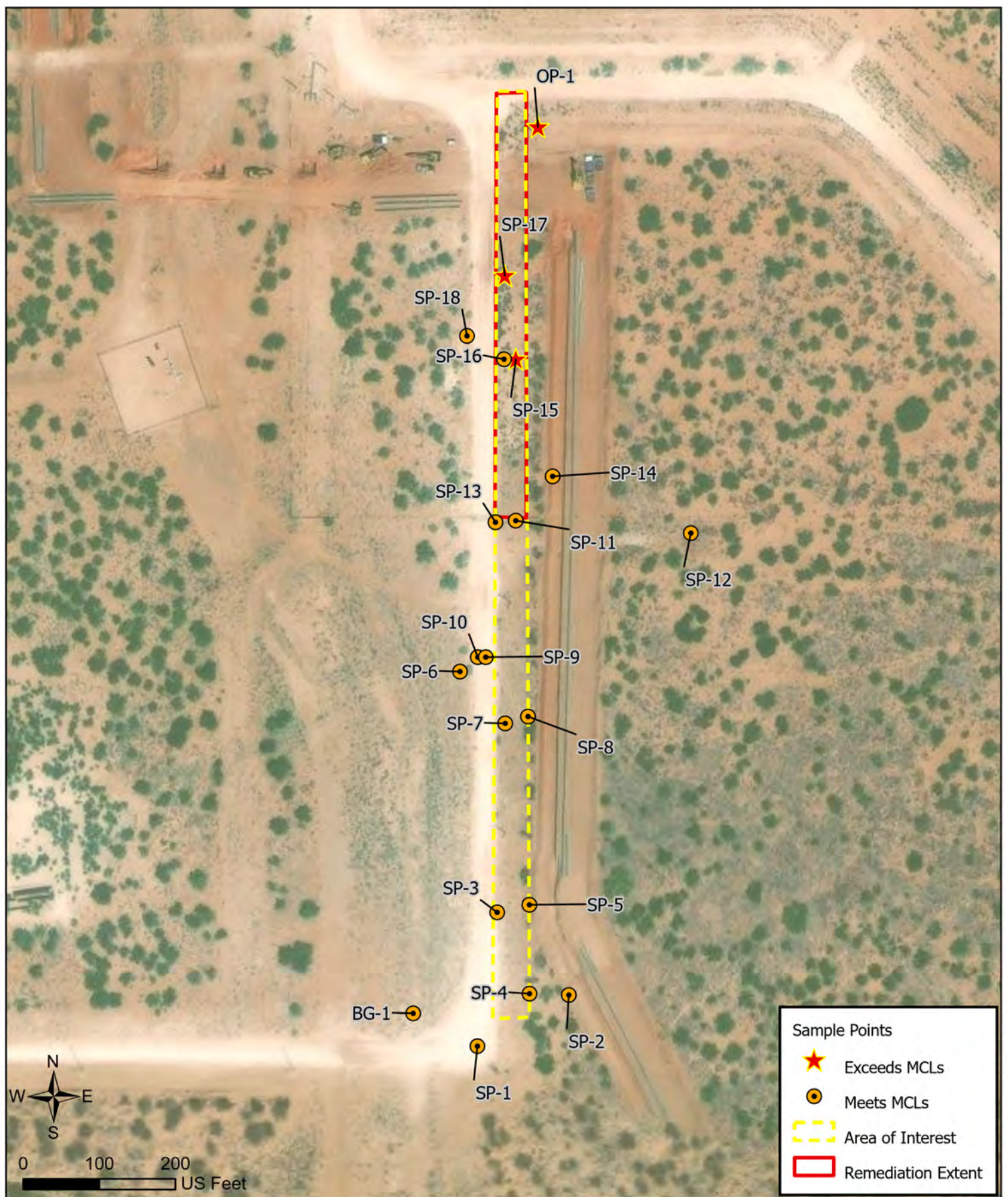
Mines and Minerals
Singh Waterline
Incident ID: nAPP2124629937
Proj. ID #: 20210819-0000-water

