



Ameredev II, LLC

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

September 3, 2024

New Mexico Oil Conversation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RE: Characterization and Remediation Plan
Incident ID: nAPP2416135052 and nAPP2416148867
Proj. ID #: 20240606-1605-toFT6S and 20240608-1745-to115H
Location: Tea Olive/Firethorn 6S 115H

NMOCD:

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

Incident # nAPP2416135052 occurred on June 6, 2024 when a Cudd Blender operator overflowed the tub during wireline operations (during active frac operations). The release was estimated at 6 bbls with 5 bbls recovered. Incident nAPP2416148867 occurred on June 8, 2024 when a Cudd Blender operator overflowed the tub during frac stage. The release was estimated at 65 bbls with 60 bbls, rapidly recovered. The second release comingled with and extended over the entire first release extent.

Incident # nAPP2416148867 was reported as a major release based on volume (> 25 bbls) on June 9, 2024.

Communication with NMOCD directed including both comingled releases in the same report, with separate online submission of the report for each incident. Communications are included in Appendix A.

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. Both releases occurred during frac operations and personnel could not access the area to assess the extent of the releases due to location of production equipment and health and safety concerns.

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The horizontal extent of the release was assessed following completion of frac operations and was determined by visual observations while the release flow pattern was visible and mapped utilizing GPS technology with sub-meter accuracy. The extent was further evaluated with the use of an Electromagnetic Induction Survey used to measure apparent “soil salinity”. Figure 1 shows the comingled release extent.



Figure 1: View of release viewing southwest from the northeast extent.
 Date Taken: 2024-07-15 09:23:08. GPS: 32.0791913, -103.2686394

1.1. Site Map

Plate 1 shows the comingled release extent and respective source points relative to the production site, pipelines, and utilities. The source coordinates for Incident # nAPP2416135052 are 32.0787659, -103.2687228 (Lat, Long; NAD83) and the source coordinates for Incident # nAPP2416148867 are 32.0788104, -103.2688126 (Lat, Long; NAD83). The comingled release extent measures approximately 6430 square feet.

Site Characterization		
What is the shallowest depth to groundwater (ft bgs)	Plate 2	>101 ft - CP-1952 POD 1 – 1262 ft SW of location
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:		
• A continuously flowing watercourse or any other significant watercourse.	Plate 4	Intermittent stream located 1038 ft to SW
• Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark).	Plate 4	Lake/Pond located 1.72 miles to the NW
• An occupied permanent residence, school, hospital, institution or church.	Plate 5	Ranch located 1.81 miles to the SE

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A spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes. Plate 3a	CP-0938 - 1762 feet to the NE – Livestock watering
Any other fresh water well or spring. Plate 3a	CP-0938 - 1762 feet to the NE – Livestock watering
Incorporated municipal boundaries or a defined municipal fresh water well field. Plate 3b	2.88 miles SW of the location
A wetland. Plate 6	Freshwater Pond – 1.72 miles to the NW
A subsurface mine. Plate 7	>5 miles
A (non-karst) unstable area.	>5 miles
Categorize the risk of this well/site being in a karst geology. Plate 8	Low
A 100-year floodplain. Plate 9	4.25 miles to the NE
Did the release impact areas not on an exploration, development, production, or storage site?	No

1.2. Depth to Ground Water

The nearest depth-to-water measurement, dated 02/09/2023, relative to the release extent, is mapped on Plate 2. This borehole has been plugged. The Office of the State Engineer well log is attached in Appendix B:

- MISC-422 (CP-1952 POD 1) is located 1262 ft SW of the releases. 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) on a well pad in use for oil and gas production.

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

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

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The lithology as described by the NRCS is consistent with observed lithology during sampling event at most sample points.

1.4 Site Delineation

Ameredev performed site characterization and delineation sampling on August 28 and 29, 2024. Samples obtained from CS-01, CS-02, CS-03 and CS-04 provided horizontal delineation. Samples obtained from CS-06, CS-07 and CS-08 provided vertical delineation. Vertical delineation at CS-05 was limited by hand auger refusal. Vertical delineation at the CS-05 location will be obtained at the time of remediation.

- Sample point coordinates are located in Table A
- Characterization/delineation sample point locations are shown in Plate 10
- Summary of Analytical is shown in Table B
- Certificates of Analysis are located in Appendix C

Closure Criteria for releases on-site at an active production site for oil and gas operations, where depth to water is > 100 ft and based on above setback data; closure criteria per Table 1 of 19.15.29 NMAC are:

- 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

Review of analytical reveals that the areas of concern center around

- CS-05, where chloride is constituent of concern, meeting closure criteria as defined above at 2 ft bgs.
- CS-07, where TPH is the constituent of concern, meeting closure criteria as defined above at 2 ft bgs.

2. Remediation Plan

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>)?	Yes

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Was this release entirely contained within a lined containment area?	No
Soil Contamination Sampling (Highest observable value for each in mg/kg)	
• Chloride	40,000
• TPH (DRO+GRO+MRO)	1777
• GRO+DRO	1350
• BTEX	<0.3
• Benzene	<0.05
On what estimated date will the remediation commence	11/04/2024
On what date will (or did) the final sampling or liner inspection occur	11/11/2024
On what date will (or was) the remediation completed	11/18/2024
What is the estimated surface area (in square feet) that will be reclaimed	1750
What is the estimated volume (in cubic yards) that will be reclaimed	130
What is the estimated surface area (in square ft) that will be remediated	1750
What is the estimated volume (in cubic yards) that will be remediated	130
The remediation will (or is expected to) utilize the following processes to remediate/reduce contaminants:	
• Excavation and off-site disposal	Yes

Ameredev proposes that remediation activities will commence by 11/04/2024 or within 60 days of remediation plan approval. All soils impacted to a level above closure criteria for on site use will be excavated and hauled off site to an approved disposal facility. It is anticipated that the remediation and restoration process will take 2 weeks.

Excavation will be centered around the two areas of concern noted above and will extend outwards until all base and wall samples meet above closure criteria. Five-point composite confirmation samples will be obtained from base and wall areas where excavation occurs and analyzed for constituents of concern listed on Table 1 19.15.29 NMAC of with all base and wall sample grids not exceeding 200 sq ft.

To meet closure criteria requirements, it is anticipated that excavation will occur to a depth of 2 feet. It is estimated that excavation around CS-05 may include an area of 1000 sq ft, and excavation around CS-07 may include 750 sq ft for a total of 3500 cubic feet. It is estimated that

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130 cubic yards of impacted material will be removed from the site. Estimation is based on available delineation sample analytical.

When remediation and confirmation sampling is complete, the area will be backfilled with clean, soil with confirmed with sampling of backfill material for all constituents of concern.

3. Surface Restoration

The release extent will be restored per 19.15.29.13. A-C NMAC to prior condition as an active production site, and will be compacted, or otherwise stabilized and maintained in such a way as prevent ponding of water and to minimize dust and erosion. The release area will be reclaimed when the location is no longer in use for oil and gas operations to the original condition or final land use per 19.15.29.13.D NMAC.

