

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

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

QUESTIONS

Action 192716

QUESTIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 192716
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

<b>Location of Release Source</b> <i>Please answer all the questions in this group.</i>	
Site Name	Pinestraw CTB 20230226-1400-water
Date Release Discovered	02/26/2023
Surface Owner	Private

<b>Incident Details</b> <i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	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

<b>Nature and Volume of Release</b> <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Power Failure   Production Tank   Crude Oil   Released: 9 BBL   Recovered: 3 BBL   Lost: 6 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 192716

**QUESTIONS (continued)**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 192716
	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 19.15.29.7(A) NMAC	No, minor release.
Reasons why this would be considered a submission for a notification of a major release	
If YES, was immediate notice given to the OCD, by whom	Not answered.
If YES, was immediate notice given to the OCD, to whom	Not answered.
If YES, was immediate notice given to the OCD, when	Not answered.
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	Not answered.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

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

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

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ACKNOWLEDGMENTS

Action 192716

**ACKNOWLEDGMENTS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 192716
	Action Type: [NOTIFY] Notification Of Release (NOR)

**ACKNOWLEDGMENTS**

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

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CONDITIONS  
  
Action 192716

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 192716
	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.	3/2/2023



Spill Dimensions to Volume of Release			
<b>Input</b>	<b>volume of affected soil</b>	<b>[feet^3]</b>	<b>1415.18</b>
<b>Input</b>	Porosity: typically is .35 to .40 for most soils	[ - ]	0.35
<b>Input</b>	Proportion of porosity filled with release fluid [0,1]	[ - ]	0.10
<b>Output</b>	volume of fluid	[feet^3]	<b>49.5</b>
		[gal]	<b>370.5</b>
		Barrels	8.8

From GIS

Sq. Ft      2358.64

Depth (ft)      0.6

Cu. Ft      1415.184

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

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

Incident ID	nAPP2306160789
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party: Ameredev Operating, LLC	OGRID: 372224
Contact Name: Shane M <sup>c</sup> Neely	Contact Telephone: (737) 300-4700
Contact email: smcneely@ameredev.com	Incident # nAPP2306160789
Contact mailing address: 2901 Via Fortuna, Suite 600 Austin, Texas 78746	

### Location of Release Source

Latitude 32.1649953 \_\_\_\_\_ Longitude -103.2877953 \_\_\_\_\_  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Pinestraw CTB 20230226-1400-water	Site Type Central Tank Battery
Date Release Discovered 02/26/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
C	5	25S	36E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Intrepid Potash \_\_\_\_\_)

### Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 9	Volume Recovered (bbls) 3
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

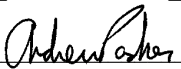
Cause of Release Remote monitoring of water tank level communications offline. Production tank overflowed into containment. Breach in containment liner and crude oil escaped from containment.

Incident ID	nAPP2306160789
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

## Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Andrew Parker</u>	Title: <u>Env. Scientist</u>
Signature: <u></u>	Date: <u>03/02/2023</u>
email: <u>aparker@ameredev.com</u>	Telephone: <u>970-570-9535</u>
<b><u>OCD Only</u></b>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>03/03/2023</u>

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CONDITIONS  
  
Action 192723

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 192723
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	3/3/2023

Incident ID	nAPP2306160789
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Facility ID	
Application ID	

## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release? <b><u>Plate 2</u></b>	<u>&gt;100</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? <b><u>Plate 4</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? <b><u>Plate 4</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? <b><u>Plate 5</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? <b><u>Plate 3</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? <b><u>Plate 3</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? <b><u>Plate 3</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland? <b><u>Plate 6</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine? <b><u>Plate 7</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology? <b><u>Plate 8</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain? <b><u>Plate 9</u></b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

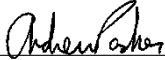
- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile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

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

## Oil Conservation Division

Incident ID	nAPP2306160789
District RP	
Facility ID	
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Andrew ParkerTitle: Env. ScientistSignature: Date: April 10, 2023email: aparker@ameredev.comTelephone: 970-570-9535**OCD Only**Received by: Jocelyn HarimonDate: 04/10/2023