Plate 7

01/22/2024





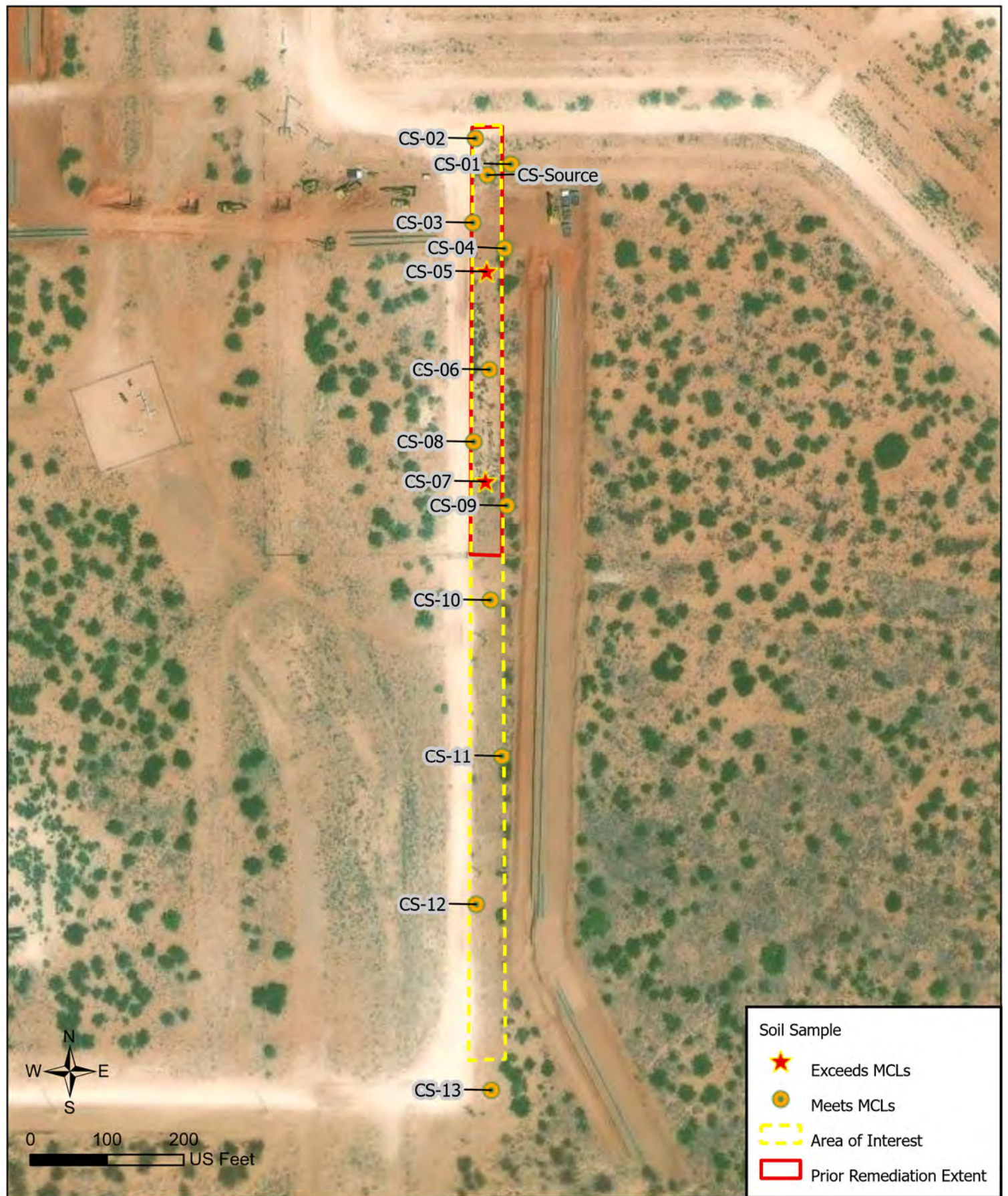


Black Gold Sample Points and Remediation Extent
Singh Waterline

Incident ID: nAPP2124629937
Proj. ID #: 20210819-0000-water

Plate 10

02/06/2024

**AMEREDEV**

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Delineation Sample Points
Singh WaterlineIncident ID: nAPP2124629937
Proj. ID #: 20210819-0000-water

Plate 11

01/23/2024

Tables



Ameredev II, LLC

January 29,2024

Table A
Summary of Analytical
August 2021

Incident ID: nAPP2124629937
Proj. ID #: 20210819-0000-water
Location: Singh Waterline