Sincerely,



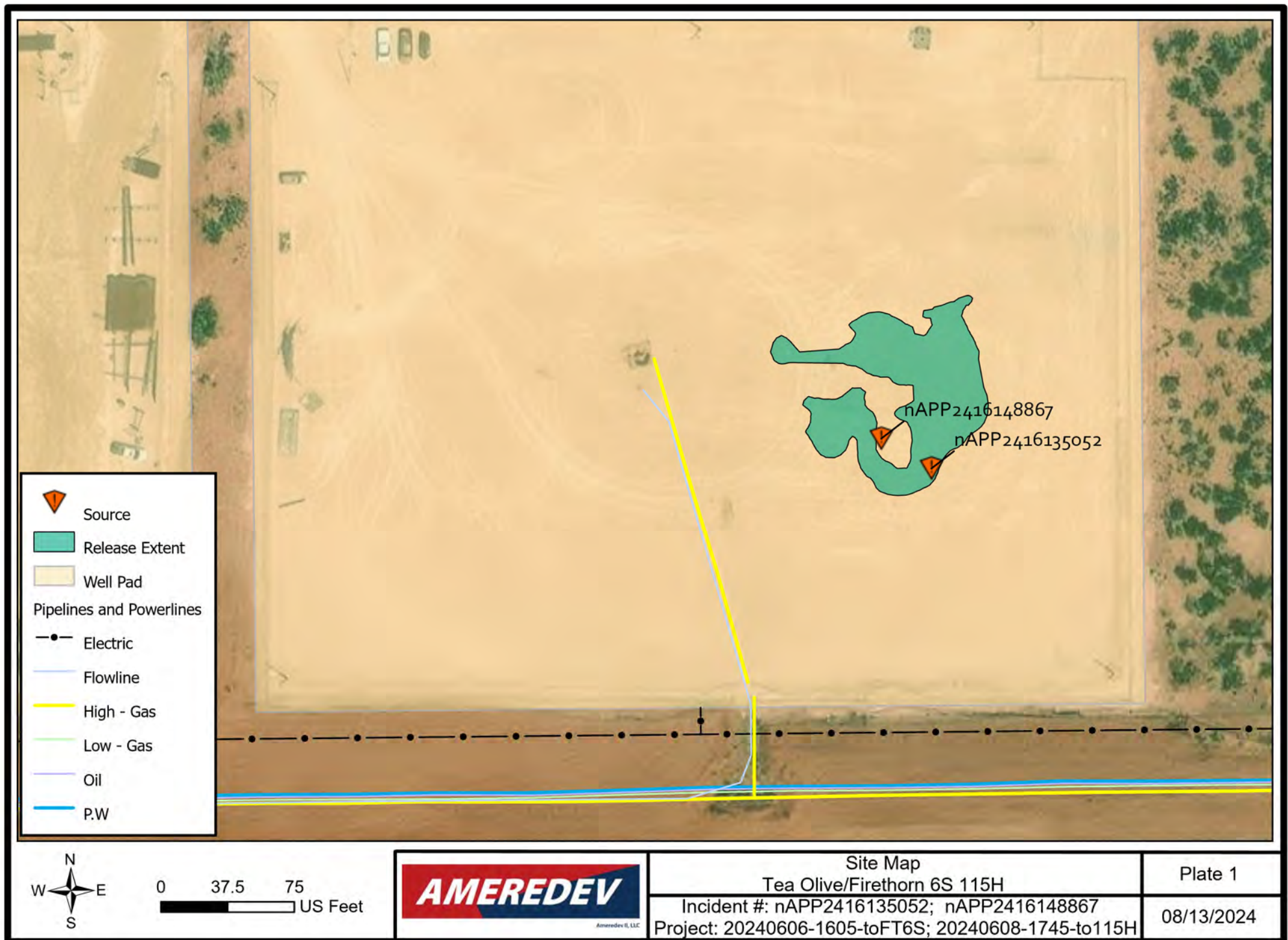
Andrew Parker
Environmental Scientist

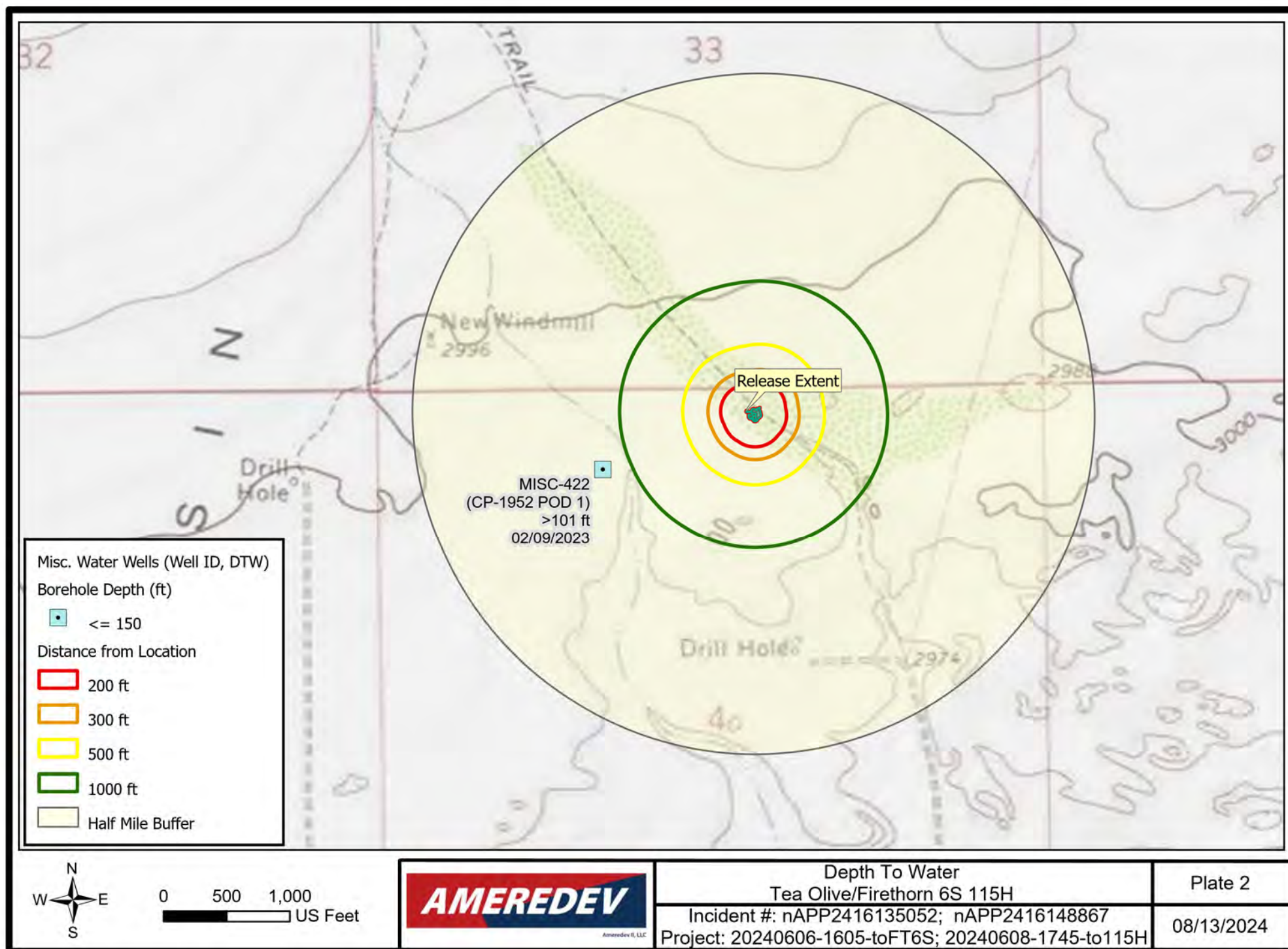
08/03/2024

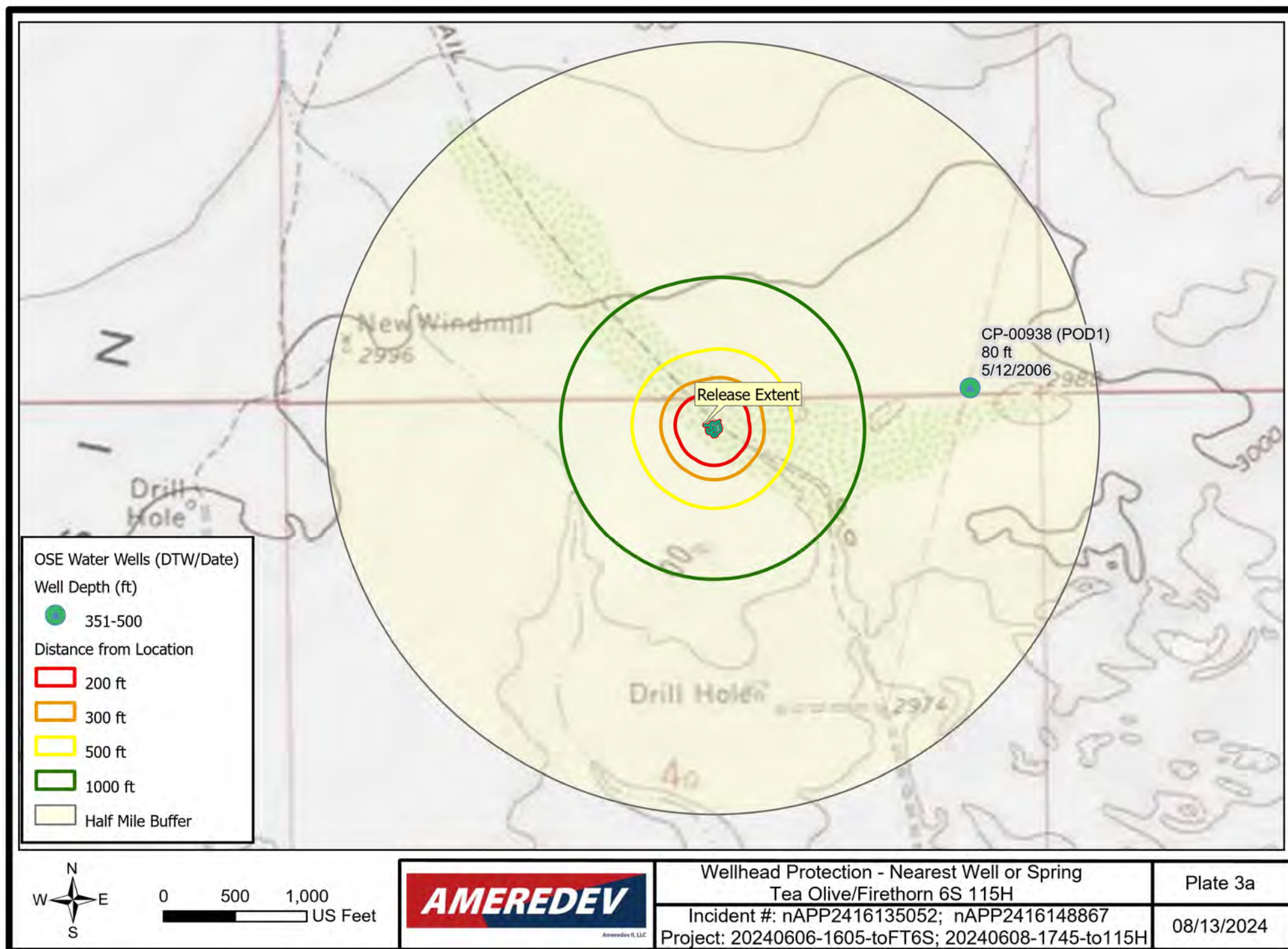
Plates

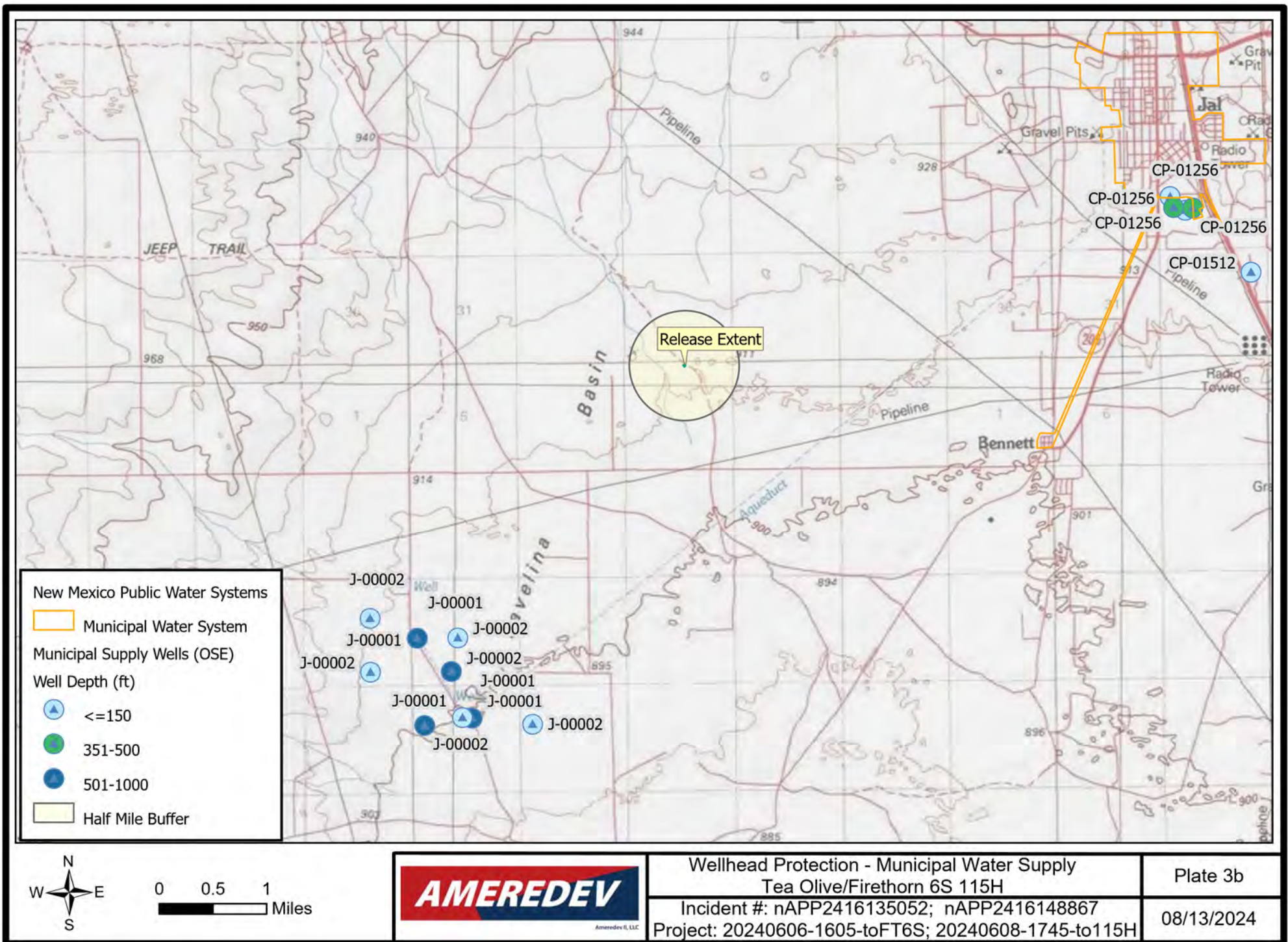


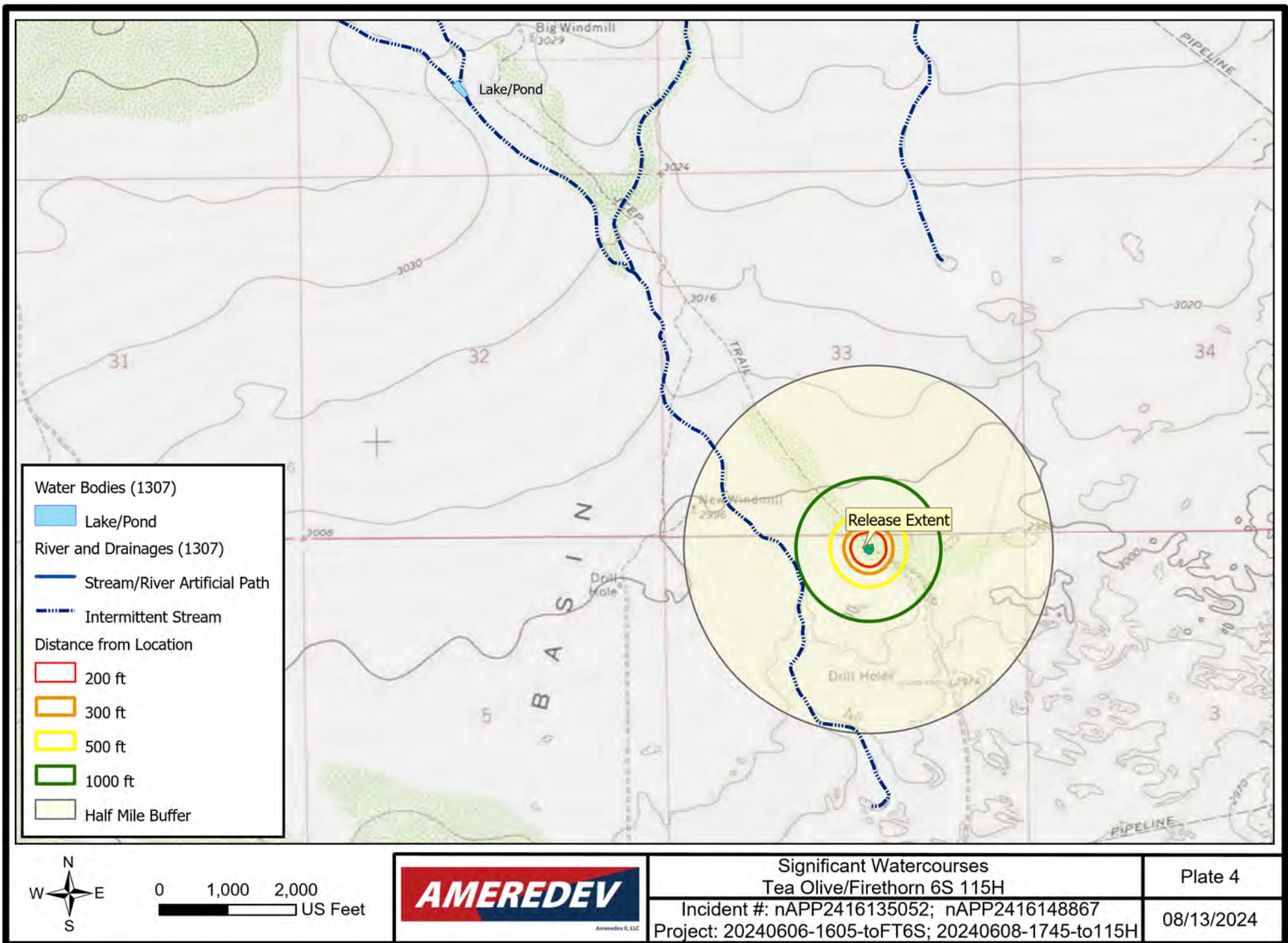
Ameredev II, LLC

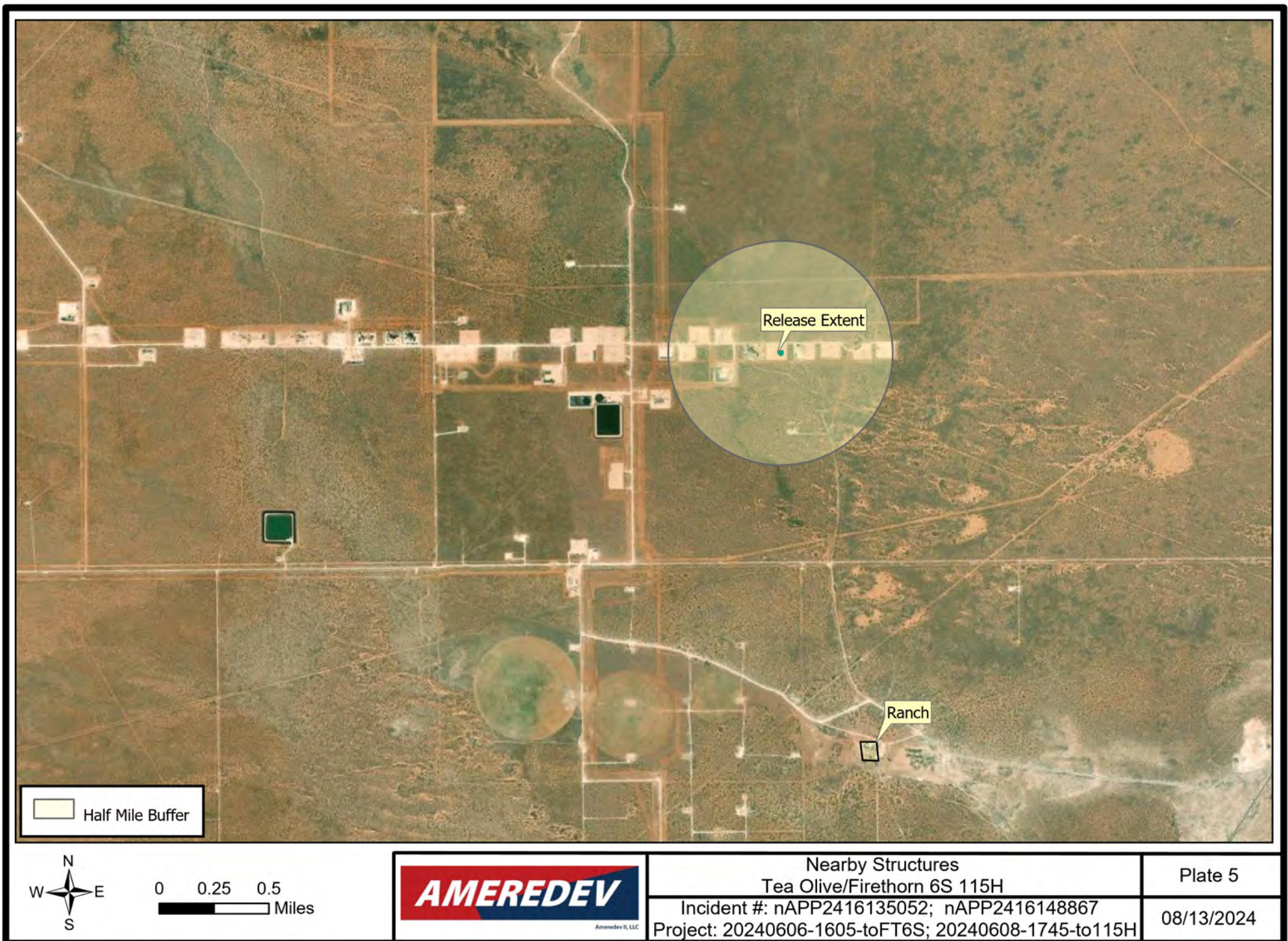




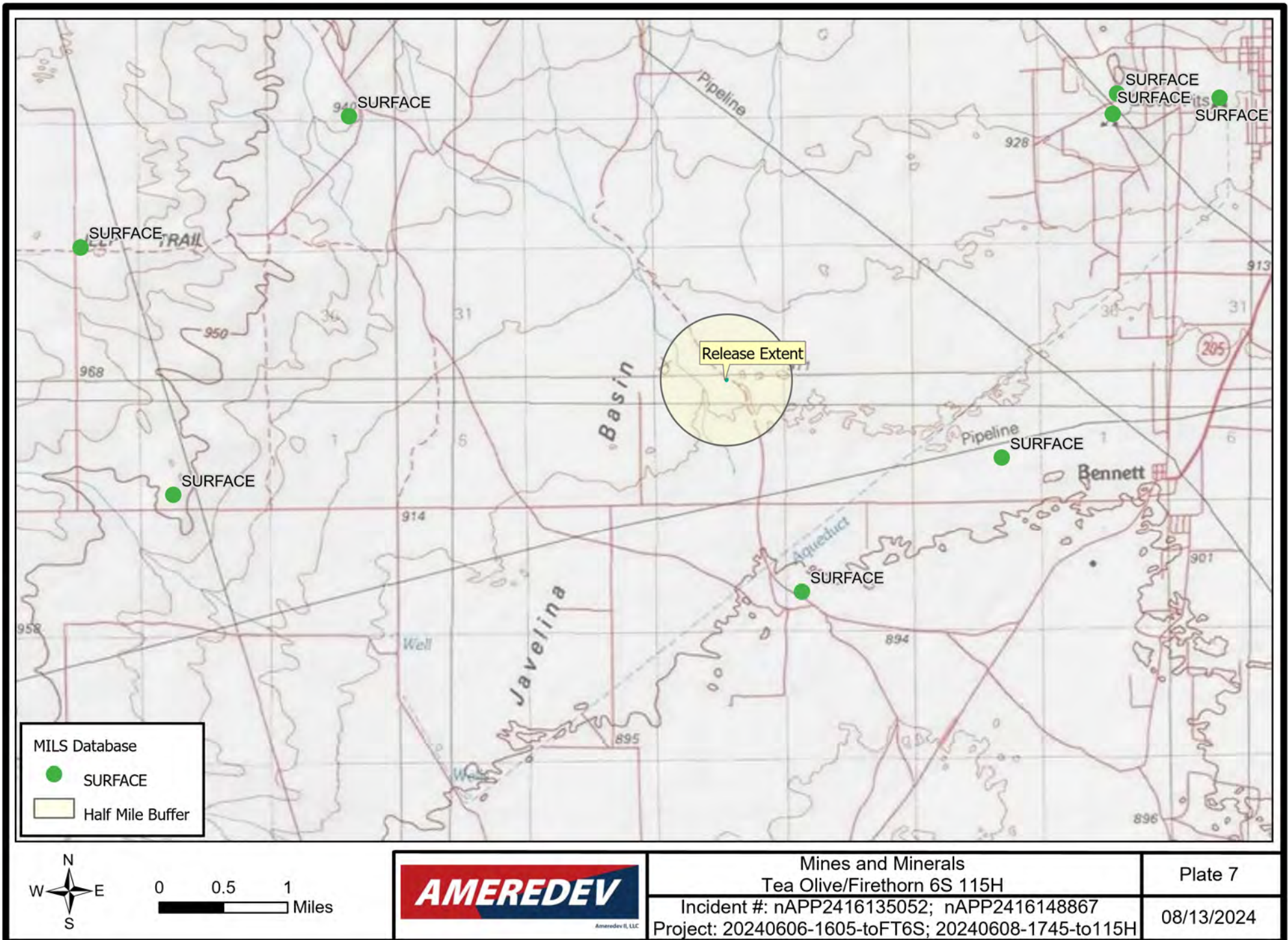


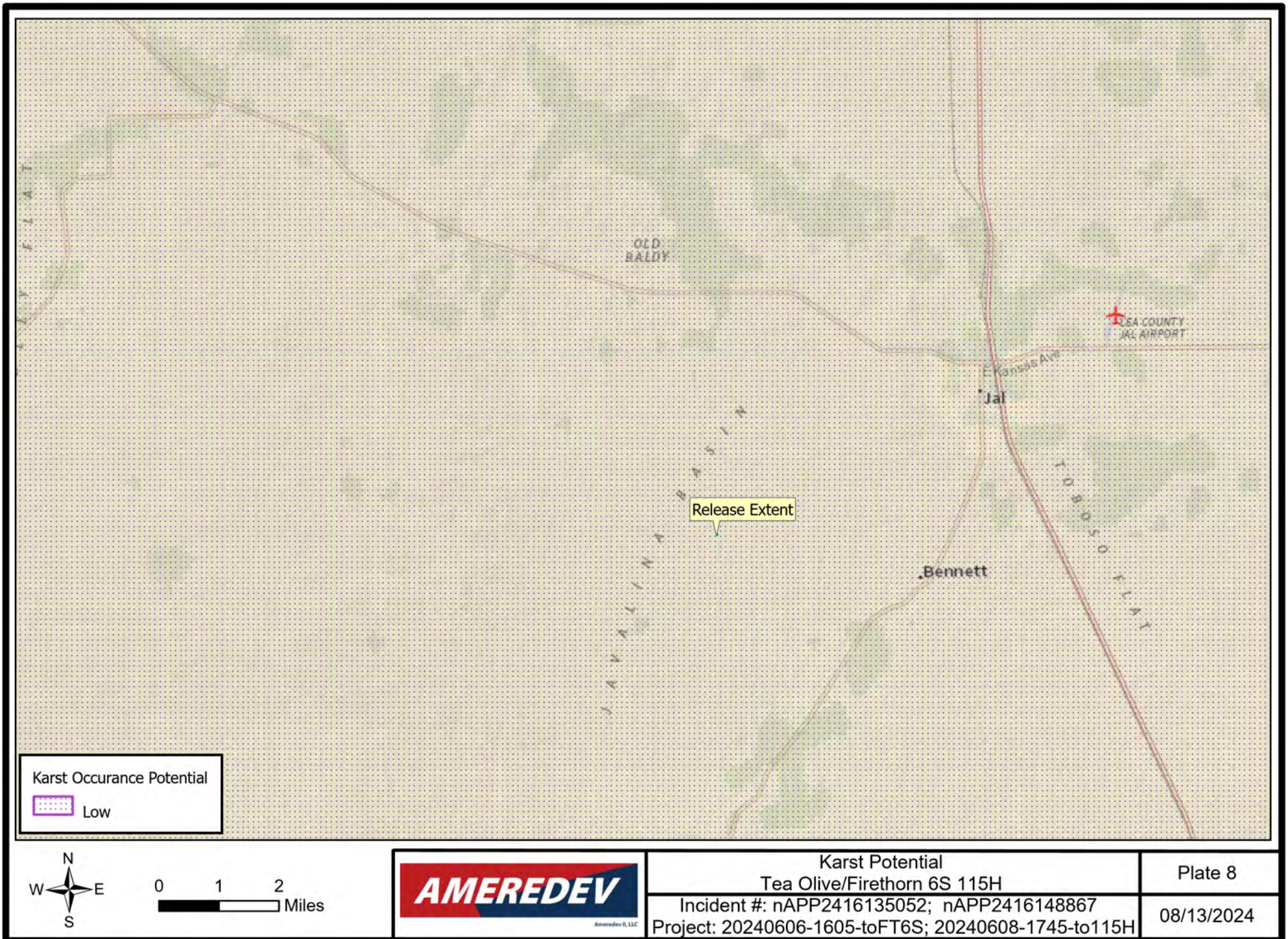


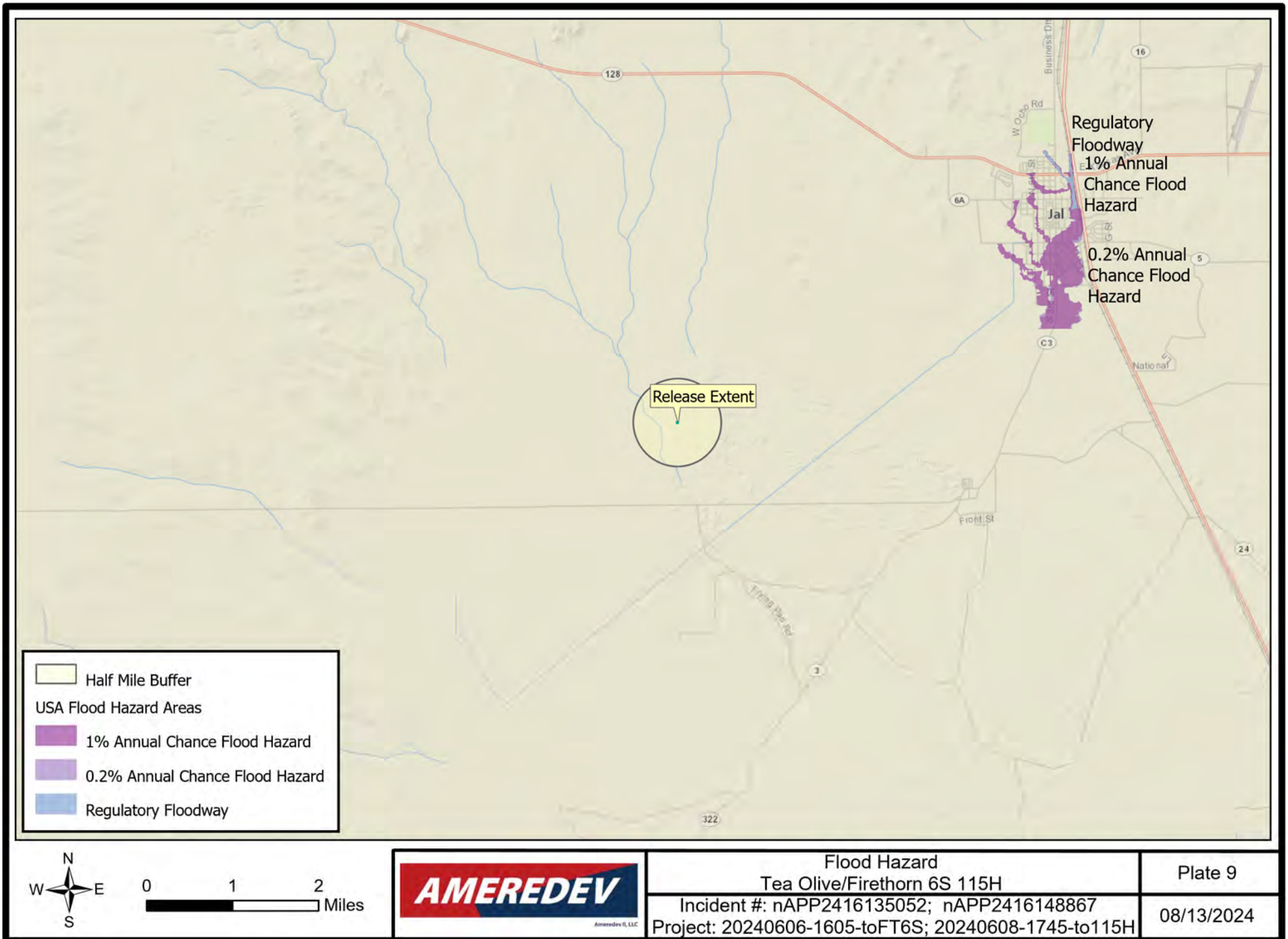


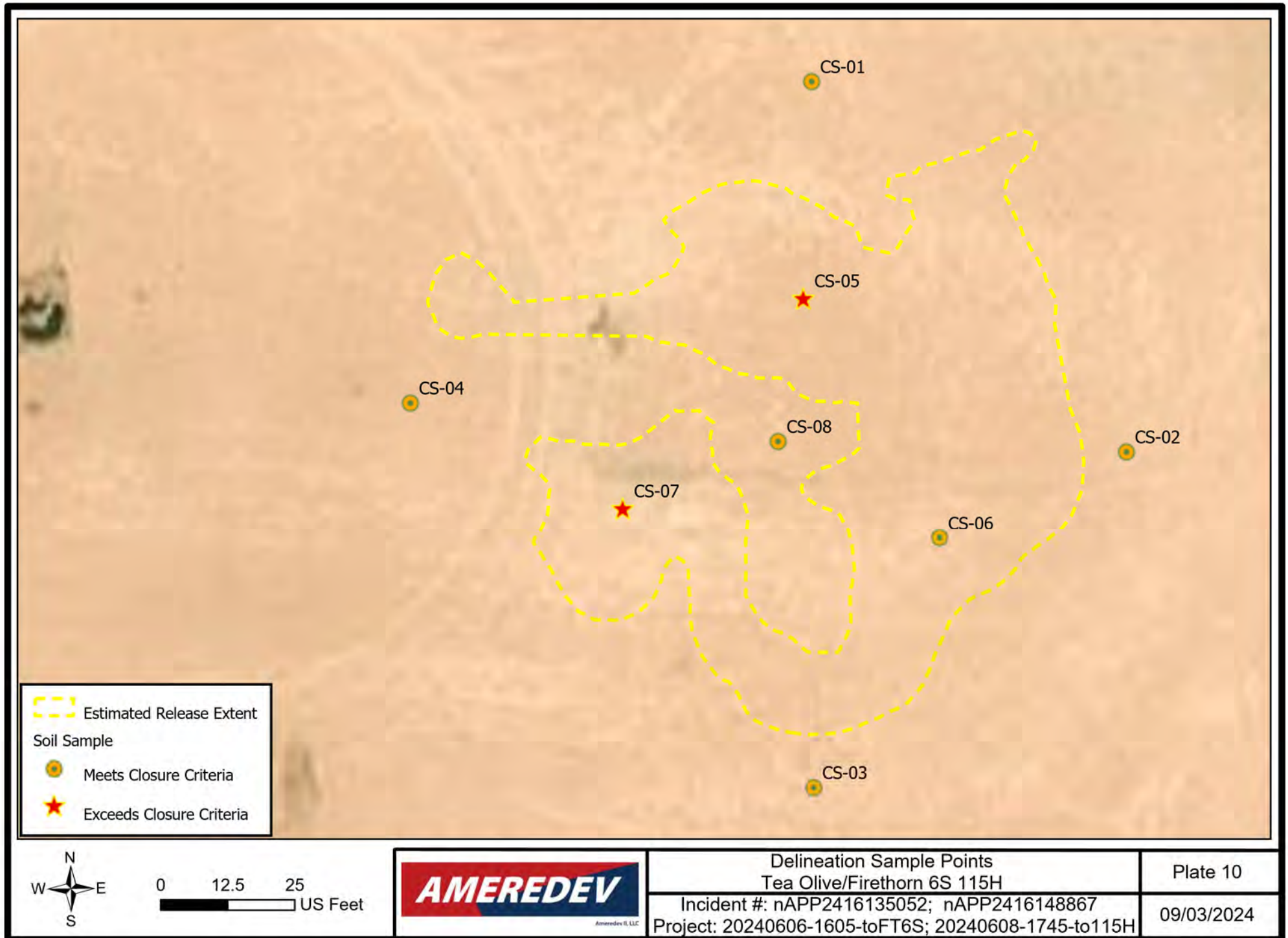












Tables



Ameredev II, LLC

September 3, 2024

Table A
Sample Point Coordinates

Incident ID: nAPP2416135052
nAPP2416148867
Proj ID #: 20240606-1605-toFT6S
20240608-1745-to115H
Location: Tea Olive/Firethorn 6S 115H

Sample Name	Coordinates
CS-01	103.2687773°W 32.0790579°N
CS-02	103.2685903°W 32.0788664°N
CS-03	103.2687824°W 32.0786953°N
CS-04	103.2690227°W 32.0788939°N
CS-05	103.2687854°W 32.0789448°N
CS-06	103.2687053°W 32.0788244°N
CS-07	103.2688943°W 32.0788384°N
CS-08	103.2687998°W 32.0788747°N

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Table B
Summary of AnalyticalIncident ID: nAPP2416135052
nAPP2416148867
Proj. ID #: 20240606-1605-toFT6S
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Location: Tea Olive/Firethorn 6S 115H

Sample ID	Date	Discrete Depth (Feet)	Location	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Comments	Lab	Lab #
										(Hall/Cardinal)	
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-01	8/28/2024	0	in use	464	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H245278
	8/28/2024	2	in use	32	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H245278
	8/28/2024	4	in use	16	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H245278
CS-02	8/28/2024	0	in use	80	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H245278
	8/28/2024	2	in use	<16	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H245278
	8/28/2024	4	in use	<16	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H245278
CS-03	8/28/2024	0	in use	16	<37.2	<47.2	<0.05	<0.3	Horizontal Delineation	Cardinal	H245278
	8/28/2024	2	in use	16	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H245278
	8/28/2024	4	in use	<16	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H245278
CS-04	8/28/2024	0	in use	240	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H245278
	8/28/2024	2	in use	48	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H245278