Incident ID	nAPP2306160789
District RP	
Facility ID	
Application ID	

## Remediation Plan

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

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

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

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Andrew ParkerTitle: Env. ScientistSignature: Date: April 10, 2023email: aparker@ameredev.comTelephone: 970-570-9535**OCD Only**Received by: Jocelyn Harimon Date: 04/10/2023☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Incident ID	nAPP2306160789
District RP	
Facility ID	
Application ID	

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Andrew Parker

Title: Env. Scientist

Signature: 

Date: April 10, 2023

email: aparker@ameredev.com

Telephone: 970-570-9535

**OCD Only**

Received by: Jocelyn Harimon

Date: 04/10/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 05/12/2023

Printed Name: Jennifer Nobui

Title: Environmental Specialist A





Ameredev II, LLC

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

April 10, 2023

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

RE: Closure Report  
Incident ID: nAPP2306160789  
Pinestraw CTB  
AEP #: 20230226-1400-water

NMOCD:

Ameredev Operating submits this Closure Report for the above referenced incident and respectfully requests closure of the regulatory file. Included in this report are the site characterization data and description of remediation/restoration activities.

The release occurred on February 26, 2023. Remote monitoring of the tank level was offline resulting in an overflow at the production tank. High winds caused the fluid to disperse into the secondary containment and onto the production site. The calculated volume of released crude oil was 9 barrels with 3 barrels recovered.

The release is located on Fee surface. The release did not impact surface or groundwater. Figure 1 shows the extent of the release on the active production site.



Figure 1: View of release extent facing southeast from the northwest.  
Date Taken: 2023-02-27 13:27:28 GPS: 32.1653088, -103.2877759

Incident ID: nAPP2306160789

Pinestraw CTB

AEP #: 20230226-1400-water

## 1. Characterization

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

### 1.1. Site Map

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

Plate 1 shows the release extent relative to the Pinestraw CTB production facilities and nearby utilities. The source of the release is located at 32.1649953, -103.2877953 (Lat, Long; NAD83). The release extent covered an area of approximately 2359 sq. ft.

### 1.2. Depth to Ground Water

The nearest depth-to-water boring, dated 02/17/2023, relative to the release area is mapped on Plate 2. This borehole has been plugged. The Office of the State Engineer well log is attached in Appendix B:

- MISC-419 (CP-1949 POD 1) is located 0.44-miles west of release. Depth to water is greater than 102 ft below ground surface.

### 1.3. Wellhead Protection Area

Plate 3 shows that the release extent is:

- Not within incorporated municipal boundaries or within a defined municipal fresh water well field.
- Not within ½-mile private and domestic water sources (wells and springs).
- Not within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes.
- Not within 1000 feet of any other freshwater well or spring.

### 1.4. Distance to Nearest Significant Water Course

Plate 4 shows that the release extent is:

- Within ½ mile of a significant water course.
- Not within 300 feet of a continuously flowing watercourse or any other significant watercourse.
- Not within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

The closest significant water course is an intermittent stream 0.3 miles to the west of the release extent.

04/10/2023

Incident ID: nAPP2306160789

Pinestraw CTB

AEP #: 20230226-1400-water

### 1.5. Soil/Waste Characteristics

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

The release occurred in the Pyote loamy fine sands and Ratliff-Wink fine sandy loams.

The Pyote loamy fine sands complex soil complex has a slope of 0 – 3%. The USDA Natural Resources Conservation Service (NRCS) soil survey<sup>1</sup> describes the upper 5-feet of the Pyote loamy fine sand lithology as

- *A - 0 to 25 inches:* loamy fine sand
- *Bt - 25 to 60 inches:* fine sandy loam

The Ratliff-Wink fine sandy loams soil complex has a slope of 0-3%. The USDA Natural Resources Conservation Service (NRCS) soil survey describes the upper 5-feet of the Ratliff lithology as

- *A - 0 to 4 inches:* fine sandy loam
- *Bw - 4 to 22 inches:* clay loam
- *Bk - 22 to 60 inches:* clay loam
- 

And the lithology of the Wink soil complex as

- *A - 0 to 12 inches:* fine sandy loam
- *Bk - 12 to 23 inches:* sandy loam
- *Bck - 23 to 60 inches:* sandy loam

The lithology as described by the NRCS is consistent with professional observations during excavation activities within the area of interest.