Sample ID	Date	Location	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Lab (Hall/Cardinal)	Lab #
NMOCD Closure Criteria									
0 - 4 feet & "not in-use"			600	--	100	10	50		
> 4 ft or "in-use"			20,000	1,000	2,500	10	50		
BG-1	8/20/2021	off-site	4.42	NA	NA	NA	NA	A&B Labs	21081730.01
SP-1	8/20/2021	off-site	2.35	NA	NA	NA	NA	A&B Labs	21081730.02
SP-2	8/20/2021	off-site	<1	NA	NA	NA	NA	A&B Labs	21081730.03
SP-3	8/20/2021	off-site	<1	NA	NA	NA	NA	A&B Labs	21081730.04
SP-4	8/20/2021	off-site	5.69	NA	NA	NA	NA	A&B Labs	21081730.05
SP-5	8/20/2021	off-site	<1	NA	NA	NA	NA	A&B Labs	21081730.06
SP-6	8/20/2021	off-site	1.51	NA	NA	NA	NA	A&B Labs	21081730.07
SP-7	8/20/2021	off-site	1.48	NA	NA	NA	NA	A&B Labs	21081730.08
SP-8	8/20/2021	off-site	3.85	NA	NA	NA	NA	A&B Labs	21081730.09
SP-9	8/20/2021	off-site	3.6	NA	NA	NA	NA	A&B Labs	21081730.10
SP-10	8/20/2021	off-site	1.13	NA	NA	NA	NA	A&B Labs	21081730.11
SP-11	8/20/2021	off-site	<1	NA	NA	NA	NA	A&B Labs	21081730.12
SP-12	8/20/2021	off-site	1.55	NA	NA	NA	NA	A&B Labs	21081730.13
SP-13	8/20/2021	off-site	1.83	NA	NA	NA	NA	A&B Labs	21081730.14
SP-14	8/20/2021	off-site	6.55	NA	NA	NA	NA	A&B Labs	21081730.15
SP-15	8/20/2021	off-site	1730	NA	NA	NA	NA	A&B Labs	21081730.16
SP-16	8/20/2021	off-site	270	NA	NA	NA	NA	A&B Labs	21081730.17
SP-17	8/20/2021	off-site	1392	NA	NA	NA	NA	A&B Labs	21081730.18
SP-18	8/20/2021	off-site	2.65	NA	NA	NA	NA	A&B Labs	21081730.19
OP-1	8/20/2021	off-site	1742	NA	NA	NA	NA	A&B Labs	21081730.20
NA= not analyzed									
Above Closure Criteria									

Sample Point	Longitude	Latitude
CS-01	-103.2777353	32.0372194
CS-02	-103.2778622	32.0372971
CS-03	-103.2778711	32.0370427
CS-04	-103.2777579	32.0369644
CS-05	-103.2778221	32.0368948
CS-06	-103.2778123	32.0365985
CS-07	-103.2778261	32.0362604
CS-08	-103.2778683	32.0363805
CS-09	-103.2777502	32.0361873
CS-10	-103.2778081	32.0359019
CS-11	-103.2777682	32.0354285
CS-12	-103.2778596	32.0349800
CS-13	-103.2778056	32.0344181
CS-Source	-103.2778197	32.0371865