	8/28/2024	4	in use	32	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H245278
CS-05	8/28/2024	0	in use	40,000	<32.2	<42.2	<0.05	<0.3		Cardinal	H245278
	8/28/2024	2	in use	2,720	<20	<30	<0.05	<0.3		Cardinal	H245278
	8/28/2024	4	in use	3000	<20	<30	<0.05	<0.3		Cardinal	H245278
	8/28/2024	6	in use	1090	<20	<30	<0.05	<0.3		Cardinal	H245278
	8/28/2024	7	in use	NS	NS	NS	NS	NS	Auger Refusal	Cardinal	H245278
CS-06	8/29/2024	0	in use	10,000	<20	<30	<0.05	<0.3		Cardinal	H245278
	8/29/2024	2	in use	80	<20	<30	<0.05	<0.3	Vertical Delineation	Cardinal	H245278
CS-07	8/29/2024	0	in use	4,800	<1350	<1777	<0.05	<0.3		Cardinal	H245278
	8/29/2024	2	in use	176	<20	<30	<0.05	<0.3	Vertical Delineation	Cardinal	H245278
CS-08	8/29/2024	0	in use	3,280	<20	<30	<0.05	<0.3		Cardinal	H245278
	8/29/2024	2	in use	1,060	<20	<30	<0.05	<0.3		Cardinal	H245278
	8/29/2024	4	in use	48	<20	<30	<0.05	<0.3	Vertical Delineation	Cardinal	H245278
NS = Not Sampled											
Exceeds Closure Criteria											

Appendix A

Communications



Ameredev II, LLC

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

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

QUESTIONS

Action 352149

QUESTIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 352149
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	20240606-1605-toFT6S
Date Release Discovered	06/06/2024
Surface Owner	Private

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: Human Error Frac Tank Produced Water Released: 7 BBL Recovered: 6 BBL Lost: 1 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)	Not answered.

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QUESTIONS, Page 2
Action 352149

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 352149
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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ACKNOWLEDGMENTS

Action 352149

ACKNOWLEDGMENTS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 352149
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
☒	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
☒	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
☒	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.
☒	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
☒	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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CONDITIONS

Action 352149

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 352149
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