## 2. Remediation & Restoration

Ameredev began remedial actions on March 8, 2023 with the removal of the upper 1-foot of impacted material within the release extent to remove the mass load of impacted soil.

Approximately 108 cu. yds of impacted material was hauled off-site to an approved disposal facility.

Figures 2 and 3 show the excavation extent.

---

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

Incident ID: nAPP2306160789

Pinestraw CTB

AEP #: 20230226-1400-water



*Figure 2: View of excavation facing south from northern portion of extent.*

*Date Taken: 2023-03-10 14:01:09*

*GPS: 32.1651980, -103.2878557*



*Figure 3: View of northern portion of active excavation facing northwest from southeast corner.*

*Date Taken: 2023-03-10 14:03:31*

*GPS: 32.1650545, -103.2877465*

The release extent was divided into sample grids of not more than 200 sq ft. A soil sample was collected from each grid base and along excavation walls for laboratory analysis of constituents of concern as listed in Table 1 of 19.15.29. NMAC.

- Plate 10 shows the confirmation sample grid layout with associated square footage.
- Plate 11 shows the confirmation sample locations.
- Table A shows the coordinates of the confirmation sample points.

04/10/2023

Released to Imaging: 5/12/2023 9:44:31 AM



Incident ID: nAPP2306160789

Pinestraw CTB

AEP #: 20230226-1400-water

The results of analytical showed that the confirmation samples from walls and bases met Closure Criteria per Table 1 of 19.15.29 NMAC as defined below:

- For the release area on an active production site that is in use for oil and gas operations and where depth to water is > 100 ft:
  - 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

Wall samples also provided lateral delineation of release extent, meeting the most stringent closure criteria.

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

Summary of analytical is presented in Table B. Laboratory Certificates of Analysis are presented in Appendix C.

The excavation extent was backfilled with clean caliche obtained from stockpiled soils remaining from the Peach Riser remediation (20220920-2300-water, nAPP2226544614). Backfill analytical data from the Peach Riser remediation is included in Appendix C. The release extent on the active production site was restored per 19.15.29.13.A-C NMAC

Figure 4 shows the restoration to an active production site.



*Figure 4: View of restoration facing southeast.*

*Date Taken: 2023-03-13 15:06:09*

*GPS: 32.1651235, -103.2877630*

04/10/2023

Released to Imaging: 5/12/2023 9:44:31 AM

Incident ID: nAPP2306160789

Pinestraw CTB

AEP #: 20230226-1400-water

Bugle Energy Services, LLC performed a liner inspection and repair for the entire Pinestraw CTB on March 22, 2023. Although the liner required repair, the liner maintained its integrity at the areas of interest (Figures 5 through 7). Bugle Energy Services' email correspondence is provided in Appendix D.



*Figure 5: View of liner integrity between the tank that overflowed and the northern containment wall; where the on-site release was adjacent too. No repairs were required in this area of interest. Photo is viewing west. Date Taken: 2023-04-05. GPS: 32.1649385, -103.2878828.*



*Figure 6: View of liner integrity between the tank that overflowed and the northern containment wall; at the area of interest. No repairs were required. Photo is viewing east. Date Taken: 2023-04-05. GPS: 32.1650055, -103.2878978.*

04/10/2023

Released to Imaging: 5/12/2023 9:44:31 AM



Incident ID: nAPP2306160789

Pinestraw CTB

AEP #: 20230226-1400-water



*Figure 7: View of liner integrity from the third tank south from the north containment wall; south of the area of interest. No repairs were required north of this point. Photo is viewing north. Date Taken: 2023-04-05. Corrected GPS: 32.164844, 103.2878042. Geotagged GPS: 32.1650055, -103.2878978.*

Final remediation, restoration, and reclamation shall take place in accordance with 19.15.29.13.A-D NMAC when the production site is no longer in-use for oil and gas operations.