January 29, 2024

Table C
Summary of Analytical

Incident ID: nAPP2124629937

Proj. ID #: 20210819-0000-water

Location: Singh Waterline

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Lab (Hall/Cardinal)	Lab #
NMOCD Closure Criteria												
0 - 4 feet & "not in-use"						600	--	100	10	50		
> 4 ft or "in-use"						20,000	1,000	2,500	10	50		
CS-Source	1/17/2024		0	2	off-site	32	<20	<30	<0.05	<0.3	Cardinal	H240217
CS-Source	1/17/2024	2.5			off-site	16	<20	<30	<0.05	<0.3	Cardinal	H240217
CS-01	1/17/2024		0	2	off-site	32	<20	<30	<0.05	<0.3	Cardinal	H240217
CS-01	1/17/2024	2.5			off-site	32	<20	<30	<0.05	<0.3	Cardinal	H240217
CS-02	1/17/2024		0	2	off-site	112	<20	<30	<0.05	<0.3	Cardinal	H240217
CS-02	1/17/2024	2.5			off-site	32	<20	<30	<0.05	<0.3	Cardinal	H240217
CS-03	1/17/2024		0	2	off-site	64	<20	<30	<0.05	<0.3	Cardinal	H240217
CS-03	1/17/2024	2.5			off-site	16	<20	<30	<0.05	<0.3	Cardinal	H240217
CS-04	1/17/2024		0	2	off-site	80	<20	<30	<0.05	<0.3	Cardinal	H240217
CS-04	1/17/2024	2.5			off-site	96	<20	<30	<0.05	<0.3	Cardinal	H240217
CS-05	1/17/2024		0	2	off-site	352	<20	<30	<0.05	<0.3	Cardinal	H240217
CS-05	1/17/2024	2.5			off-site	1010	<20	<30	<0.05	<0.3	Cardinal	H240217
CS-06	1/17/2024		0	2	off-site	32	<20	<30	<0.05	<0.3	Cardinal	H240217
CS-06	1/17/2024	2.5			off-site	32	<20	<30	<0.05	<0.3	Cardinal	H240217
CS-07	1/15/2024		0	2	off-site	768	<20	<30	<0.05	<0.3	Cardinal	H240172
CS-07	1/15/2024	2.5			off-site	592	<20	<30	<0.05	<0.3	Cardinal	H240172
CS-08	1/15/2024		0	2	off-site	256	<20	<30	<0.05	<0.3	Cardinal	H240173
CS-08	1/15/2024		2	2.5	off-site	386	<20	<30	<0.05	<0.3	Cardinal	H240173
CS-08	1/15/2024		2.5	3.5	off-site	384	<20	<30	<0.05	<0.3	Cardinal	H240173
CS-09	1/15/2024		0	2	off-site	16	<20	<30	<0.05	<0.3	Cardinal	H240172
CS-09	1/15/2024	2.5			off-site	16	<20	<30	<0.05	<0.3	Cardinal	H240172
CS-10	1/15/2024		0	2	off-site	32	<20	<30	<0.05	<0.3	Cardinal	H240172
CS-10	1/15/2024	2.5			off-site	32	<20	<30	<0.05	<0.3	Cardinal	H240172
CS-11	1/15/2024		0	2	off-site	32	<20	<30	<0.05	<0.3	Cardinal	H240172
CS-11	1/15/2024	2.5			off-site	16	<20	<30	<0.05	<0.3	Cardinal	H240172
CS-12	1/15/2024		0	2	off-site	16	<20	<30	<0.05	<0.3	Cardinal	H240172
CS-12	1/15/2024	2.5			off-site	16	<20	<30	<0.05	<0.3	Cardinal	H240172
CS-13	1/15/2024		0	2	off-site	48	<20	<30	<0.05	<0.3	Cardinal	H240172
CS-13	1/15/2024	2.5			off-site	16	<20	<30	<0.05	<0.3	Cardinal	H240172
Above Closure Criteria												

Appendix A

Communications



Ameredev II, LLC

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

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Ameredev Operating, LLC	OGRID 372224
Contact Name: Shane McNeely	Contact Telephone: (737) 300-4729
Contact email: smcneely@ameredev.com>	Incident # (assigned by OCD)
Contact mailing address: 2901 Via Fortuna Suite 600, Austin, Texas 78746	

Location of Release Source

Latitude 32.03723 Longitude -103.27773
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Singh Water Line	Site Type: Pipeline
Date Release Discovered: 8/19/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
M	16	T26S	R36E	Lea

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 100	Volume Recovered (bbls) 60
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:
Poly pipeline rupture.

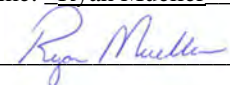
State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Release of greater than 25 bbls of produced water.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, within 4 hrs. Notice given by Shane McNeely to Mike Bratcher on August 19, 2021 via email at 1:02 PM.	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 1. Make a one call 2. Obtain Right of Entry from State Land Office	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Ryan Mueller</u>	Title: <u>Consultant for Ameredev Operating, LLC</u>
Signature: <u></u>	Date: <u>August 30, 2021</u>
email: <u>rmueller@blackgoldenv.com</u>	Telephone: <u>979-777-0115</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

Singh Waterline Release Incident ID: nAPP2124629937

Spill Dimensions to Volume of Release			
Input	volume of affected soil	[feet^3]	15848.80
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]	554.7
		[gal]	4149.5
		Barrels	98.8

From GIS	
Sq. Ft	39,622
Depth (ft)	0.4
Cu. Ft	15848.8

Laura Parker

From: Ryan Mueller <rmueller@blackgoldenv.com>
Sent: Tuesday, October 10, 2023 11:48 AM
To: Laura Parker
Cc: Andrew Parker
Subject: RE: [EXTERNAL] Re: Ameredev Singh Waterline Release 8.19.2021

Laura,

We hauled of 48 yards of contaminated soil from the Singh water line release. We had 4-12 yards dump trucks take material.

Please call me if you need anything else.

Ryan

Laura Parker

From: Andrew Parker
Sent: Tuesday, January 9, 2024 1:55 PM
To: Laura Parker
Subject: FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 301665

Andrew Parker
Environmental Scientist
970-570-9535



From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, January 9, 2024 12:54 PM
To: Andrew Parker <aparker@ameredev.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 301665

To whom it may concern (c/o Andrew Parker for AMEREDEV OPERATING, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2124629937.