aparker1969	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	6/9/2024

June 9, 2024

Volume Calculations

nAPP2416135052

Proj ID: 20240606-1605-toFT6S

Spill Dimensions to Volume of Release						From GIS	
Input	volume of affected soil	[feet^3]	1105.80			Sq. Ft	1843
Input	Porosity: typically is .35 to .40 for most soils	[-]	0.35			Depth (ft)	0.6
Input	Proportion of porosity filled with release fluid [0,1]	[-]	0.10			Cu. Ft	1105.8
Output	volume of fluid	[feet^3]	38.7				
		[gal]	289.5				
		Barrels	6.9				

From: [Andrew Parker](#)
To: [Laura Parker](#)
Subject: FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 352149
Date: Sunday, June 9, 2024 10:46:22 AM

Andrew Parker
Environmental Scientist
970-570-9535



From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Sunday, June 9, 2024 9:44 AM
To: Andrew Parker <aparker@amererev.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 352149

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

The OCD has accepted the submitted *Notification of a release* (NOR), for incident ID (n#) nAPP2416135052, with the following conditions:

- **When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.**

Please reference nAPP2416135052, on all subsequent C-141 submissions and communications regarding the remediation of this release.

NOTE: As of December 2019, NMOCD has discontinued the use of the "RP" number.

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

ocd.enviro@state.nm.us

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

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

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

QUESTIONS

Action 352321

QUESTIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 352321
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	20240608-1745-to115H
Date Release Discovered	06/08/2024
Surface Owner	Private

Incident Details <i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	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 <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Frac Tank Produced Water Released: 65 BBL Recovered: 60 BBL Lost: 5 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)	Not answered.

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QUESTIONS, Page 2

Action 352321

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 352321
	Action Type: [NOTIFY] Notification Of Release (NOR)

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	True