Please contact me with any questions.

Sincerely,  
Ameredev II, LLC



Andrew Parker  
Env. Scientist

04/10/2023

Released to Imaging: 5/12/2023 9:44:31 AM



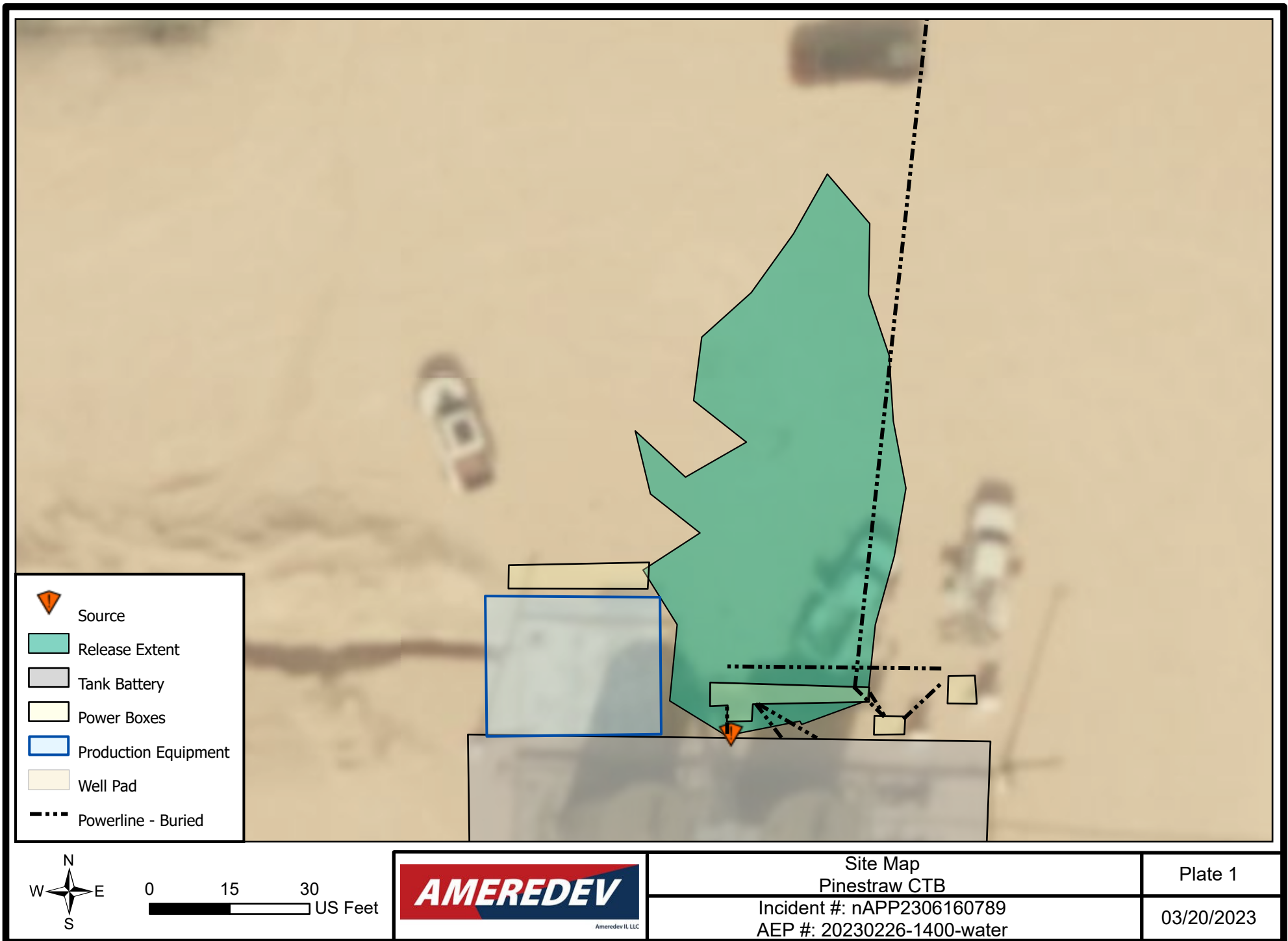
Ameredev II, LLC