The sampling event is expected to take place:

When: 01/12/2024 @ 09:00

Where: M-16-26S-36E 0 FNL 0 FEL (32.03723,-103.27773)

Additional Information: Andrew Parker 970-570-9535
aparker@ameredev.com

Additional Instructions: From Jal, NM: head South then SW on Highway 205 for approx. 3.5 mi.; at Bennet, continue SW on Frying Pan Road for approximately 4.45 mi; turn west on lease road, at approx. 1.37 mi. turn north on lease road for approx. 1.56 mi.; turn east on lease road for approx. 0.16 mi.; turn north for approx. 0.2 mi; location to the east of road.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

Appendix B

Well Logs



Ameredev II, LLC



2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

June 8, 2023

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record J-00054 POD-1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, J-00054 POD-1

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Lucas Middleton". The signature is fluid and cursive.

Lucas Middleton

Enclosures: as noted above

OCE OCT JUN 14 2023 #032



06 JUN 2023 09:32

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD-1		WELL TAG ID NO. n/a		OSE FILE NO(S). J-00054			
	WELL OWNER NAME(S) Ameredev Operating, LLC				PHONE (OPTIONAL) 737-300-4700			
	WELL OWNER MAILING ADDRESS 2901 Via Fortuna Suite 600				CITY Austin		STATE TX	ZIP 78746
	WELL LOCATION (FROM GPS)	DEGREES 32		MINUTES 2	SECONDS 29.38	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LONGITUDE 103		16	41.57		W	* DATUM REQUIRED: WGS 84
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW NW SW Sec.16 T26S R36E NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 5/22/23		DRILLING ENDED 5/22/23	DEPTH OF COMPLETED WELL (FT) temporary well material		BORE HOLE DEPTH (FT) ±101	DEPTH WATER FIRST ENCOUNTERED (FT) n/a	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL n/a		DATE STATIC MEASURED 5/26/23
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER – SPECIFY: Hollow Stem Auger						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	101	6.25"	Soil Boring	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.		POD NO.	TRN NO.
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	34	34	Sand, medium/ fine-grained, poorly graded, Brown	Y ✓ N	
	34	64	30	Sand, fine-grained, poorly graded, well cemented, Tan/Brown	Y ✓ N	
	64	101	37	Sand, fine-grained, poorly graded, with rounded gravel, Tan/ White	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:						
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Removed temporary well material from soil boring, backfilled with drill cutting from total depth to 10 feet below ground surface, then placed hydrated bentonite from 10 feet to ground surface. See attached plugging record. DTW-25 OSC ON JUN 14 2023 4:03:52					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt						
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:					
	<i>Jack Atkins</i> SIGNATURE OF DRILLER / PRINT SIGNEE NAME				6/1/23 DATE	

FOR OSC INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.

POD NO.

TRN NO.

LOCATION

WELL TAG ID NO.

PAGE 2 OF 2



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: J-00054 POD-1

Well owner: Ameredev Operating, LLC

Phone No.: 737-300-4700

Mailing address: 2901 Via Fortuna Suite 600

City: Austin State: Texas Zip code: 78746

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)
- 2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/25
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Shane Eldridge, Cameron Pruitt
- 4) Date well plugging began: 5/26/23 Date well plugging concluded: 5/26/23
- 5) GPS Well Location: Latitude: 32 deg, 2 min, 29.38 sec
Longitude: 103 deg, 16 min, 41.57 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 101 ft below ground level (bgl),
by the following manner: water level probe
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 1/19/23
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

OGE 911 JUN 14 2023 09:13Z

- For each interval plugged, describe within the following columns:**






25-J-54-WR-20 Well Record and Log-packet-forsign

Final Audit Report

2023-06-08

Created:	2023-06-01
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAA0ts3MwM6HOY-pA554ITX-dVAjWd5Bf

"25-J-54-WR-20 Well Record and Log-packet-forsign" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2023-06-01 - 4:47:28 PM GMT- IP address: 64.17.82.146
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2023-06-01 - 4:47:51 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2023-06-08 - 6:18:29 PM GMT- IP address: 64.90.153.232
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2023-06-08 - 6:19:34 PM GMT - Time Source: server- IP address: 64.90.153.232
-  Agreement completed.
2023-06-08 - 6:19:34 PM GMT

OSE DIT JUN 14 2023 #G132

Appendix C

Certificates of Analysis



Ameredev II, LLC



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

January 19, 2024

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SINGH WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 01/16/24 8:51.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/16/2024
 Reported: 01/19/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: AMEREDEV

Sampling Date: 01/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 13 0-2' (H240172-01)