If all the actions described above have not been undertaken, explain why	Not answered.
Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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ACKNOWLEDGMENTS

Action 352321

ACKNOWLEDGMENTS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 352321
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
☒	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
☒	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
☒	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.
☒	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
☒	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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CONDITIONS

Action 352321

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 352321
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
aparker1969	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	6/9/2024

Volume Calculation
Incident ID#: nAPP2416148867
Proj ID: 20240608-1745-to115H

Spill Dimensions to Volume of Release			
Input	volume of affected soil	[feet^3]	10400.00
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]	364.0
		[gal]	2722.9
		Barrels	64.8

From: OCDOnline@state.nm.us
To: [Andrew Parker](#)
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 352698
Date: Monday, June 10, 2024 2:36:24 PM

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

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

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2416148867, with the following conditions:

- **None**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Shelly Wells
Environmental Specialist-A
505-469-7520
Shelly.Wells@emnrd.nm.gov

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

From: [Wells, Shelly, EMNRD](#)
To: [Laura Parker](#)
Cc: [Andrew Parker](#); [Bratcher, Michael, EMNRD](#)
Subject: RE: [EXTERNAL] Reporting question
Date: Monday, August 12, 2024 9:50:48 AM

Good morning Laura,

From pg. 8 of the December 1, 2023 Public Notice, Cancellation of an incident applies in the following cases:

- o Association API#, Facility # were incorrectly recorded.
- o Locational Data, Unit Letter, Section, Township, Range, Latitude and Longitude incorrectly recorded.
- o Duplicate incidents were reported.
- o False incident or incident was not reportable.
- o Venting/Flaring event was incorrectly reported on C-141 and needs to be reported on C-129.
- o Responsible operator incorrectly reported.