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	01/16/2024	ND	2.19	109	2.00	1.37	
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44	
Total BTEX	<0.300	0.300	01/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/16/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/16/2024
 Reported: 01/19/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: AMEREDEV

Sampling Date: 01/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 13 2.5' (H240172-02)

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	01/16/2024	ND	2.19	109	2.00	1.37		
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38		
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66		
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44		
Total BTEX	<0.300	0.300	01/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/16/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/16/2024
 Reported: 01/19/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: AMEREDEV

Sampling Date: 01/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 12 0-2' (H240172-03)

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	01/16/2024	ND	2.19	109	2.00	1.37		
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38		
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66		
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44		
Total BTEX	<0.300	0.300	01/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/16/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/16/2024
 Reported: 01/19/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: AMEREDEV

Sampling Date: 01/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 12 2.5' (H240172-04)

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	01/16/2024	ND	2.19	109	2.00	1.37		
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38		
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66		
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44		
Total BTEX	<0.300	0.300	01/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/16/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/16/2024
 Reported: 01/19/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: AMEREDEV

Sampling Date: 01/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 11 0-2' (H240172-05)

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	01/16/2024	ND	2.19	109	2.00	1.37	
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44	
Total BTEX	<0.300	0.300	01/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/16/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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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: 01/16/2024
 Reported: 01/19/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: AMEREDEV

Sampling Date: 01/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 11 2.5' (H240172-06)

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	01/16/2024	ND	2.19	109	2.00	1.37		
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38		
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66		
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44		
Total BTEX	<0.300	0.300	01/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/16/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

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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: 01/16/2024
 Reported: 01/19/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: AMEREDEV

Sampling Date: 01/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 10 0-2' (H240172-07)

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	01/16/2024	ND	2.19	109	2.00	1.37	
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44	
Total BTEX	<0.300	0.300	01/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/16/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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Analytical Results For:

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

Received: 01/16/2024
 Reported: 01/19/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: AMEREDEV

Sampling Date: 01/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 10 2.5' (H240172-08)

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	01/16/2024	ND	2.19	109	2.00	1.37		
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38		
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66		
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44		
Total BTEX	<0.300	0.300	01/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/16/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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Analytical Results For:

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

Received: 01/16/2024
 Reported: 01/19/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: AMEREDEV

Sampling Date: 01/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 09 0-2' (H240172-09)

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	01/16/2024	ND	2.19	109	2.00	1.37	
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44	
Total BTEX	<0.300	0.300	01/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/16/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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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: 01/16/2024
 Reported: 01/19/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: AMEREDEV

Sampling Date: 01/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 09 2.5' (H240172-10)

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	01/16/2024	ND	2.19	109	2.00	1.37		
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38		
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66		
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44		
Total BTEX	<0.300	0.300	01/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/16/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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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: 01/16/2024
 Reported: 01/19/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: AMEREDEV

Sampling Date: 01/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 07 0-2' (H240172-11)

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	01/16/2024	ND	2.19	109	2.00	1.37		
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38		
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66		
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44		
Total BTEX	<0.300	0.300	01/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	01/16/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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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: 01/16/2024
 Reported: 01/19/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: AMEREDEV

Sampling Date: 01/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 07 2.5' (H240172-12)

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	01/16/2024	ND	2.19	109	2.00	1.37	
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44	
Total BTEX	<0.300	0.300	01/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	01/16/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- 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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 2

Company Name: Amecelus LLC Project Manager: Andrew Parker Address: City: State: Zip: Phone #: Fax #: Project #: Project Owner: Amecelus Project Name: Singh Water line Project Location: Amecelus Sampler Name: Andrew Esquivel FOR LAB USE ONLY		BILL TO P.O. #: Company: Amecelus LLC Attn: A. Parker Address: AN-File City: State: Zip: Phone #: Fax #: Project Name: Singh Water line Project Location: Amecelus Sampler Name: Andrew Esquivel		ANALYSIS REQUEST TPH BTEX Benzene chloride			
Lab I.D. H340173		Sample I.D. 1 CS-13 0-2 Ft. 10:45 2 CS-13 2.5 Ft. 10:56 3 CS-12 0-2 Ft. 11:15 4 CS-12 2.5 Ft. 11:36 5 CS-11 0-2 Ft. 12:34 6 CS-11 2.5 Ft. 12:57 7 CS-10 0-2 Ft. 1:24 8 CS-10 2.5 Ft. 1:29 9 CS-09 0-2 Ft. 1:45 10 CS-09 2.5 Ft. 1:53		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE 01/15/24 TIME 10:45		MATRIX PRESERV SAMPLING	
Relinquished By: Date: 1-16-24 Time: 8:51 Received By: [Signature] Date: [Signature] Time: [Signature]		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: Remarks: Parker@amecelus.com		Standard <input type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Sample Condition Cool Intact <input type="checkbox"/> Observed Temp. °C Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C Thermometer ID #140 Correction Factor 0°C			
Delivered By: (Circle One) Sampler - UPS - Buis - Other:		Observed Temp. °C Corrected Temp. °C		Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Checked By: (Initials) Turnaround Time:			

† Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

202

Page 16 of 16



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

January 19, 2024

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SINGH WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 01/16/24 8:51.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/16/2024
 Reported: 01/19/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: AMEREDEV

Sampling Date: 01/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 08 0-2' (H240173-01)

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	01/16/2024	ND	2.19	109	2.00	1.37	
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44	
Total BTEX	<0.300	0.300	01/16/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	01/16/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/16/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/16/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/16/2024
 Reported: 01/19/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: AMEREDEV

Sampling Date: 01/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 08 0-2 - 2.5' (H240173-02)

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	01/16/2024	ND	2.19	109	2.00	1.37	
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44	
Total BTEX	<0.300	0.300	01/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	01/16/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/17/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/17/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/16/2024
 Reported: 01/19/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: AMEREDEV

Sampling Date: 01/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 08 2.5-3.5' (H240173-03)

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	01/16/2024	ND	2.19	109	2.00	1.37	
Toluene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/16/2024	ND	2.21	110	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/16/2024	ND	6.71	112	6.00	1.44	
Total BTEX	<0.300	0.300	01/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	01/16/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2024	ND	227	114	200	19.3	
DRO >C10-C28*	<10.0	10.0	01/17/2024	ND	225	112	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	01/17/2024	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- 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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

January 23, 2024

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: SINGH WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 01/18/24 14:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2024
 Reported: 01/23/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - SOURCE 0-2 FT. (H240217-01)

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	01/19/2024	ND	2.25	112	2.00	5.40	
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/18/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2024
 Reported: 01/23/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - SOURCE 2.5 FT. (H240217-02)

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	01/19/2024	ND	2.25	112	2.00	5.40	
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661	
Total BTEx	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2024
 Reported: 01/23/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 01 0-2 FT. (H240217-03)

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	01/19/2024	ND	2.25	112	2.00	5.40		
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05		
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778		
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661		
Total BTEX	<0.300	0.300	01/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/19/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2024
 Reported: 01/23/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 01 2.5 FT. (H240217-04)

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	01/19/2024	ND	2.25	112	2.00	5.40		
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05		
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778		
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661		
Total BTEX	<0.300	0.300	01/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/19/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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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: 01/18/2024
 Reported: 01/23/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 02 0-2 FT. (H240217-05)

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	01/19/2024	ND	2.25	112	2.00	5.40	
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

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

Received: 01/18/2024
 Reported: 01/23/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 02 2.5 FT. (H240217-06)

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	01/19/2024	ND	2.25	112	2.00	5.40	
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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

Received: 01/18/2024
 Reported: 01/23/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 03 0-2 FT. (H240217-07)

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	01/19/2024	ND	2.25	112	2.00	5.40	
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

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

Received: 01/18/2024
 Reported: 01/23/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 03 2.5 FT. (H240217-08)

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	01/19/2024	ND	2.25	112	2.00	5.40		
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05		
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778		
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661		
Total BTEX	<0.300	0.300	01/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/19/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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

Received: 01/18/2024
Reported: 01/23/2024
Project Name: SINGH WATER LINE
Project Number: NONE GIVEN
Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS - 04 0-2 FT. (H240217-09)

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	01/19/2024	ND	2.03	101	2.00	6.88	
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

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

Received: 01/18/2024
 Reported: 01/23/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 04 2.5 FT. (H240217-10)

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	01/19/2024	ND	2.03	101	2.00	6.88	
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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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: 01/18/2024
 Reported: 01/23/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 05 0-2 FT. (H240217-11)

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	01/19/2024	ND	2.03	101	2.00	6.88		
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95		
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70		
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58		
Total BTEX	<0.300	0.300	01/19/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	01/19/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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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: 01/18/2024
 Reported: 01/23/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 05 2.5 FT. (H240217-12)

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	01/19/2024	ND	2.03	101	2.00	6.88	
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	01/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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

Received: 01/18/2024
 Reported: 01/23/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 06 0-2 FT. (H240217-13)

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	01/19/2024	ND	2.03	101	2.00	6.88	
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2024
 Reported: 01/23/2024
 Project Name: SINGH WATER LINE
 Project Number: NONE GIVEN
 Project Location: SINGH WATER LINE