Since these are two separate releases in the same location, the same report can be submitted for both but you will submit it for nAPP2416135052 and then nAPP2416148867, individually. Hope this helps!

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Laura Parker <lparker@ameredev.com>
Sent: Monday, August 12, 2024 8:45 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Andrew Parker <aparker@ameredev.com>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Subject: [EXTERNAL] Reporting question

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

NMOCD

Please advise as to approach to take for reporting 2 separate releases that occurred on the same location, within 2 days of each other.

6/6/2024 - nAPP2416135052 - 7 bbls produced water (6 bbls recovered)

6/8/2024 - nAPP2416148867 – 65 bbls produced water (60 bbls recovered)

The release on 6/8/2024 completely encompassed the area of the 6/6/2024 release, therefore the remediation effort for 6/8/2024 - nAPP2416148867 will be inclusive of the 6/6/2024 - nAPP2416135052 release extent.

Would NMOCD recommend cancelling 6/6/2024 - nAPP2416135052? Or include both releases as a part of the same report, with 2 separate submissions.

We look forward to your feedback.

Laura Parker
Environmental Specialist
505-270-8647



From: OCDOnline@state.nm.us
To: [Andrew Parker](#)
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 376838
Date: Friday, August 23, 2024 9:58:19 AM

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

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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#) nAPP2416148867.

The sampling event is expected to take place:

When: 08/28/2024 @ 08:00

Where: B-04-26S-36E 0 FNL 0 FEL (32.0787401,-103.2686984)

Additional Information: Jesus Palomares 575-605-4276

Additional Instructions: At the intersection of Highway 128 and Highway 18 head West
Continue West for 5.6 miles
Turn South onto the lease road,
Head South for 4.3 miles until reaching a 4 way intersection
Head West for 3,805ft
Head south for 242.2ft to arrive at the Tea Olive location

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

From: OCDOnline@state.nm.us
To: [Andrew Parker](#)
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 376841
Date: Friday, August 23, 2024 10:02:36 AM

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

Spam Content [Details](#)

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

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2416148867.

The sampling event is expected to take place:

When: 08/29/2024 @ 08:00

Where: B-04-26S-36E 0 FNL 0 FEL (32.0787401,-103.2686984)

Additional Information: Jesus Palomares 575-605-4276

Continuation of 8/28/2024 sample event

Additional Instructions: At the intersection of Highway 128 and Highway 18 head West

Continue West for 5.6 miles

Turn South onto the lease road,

Head South for 4.3 miles until reaching a 4 way intersection

Head West for 3,805ft

Head south for 242.2ft to arrive at the Tea Olive location

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

From: OCDOnline@state.nm.us
To: [Andrew Parker](#)
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 376851
Date: Friday, August 23, 2024 10:07:42 AM

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

Spam Content [Details](#)

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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#) nAPP2416135052.

The sampling event is expected to take place:

When: 08/28/2024 @ 08:00

Where: B-04-26S-36E 0 FNL 0 FEL (32.0787401,-103.268702)

Additional Information: Jesus Palomares 575-605-4276

Additional Instructions: At the intersection of Highway 128 and Highway 18 head West
Continue West for 5.6 miles
Turn South onto the lease road,
Head South for 4.3 miles until reaching a 4 way intersection
Head West for 3,805ft
Head south for 242.2ft to arrive at the Tea Olive/Firethorn 6S Pad Site

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

From: OCDOnline@state.nm.us
To: [Andrew Parker](#)
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 376853
Date: Friday, August 23, 2024 10:10:34 AM

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

Spam Content [Details](#)

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

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2416135052.

The sampling event is expected to take place:

When: 08/29/2024 @ 08:00

Where: B-04-26S-36E 0 FNL 0 FEL (32.0787401,-103.268702)

Additional Information: Jesus Palomares 575-605-4276

Continuation of 8/28/2024 sample event

Additional Instructions: At the intersection of Highway 128 and Highway 18 head West

Continue West for 5.6 miles

Turn South onto the lease road,

Head South for 4.3 miles until reaching a 4 way intersection

Head West for 3,805ft

Head south for 242.2ft to arrive at the Tea Olive/Firethorn 6S Pad Site

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

March 9, 2023

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

Hand Delivered to the DII Office of the State Engineer

Re: Well Record CP- 1952 POD-1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings,
CP- 1952 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 that reads "Lucas Middleton". The signature is written in a cursive, flowing style.

Lucas Middleton

Enclosures: as noted above

2023-03-09 10:38:27 AM



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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). CP-1952			
	WELL OWNER NAME(S) Amercedev 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 4	SECONDS 39.88	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103	16	21.73	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW NE NW Sec.4 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 2/9/23	DRILLING ENDED 2/9/23	DEPTH OF COMPLETED WELL (FT) temporary well material		BORE HOLE DEPTH (FT) ±101	DEPTH WATER FIRST ENCOUNTERED (FT) n/a		
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a	DATE STATIC MEASURED 2/13/23	
	DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☒ OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐		
	DEPTH (feet bgl) FROM TO		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)
	0 101		6.25"	Soil Boring	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		

FOR OSE INTERNAL USE

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

FILE NO.

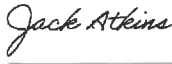
POD NO.

TRN NO.

LOCATION

WELL TAG ID NO.

PAGE 1 OF 2

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	12	12	Sand, fine-grained, poorly graded, unconsolidated, Brown	Y ✓ N	
	12	19	7	Caliche, consolidated, off white	Y ✓ N	
	19	50	31	Sand, fine-grained, poorly graded, Tan	Y ✓ N	
	50	65	15	Sand, fine-grained, poorly graded, with clay Tan	Y ✓ N	
	65	70	5	Sand, fine-grained, poorly graded, consolidated, Tan	Y ✓ N	
	70	74	4	Sand, fine-grained, poorly graded, slightly consolidated, Tan	Y ✓ N	
	74	101	27	Sand, very fine-grained, poorly graded, unconsolidated, Tan/Gray	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ 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-13					
	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:  SIGNATURE OF DRILLER / PRINT SIGNEE NAME Jackie D. Atkins DATE					

FOR OSE INTERNAL USE

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

FILE NO.

POD NO.

TRN NO.

LOCATION

WELL TAG ID NO.

PAGE 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: CP-1952 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: 04/30/23
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Shane Eldridge, Cameron Pruitt
- 4) Date well plugging began: 2/13/23 Date well plugging concluded: 2/13/23
- 5) GPS Well Location: Latitude: 32 deg, 4 min, 39.88 sec
 Longitude: 103 deg, 16 min, 21.73 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: 1/17/23
- 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):

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

III. SIGNATURE:

Jack Atkins

3/9/23

Date _____

13-Well Record and Log-packet-forsign

Final Audit Report

2023-03-09

Created:	2023-03-09
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAiK_5cA5r4VMkV5-cBe4rtaUj0L40v24Q

"13-Well Record and Log-packet-forsign" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2023-03-09 - 5:44:03 PM GMT- IP address: 64.17.82.146
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
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-  Document e-signed by Jack Atkins (jack@atkinseng.com)
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Revised June 1972

STATE ENGINEER OFFICE
WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Jay Anthony Owner's Well No. _____
Street or Post Office Address P.O. Box 398
City and State Sol New Mexico 88252

Well was drilled under Permit No. CP-938 and is located in the:
a. _____ ¼ _____ ¼ SE ¼ SE ¼ of Section 33 Township 26^{25S} Range 36E N.M.P.M.
b. Tract No. _____ of Map No. _____ of the _____
c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.
d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
the _____ Grant.

(B) Drilling Contractor Duran Drilling License No. WD-1607
Address P.O. Box 1561 Seminole Tx. 79360
Drilling Began 5-10-06 Completed 5-12-06 Type tools Rotary Size of hole 8 3/4 in.
Elevation of land surface or _____ at well is _____ ft. Total depth of well 360 ft.
Completed well is ☐ shallow ☒ artesian. Depth to water upon completion of well 80 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
250	285	35	layers of rocks + Sand	20
300	360	60	layers of rocks + Sand	25

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
5 in			0	360	361		260	360

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				
0	10	8 3/4	7		

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

Date Received 05/30/06 FOR USE OF STATE ENGINEER ONLY #358498 477062
Quad _____ FWL _____ FSL _____
File No. CP-938 Use Stk Location No. 25.36.33.44