Sampling Date: 01/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 06 2.5 FT. (H240217-14)

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	01/19/2024	ND	2.03	101	2.00	6.88	
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Amereved LLC						BILL TO						ANALYSIS REQUEST											
Project Manager: Andrew Parker						P.O. #:																	
Address: ON-File						Company: Amereved LLC																	
City:						Attn: Aparker@amereved.com																	
State:						Address: CA-File																	
Phone #:						City:																	
Fax #:						State:																	
Project #: 						Zip:																	
Project Name: Sign Water Line						Phone #:																	
Project Location: Sign Water Line						Fax #:																	
Sampler Name: Arden Escalada																							
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING											
				GROUNDWATER		WASTEWATER																	
H440A17 11 CS-05 12 CS-05 13 CS-04 14 CS-04		0.2 FT. 0.5 FT. 0.2 FT. 0.5 FT.		X		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE: ICE / COOL		DATE TIME		TPH BTEX Benzene Chloride					
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of its "as hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																							
Relinquished By:						Received By:						Verbal Results: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Add'l Phone #:											
Lyn: 1-18-24						Time: 1:40						All Results are emailed. Please provide Email address:											
Relinquished By:						Received By:						REMARKS:											
Date: Time:						Date: Time:																	
Delivered By: (Circle One)						Observed Temp. °C						Sample Condition											
Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>						Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>						CHECKED BY: (Initials)											
Sampler - UPS - Bus - Other:						Corrected Temp. °C						Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>											
												Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C Corrected Temp. °C											

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 306246

QUESTIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID:
	372224
	Action Number:
	306246
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2124629937
Incident Name	NAPP2124629937 SINGH WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Singh Water Line
Date Release Discovered	08/19/2021
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Blow Out Pipeline (Any) Produced Water Released: 100 BBL Recovered: 60 BBL Lost: 40 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	poly pipeline rupture

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QUESTIONS, Page 2

Action 306246

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID:
	372224
	Action Number:
	306246
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS**Nature and Volume of Release (continued)**

Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

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	False
If all the actions described above have not been undertaken, explain why	1. Make a one call 2. Obtain Right of Entry from State Land Office

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

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

I hereby agree and sign off to the above statement	Name: Andrew Parker Title: Environmental Scientist Email: aparker@ameredev.com Date: 02/16/2024
--	--

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QUESTIONS, Page 3

Action 306246

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID:	372224
	Action Number:	306246
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between ½ and 1 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
---	-----

Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.

Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

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

Chloride (EPA 300.0 or SM4500 Cl B)	1010
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	30
GRO+DRO (EPA SW-846 Method 8015M)	20
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	04/01/2024
On what date will (or did) the final sampling or liner inspection occur	04/04/2024
On what date will (or was) the remediation complete(d)	04/08/2024
What is the estimated surface area (in square feet) that will be reclaimed	1200
What is the estimated volume (in cubic yards) that will be reclaimed	156
What is the estimated surface area (in square feet) that will be remediated	900
What is the estimated volume (in cubic yards) that will be remediated	156

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

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

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QUESTIONS, Page 4

Action 306246

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID:	372224
	Action Number:	306246
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Andrew Parker Title: Environmental Scientist Email: aparker@ameredev.com Date: 02/16/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 306246

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 306246
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

District I

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QUESTIONS, Page 6

Action 306246

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID:
	372224
	Action Number:
	306246
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	319211
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/17/2024
What was the (estimated) number of samples that were to be gathered	13
What was the sampling surface area in square feet	40000

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	No
--	----

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CONDITIONS

Action 306246

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID:
	372224
	Action Number:
	306246
Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved with conditions. On pg. 6 of report it states: "The upper 1-1.5 ft of overburden at CS-05 that tested below closure criteria during the January 2024 sampling event will be stockpiled and tested for re-use as backfill material." If Ameredev plans to use this material, at least one (1) representative 5-point composite sample will need to be collected per every 50 cubic yards of soil from the backfill material that will be used for the reclamation of the top four feet of the excavation and laboratory results need to be submitted to the OCD. If the material being proposed to be used as backfill returns results above 600 mg/kg Cl, 100 mg/kg TPH, 50 mg/kg BTEX, 10 mg/kg benzene, the material cannot be used. The acceptance of this 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.	3/13/2024
scwells	In addition, OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. On pg. 5 of report it states: "Vertical delineation of the area around sample point CS-05 will occur during remediation." Ensure this area is vertically delineated during remediation. Submit remediation closure report to the OCD by 6/9/24.	3/13/2024