Section 7. REMARKS AND ADDITIONAL INFORMATION

2009 AUG 16 PM 3:11

Lucas R. Dorman
Driller

~~358498~~

Appendix C

Certificates of Analysis



Ameredev II, LLC



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

September 03, 2024

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: TO / FT #65

Enclosed are the results of analyses for samples received by the laboratory on 08/29/24 13:09.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/29/2024	Sampling Date:	08/28/2024
Reported:	09/03/2024	Sampling Type:	Soil
Project Name:	TO / FT #65	Sampling Condition:	Cool & Intact
Project Number:	20240608-1745-TO115H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 01 0FT (H245278-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2024	ND	1.96	97.8	2.00	2.34	
Toluene*	<0.050	0.050	08/29/2024	ND	2.03	101	2.00	1.61	
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.07	104	2.00	0.00655	
Total Xylenes*	<0.150	0.150	08/29/2024	ND	6.43	107	6.00	0.556	
Total BTEX	<0.300	0.300	08/29/2024	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	464	16.0	08/30/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	220	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	213	106	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 67.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 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:	08/29/2024	Sampling Date:	08/28/2024
Reported:	09/03/2024	Sampling Type:	Soil
Project Name:	TO / FT #65	Sampling Condition:	Cool & Intact
Project Number:	20240608-1745-TO115H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 01 2FT (H245278-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2024	ND	1.96	97.8	2.00	2.34		
Toluene*	<0.050	0.050	08/29/2024	ND	2.03	101	2.00	1.61		
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.07	104	2.00	0.00655		
Total Xylenes*	<0.150	0.150	08/29/2024	ND	6.43	107	6.00	0.556		
Total BTX	<0.300	0.300	08/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-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	08/30/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	220	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	213	106	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 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:	08/29/2024	Sampling Date:	08/28/2024
Reported:	09/03/2024	Sampling Type:	Soil
Project Name:	TO / FT #65	Sampling Condition:	Cool & Intact
Project Number:	20240608-1745-TO115H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 01 4FT (H245278-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2024	ND	1.96	97.8	2.00	2.34		
Toluene*	<0.050	0.050	08/29/2024	ND	2.03	101	2.00	1.61		
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.07	104	2.00	0.00655		
Total Xylenes*	<0.150	0.150	08/29/2024	ND	6.43	107	6.00	0.556		
Total BTEX	<0.300	0.300	08/29/2024	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	08/30/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	220	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	213	106	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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:	08/29/2024	Sampling Date:	08/28/2024
Reported:	09/03/2024	Sampling Type:	Soil
Project Name:	TO / FT #65	Sampling Condition:	Cool & Intact
Project Number:	20240608-1745-TO115H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 02 0FT (H245278-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2024	ND	1.96	97.8	2.00	2.34		
Toluene*	<0.050	0.050	08/29/2024	ND	2.03	101	2.00	1.61		
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.07	104	2.00	0.00655		
Total Xylenes*	<0.150	0.150	08/29/2024	ND	6.43	107	6.00	0.556		
Total BTEX	<0.300	0.300	08/29/2024	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	80.0	16.0	08/30/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	220	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	213	106	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 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: 08/29/2024
 Reported: 09/03/2024
 Project Name: TO / FT #65
 Project Number: 20240608-1745-TO115H
 Project Location: NONE GIVEN

Sampling Date: 08/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 02 2FT (H245278-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2024	ND	1.96	97.8	2.00	2.34	
Toluene*	<0.050	0.050	08/29/2024	ND	2.03	101	2.00	1.61	
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.07	104	2.00	0.00655	
Total Xylenes*	<0.150	0.150	08/29/2024	ND	6.43	107	6.00	0.556	
Total BTEX	<0.300	0.300	08/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	<16.0	16.0	08/30/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	220	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	213	106	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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:	08/29/2024	Sampling Date:	08/28/2024
Reported:	09/03/2024	Sampling Type:	Soil
Project Name:	TO / FT #65	Sampling Condition:	Cool & Intact
Project Number:	20240608-1745-TO115H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 02 4FT (H245278-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/30/2024	ND	2.08	104	2.00	5.44		
Toluene*	<0.050	0.050	08/30/2024	ND	1.95	97.5	2.00	6.03		
Ethylbenzene*	<0.050	0.050	08/30/2024	ND	1.98	99.2	2.00	8.43		
Total Xylenes*	<0.150	0.150	08/30/2024	ND	6.10	102	6.00	8.83		
Total BTEX	<0.300	0.300	08/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	<16.0	16.0	08/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	220	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	213	106	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 102 % 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: 08/29/2024
 Reported: 09/03/2024
 Project Name: TO / FT #65
 Project Number: 20240608-1745-TO115H
 Project Location: NONE GIVEN

Sampling Date: 08/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 03 0FT (H245278-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2024	ND	2.08	104	2.00	5.44	
Toluene*	<0.050	0.050	08/30/2024	ND	1.95	97.5	2.00	6.03	
Ethylbenzene*	<0.050	0.050	08/30/2024	ND	1.98	99.2	2.00	8.43	
Total Xylenes*	<0.150	0.150	08/30/2024	ND	6.10	102	6.00	8.83	
Total BTEX	<0.300	0.300	08/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	16.0	16.0	08/30/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	220	110	200	1.97	
DRO >C10-C28*	27.2	10.0	08/29/2024	ND	213	106	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/29/2024	Sampling Date:	08/28/2024
Reported:	09/03/2024	Sampling Type:	Soil
Project Name:	TO / FT #65	Sampling Condition:	Cool & Intact
Project Number:	20240608-1745-TO115H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 03 2FT (H245278-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/30/2024	ND	2.08	104	2.00	5.44		
Toluene*	<0.050	0.050	08/30/2024	ND	1.95	97.5	2.00	6.03		
Ethylbenzene*	<0.050	0.050	08/30/2024	ND	1.98	99.2	2.00	8.43		
Total Xylenes*	<0.150	0.150	08/30/2024	ND	6.10	102	6.00	8.83		
Total BTEX	<0.300	0.300	08/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	16.0	16.0	08/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	220	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	213	106	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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: 08/29/2024
 Reported: 09/03/2024
 Project Name: TO / FT #65
 Project Number: 20240608-1745-TO115H
 Project Location: NONE GIVEN

Sampling Date: 08/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 03 4FT (H245278-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2024	ND	2.08	104	2.00	5.44	
Toluene*	<0.050	0.050	08/30/2024	ND	1.95	97.5	2.00	6.03	
Ethylbenzene*	<0.050	0.050	08/30/2024	ND	1.98	99.2	2.00	8.43	
Total Xylenes*	<0.150	0.150	08/30/2024	ND	6.10	102	6.00	8.83	
Total BTEX	<0.300	0.300	08/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	<16.0	16.0	08/30/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	220	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	213	106	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 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:	08/29/2024	Sampling Date:	08/28/2024
Reported:	09/03/2024	Sampling Type:	Soil
Project Name:	TO / FT #65	Sampling Condition:	Cool & Intact
Project Number:	20240608-1745-TO115H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 04 0FT (H245278-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/30/2024	ND	2.08	104	2.00	5.44		
Toluene*	<0.050	0.050	08/30/2024	ND	1.95	97.5	2.00	6.03		
Ethylbenzene*	<0.050	0.050	08/30/2024	ND	1.98	99.2	2.00	8.43		
Total Xylenes*	<0.150	0.150	08/30/2024	ND	6.10	102	6.00	8.83		
Total BTEX	<0.300	0.300	08/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	240	16.0	08/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	220	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	213	106	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

Received:	08/29/2024	Sampling Date:	08/28/2024
Reported:	09/03/2024	Sampling Type:	Soil
Project Name:	TO / FT #65	Sampling Condition:	Cool & Intact
Project Number:	20240608-1745-TO115H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 04 2FT (H245278-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/30/2024	ND	2.08	104	2.00	5.44		
Toluene*	<0.050	0.050	08/30/2024	ND	1.95	97.5	2.00	6.03		
Ethylbenzene*	<0.050	0.050	08/30/2024	ND	1.98	99.2	2.00	8.43		
Total Xylenes*	<0.150	0.150	08/30/2024	ND	6.10	102	6.00	8.83		
Total BTEX	<0.300	0.300	08/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	220	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	213	106	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

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

Received:	08/29/2024	Sampling Date:	08/28/2024
Reported:	09/03/2024	Sampling Type:	Soil
Project Name:	TO / FT #65	Sampling Condition:	Cool & Intact
Project Number:	20240608-1745-TO115H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 04 4FT (H245278-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/30/2024	ND	2.08	104	2.00	5.44		
Toluene*	<0.050	0.050	08/30/2024	ND	1.95	97.5	2.00	6.03		
Ethylbenzene*	<0.050	0.050	08/30/2024	ND	1.98	99.2	2.00	8.43		
Total Xylenes*	<0.150	0.150	08/30/2024	ND	6.10	102	6.00	8.83		
Total BTEX	<0.300	0.300	08/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	08/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	220	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	213	106	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

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

Received: 08/29/2024
 Reported: 09/03/2024
 Project Name: TO / FT #65
 Project Number: 20240608-1745-TO115H
 Project Location: NONE GIVEN

Sampling Date: 08/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 05 0FT (H245278-13)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2024	ND	2.08	104	2.00	5.44	
Toluene*	<0.050	0.050	08/30/2024	ND	1.95	97.5	2.00	6.03	
Ethylbenzene*	<0.050	0.050	08/30/2024	ND	1.98	99.2	2.00	8.43	
Total Xylenes*	<0.150	0.150	08/30/2024	ND	6.10	102	6.00	8.83	
Total BTEX	<0.300	0.300	08/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	40000	16.0	08/30/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	220	110	200	1.97	
DRO >C10-C28*	22.2	10.0	08/29/2024	ND	213	106	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

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

Received:	08/29/2024	Sampling Date:	08/28/2024
Reported:	09/03/2024	Sampling Type:	Soil
Project Name:	TO / FT #65	Sampling Condition:	Cool & Intact
Project Number:	20240608-1745-TO115H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 05 2FT (H245278-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/30/2024	ND	2.08	104	2.00	5.44		
Toluene*	<0.050	0.050	08/30/2024	ND	1.95	97.5	2.00	6.03		
Ethylbenzene*	<0.050	0.050	08/30/2024	ND	1.98	99.2	2.00	8.43		
Total Xylenes*	<0.150	0.150	08/30/2024	ND	6.10	102	6.00	8.83		
Total BTEX	<0.300	0.300	08/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	2720	16.0	08/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	220	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	213	106	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

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

Received: 08/29/2024
 Reported: 09/03/2024
 Project Name: TO / FT #65
 Project Number: 20240608-1745-TO115H
 Project Location: NONE GIVEN

Sampling Date: 08/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 05 4FT (H245278-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2024	ND	2.08	104	2.00	5.44	
Toluene*	<0.050	0.050	08/30/2024	ND	1.95	97.5	2.00	6.03	
Ethylbenzene*	<0.050	0.050	08/30/2024	ND	1.98	99.2	2.00	8.43	
Total Xylenes*	<0.150	0.150	08/30/2024	ND	6.10	102	6.00	8.83	
Total BTEX	<0.300	0.300	08/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	3000	16.0	08/30/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	220	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	213	106	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 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: 08/29/2024
 Reported: 09/03/2024
 Project Name: TO / FT #65
 Project Number: 20240608-1745-TO115H
 Project Location: NONE GIVEN

Sampling Date: 08/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 05 6FT (H245278-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2024	ND	2.08	104	2.00	5.44	
Toluene*	<0.050	0.050	08/31/2024	ND	1.95	97.5	2.00	6.03	
Ethylbenzene*	<0.050	0.050	08/31/2024	ND	1.98	99.2	2.00	8.43	
Total Xylenes*	<0.150	0.150	08/31/2024	ND	6.10	102	6.00	8.83	
Total BTEX	<0.300	0.300	08/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	1090	16.0	08/30/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	220	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	213	106	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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:	08/29/2024	Sampling Date:	08/29/2024
Reported:	09/03/2024	Sampling Type:	Soil
Project Name:	TO / FT #65	Sampling Condition:	Cool & Intact
Project Number:	20240608-1745-TO115H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 06 0FT (H245278-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/31/2024	ND	2.08	104	2.00	5.44		
Toluene*	<0.050	0.050	08/31/2024	ND	1.95	97.5	2.00	6.03		
Ethylbenzene*	<0.050	0.050	08/31/2024	ND	1.98	99.2	2.00	8.43		
Total Xylenes*	<0.150	0.150	08/31/2024	ND	6.10	102	6.00	8.83		
Total BTEX	<0.300	0.300	08/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	10000	16.0	08/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	220	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	213	106	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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: 08/29/2024
 Reported: 09/03/2024
 Project Name: TO / FT #65
 Project Number: 20240608-1745-TO115H
 Project Location: NONE GIVEN

Sampling Date: 08/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 06 2FT (H245278-18)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2024	ND	2.08	104	2.00	5.44	
Toluene*	<0.050	0.050	08/31/2024	ND	1.95	97.5	2.00	6.03	
Ethylbenzene*	<0.050	0.050	08/31/2024	ND	1.98	99.2	2.00	8.43	
Total Xylenes*	<0.150	0.150	08/31/2024	ND	6.10	102	6.00	8.83	
Total BTEX	<0.300	0.300	08/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	80.0	16.0	08/30/2024	ND	432	108	400	3.77	

TPH 8015M			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2024	ND	220	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/30/2024	ND	213	106	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	08/30/2024	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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:	08/29/2024	Sampling Date:	08/29/2024
Reported:	09/03/2024	Sampling Type:	Soil
Project Name:	TO / FT #65	Sampling Condition:	Cool & Intact
Project Number:	20240608-1745-TO115H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 07 0FT (H245278-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/31/2024	ND	2.08	104	2.00	5.44		
Toluene*	<0.050	0.050	08/31/2024	ND	1.95	97.5	2.00	6.03		
Ethylbenzene*	<0.050	0.050	08/31/2024	ND	1.98	99.2	2.00	8.43		
Total Xylenes*	<0.150	0.150	08/31/2024	ND	6.10	102	6.00	8.83		
Total BTEX	<0.300	0.300	08/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	4800	16.0	08/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2024	ND	220	110	200	1.97	
DRO >C10-C28*	1340	10.0	08/30/2024	ND	213	106	200	2.19	
EXT DRO >C28-C36	427	10.0	08/30/2024	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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: 08/29/2024
 Reported: 09/03/2024
 Project Name: TO / FT #65
 Project Number: 20240608-1745-TO115H
 Project Location: NONE GIVEN

Sampling Date: 08/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 07 2FT (H245278-20)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2024	ND	2.08	104	2.00	5.44	
Toluene*	<0.050	0.050	08/31/2024	ND	1.95	97.5	2.00	6.03	
Ethylbenzene*	<0.050	0.050	08/31/2024	ND	1.98	99.2	2.00	8.43	
Total Xylenes*	<0.150	0.150	08/31/2024	ND	6.10	102	6.00	8.83	
Total BTEX	<0.300	0.300	08/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	176	16.0	08/30/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2024	ND	220	110	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/30/2024	ND	213	106	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	08/30/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/29/2024	Sampling Date:	08/29/2024
Reported:	09/03/2024	Sampling Type:	Soil
Project Name:	TO / FT #65	Sampling Condition:	Cool & Intact
Project Number:	20240608-1745-TO115H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 08 0FT (H245278-21)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/31/2024	ND	2.08	104	2.00	5.44		
Toluene*	<0.050	0.050	08/31/2024	ND	1.95	97.5	2.00	6.03		
Ethylbenzene*	<0.050	0.050	08/31/2024	ND	1.98	99.2	2.00	8.43		
Total Xylenes*	<0.150	0.150	08/31/2024	ND	6.10	102	6.00	8.83		
Total BTEX	<0.300	0.300	08/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	3280	16.0	08/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	225	112	200	2.10	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	230	115	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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:	08/29/2024	Sampling Date:	08/29/2024
Reported:	09/03/2024	Sampling Type:	Soil
Project Name:	TO / FT #65	Sampling Condition:	Cool & Intact
Project Number:	20240608-1745-TO115H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 08 2FT (H245278-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/31/2024	ND	2.08	104	2.00	5.44		
Toluene*	<0.050	0.050	08/31/2024	ND	1.95	97.5	2.00	6.03		
Ethylbenzene*	<0.050	0.050	08/31/2024	ND	1.98	99.2	2.00	8.43		
Total Xylenes*	<0.150	0.150	08/31/2024	ND	6.10	102	6.00	8.83		
Total BTEX	<0.300	0.300	08/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	1060	16.0	08/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	225	112	200	2.10	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	230	115	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 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:	08/29/2024	Sampling Date:	08/29/2024
Reported:	09/03/2024	Sampling Type:	Soil
Project Name:	TO / FT #65	Sampling Condition:	Cool & Intact
Project Number:	20240608-1745-TO115H	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: CS - 08 4FT (H245278-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/31/2024	ND	2.08	104	2.00	5.44		
Toluene*	<0.050	0.050	08/31/2024	ND	1.95	97.5	2.00	6.03		
Ethylbenzene*	<0.050	0.050	08/31/2024	ND	1.98	99.2	2.00	8.43		
Total Xylenes*	<0.150	0.150	08/31/2024	ND	6.10	102	6.00	8.83		
Total BTEX	<0.300	0.300	08/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	225	112	200	2.10	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	230	115	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 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

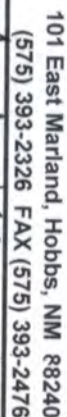
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



BILL TO

ANALYSIS REQUEST

Page 26 of 28



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Amerdev LLC		P.O. #: 20240608-1745-1115H		BILL TO		ANALYSIS REQUEST					
Project Manager: Andrew Parker		Company: Amerdev		Attn: Dn-File							
Address: On-File		Address:									
City:		City:									
State:		State:									
Phone #:		Phone #:									
Fax #:		Fax #:									
Project #:		Project #:									
Project Name: 20240608-1745-1115H		State:		Zip:							
Project Location: T/O/FT #65		City:									
Sampler Name: Jesus Palomares		Phone #:									
Fax #:		Fax #:									
FOR LAB USE ONLY											
Lab I.D.		Sample I.D.		MATRIX		PRESERV		SAMPLING			
H245278				(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER	
11 CS-04		2ft		✓		✓		SOIL		OIL	
12 CS-05		4ft		✓		✓		SLUDGE		OTHER:	
13 CS-05		0ft		✓		✓		ACID/BASE:		ICE / COOL	
14 CS-05		2ft		✓		✓		OTHER:			
15 CS-06		4ft		✓		✓		DATE		TIME	
16 CS-06		6ft		✓		✓		08-28		10:02	
17 CS-07		0ft		✓		✓		10:10		10:19	
18 CS-07		2ft		✓		✓		10:21		10:27	
19 CS-07		4ft		✓		✓		10:32		10:32	
20 CS-07		6ft		✓		✓		08-29		08:07	
		0ft		✓		✓		08:21		08:21	
		2ft		✓		✓		08:30		08:30	
		4ft		✓		✓		Chloride			
		6ft		✓		✓		TPH (GRO+DRO+MRO)			
		8ft		✓		✓		BTEX (Benzene)			
PLEASE NOTE: Liability and client's exclusive remedy for any claim arising from or based on the use of the above shall be limited to the amount paid by the client for the analyses. 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.											
Relinquished By:		Date: 08-21		Received By:		Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #:		REMARKS:			
Relinquished By:		Time: 1309		Received By: Speediequely		All Results are emailed. Please provide Email address:					
Date:		Time:		Date:		Time:					
Delivered By: (Circle One)		Observed Temp. °C: 5.9		Sample Condition: ☒ Cool ☐ Intact		CHECKED BY: (Initials)					
Sampler - UPS - Bus - Other:		Corrected Temp. °C: 5.3		☐ Yes ☐ No		Turnaround Time: 2-3					
Phone #: 505-334-0711		Corrected Temp. °C:		☐ Yes ☐ No		Thermometer ID #140					
						Correction Factor: 0.0					
						Standard ☐ RUSH ☒					
						Bacteria (only) Sample Condition ☐ Cool ☐ Intact ☐ Yes ☐ No ☐ Observed Temp. °C:					
						Corrected Temp. °C:					



ANALYSIS REQUEST

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Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

QUESTIONS

Action 380453

QUESTIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID:
	372224
	Action Number:
	380453
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2416148867
Incident Name	NAPP2416148867 20240608-1745-TO115H @ 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	20240608-1745-TO115H
Date Release Discovered	06/08/2024
Surface Owner	Private

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: Human Error Frac Tank Produced Water Released: 65 BBL Recovered: 60 BBL Lost: 5 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)	Not answered.

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QUESTIONS, Page 2

Action 380453

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID:
	372224
	Action Number:
	380453
	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	True
If all the actions described above have not been undertaken, explain why	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Andrew Parker Title: Environmental Scientist Email: aparker@ameredev.com Date: 06/10/2024
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QUESTIONS, Page 3

Action 380453

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID:
	372224
	Action Number:
	380453
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Site Characterization	
<i>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.</i>	
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 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<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>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	40000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1777
GRO+DRO (EPA SW-846 Method 8015M)	1350
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<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>	
On what estimated date will the remediation commence	11/04/2024
On what date will (or did) the final sampling or liner inspection occur	11/11/2024
On what date will (or was) the remediation complete(d)	11/18/2024
What is the estimated surface area (in square feet) that will be reclaimed	1750
What is the estimated volume (in cubic yards) that will be reclaimed	130
What is the estimated surface area (in square feet) that will be remediated	1750
What is the estimated volume (in cubic yards) that will be remediated	130
<i>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.</i>	
<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 4
Action 380453

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID:	372224
	Action Number:	380453
	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	OWL LANDFILL JAL [fJEG1635837366]
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: 09/04/2024
<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 380453

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 380453
	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

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QUESTIONS, Page 6

Action 380453

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID:
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	Action Number:
	380453
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	376841
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/29/2024
What was the (estimated) number of samples that were to be gathered	24
What was the sampling surface area in square feet	15500

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 380453

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 380453
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved. Submit remediation closure report to the OCD by 12/16/2024.	9/16/2024