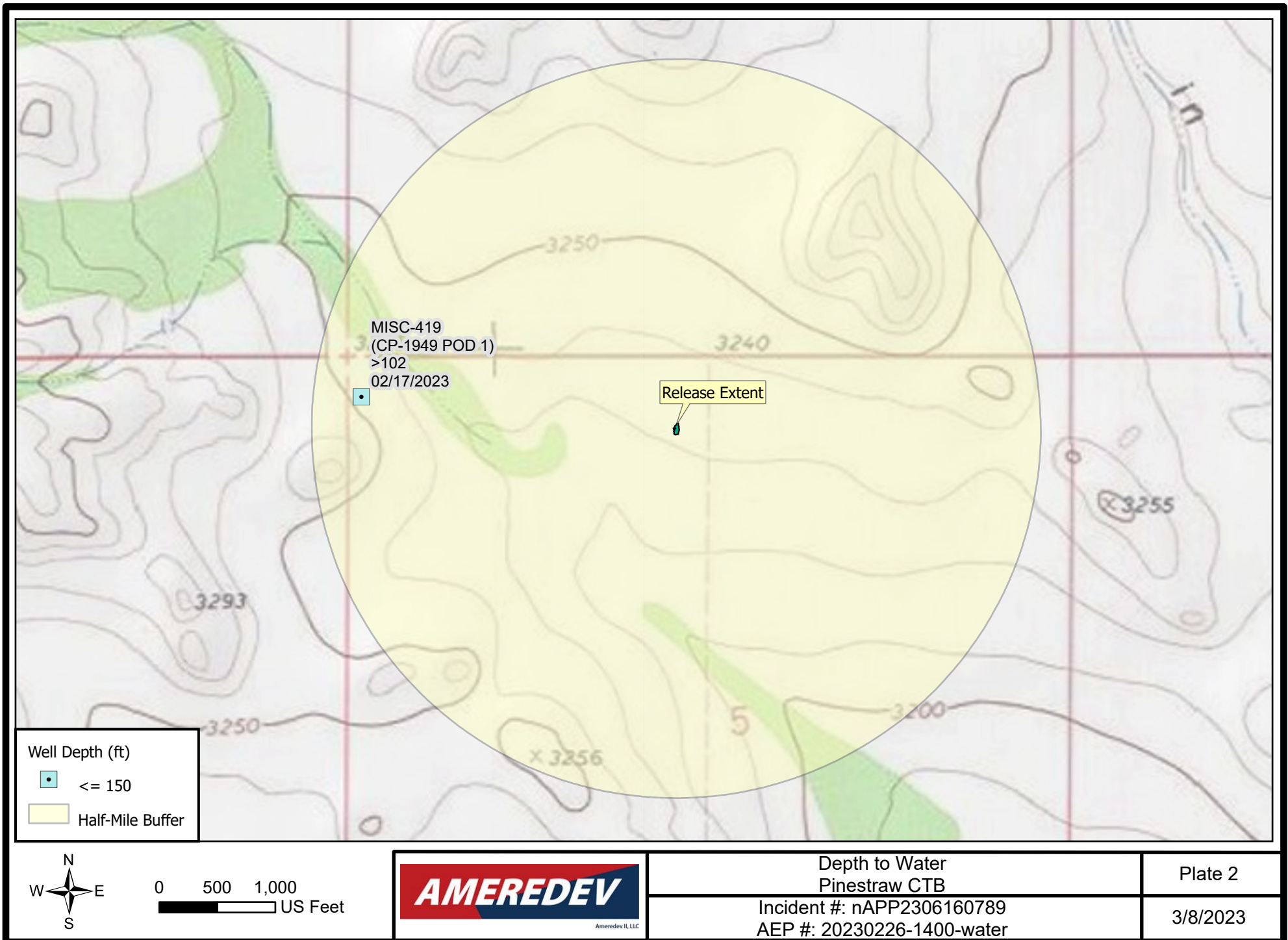
# Plates



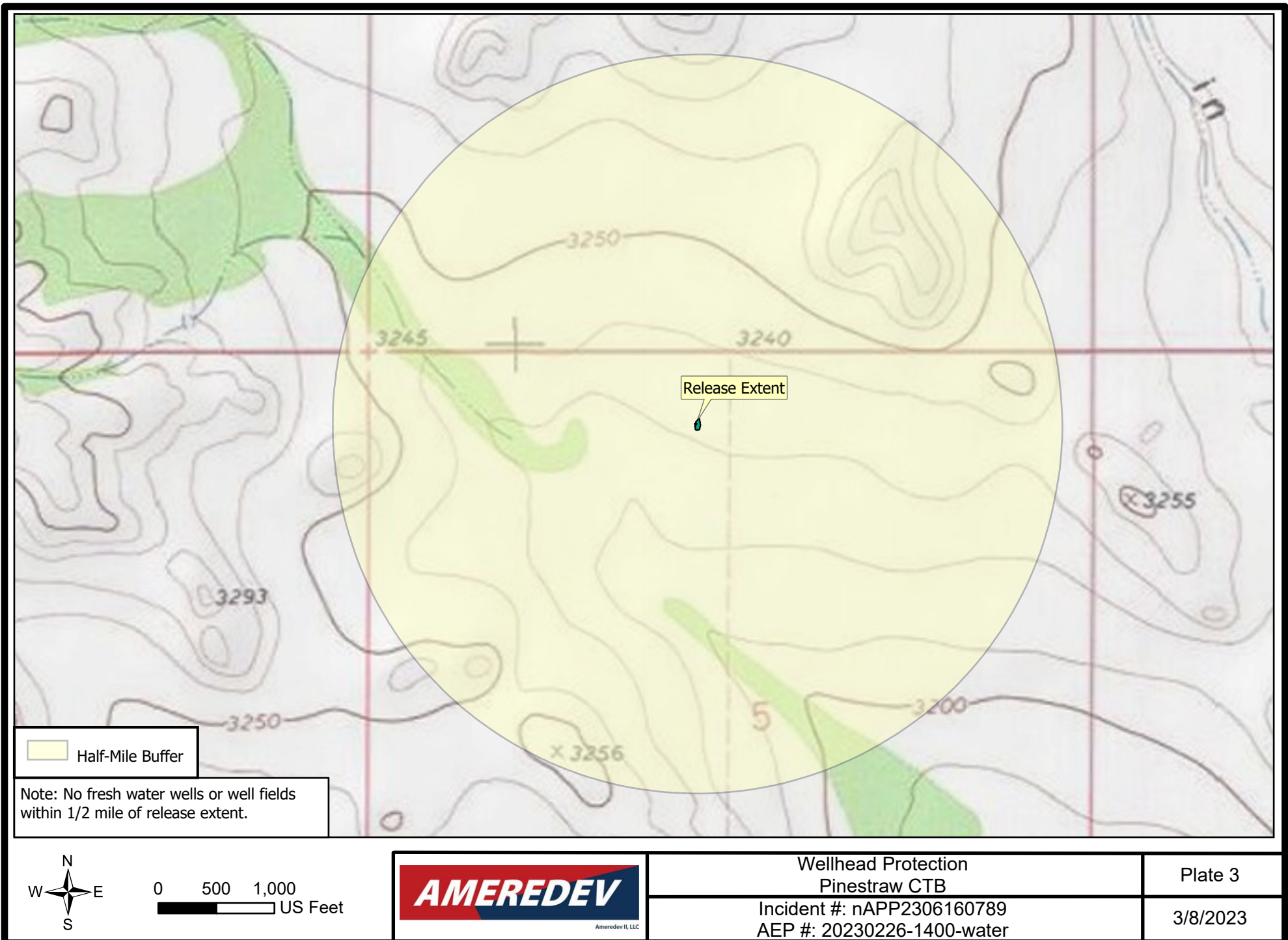
Ameredev II, LLC

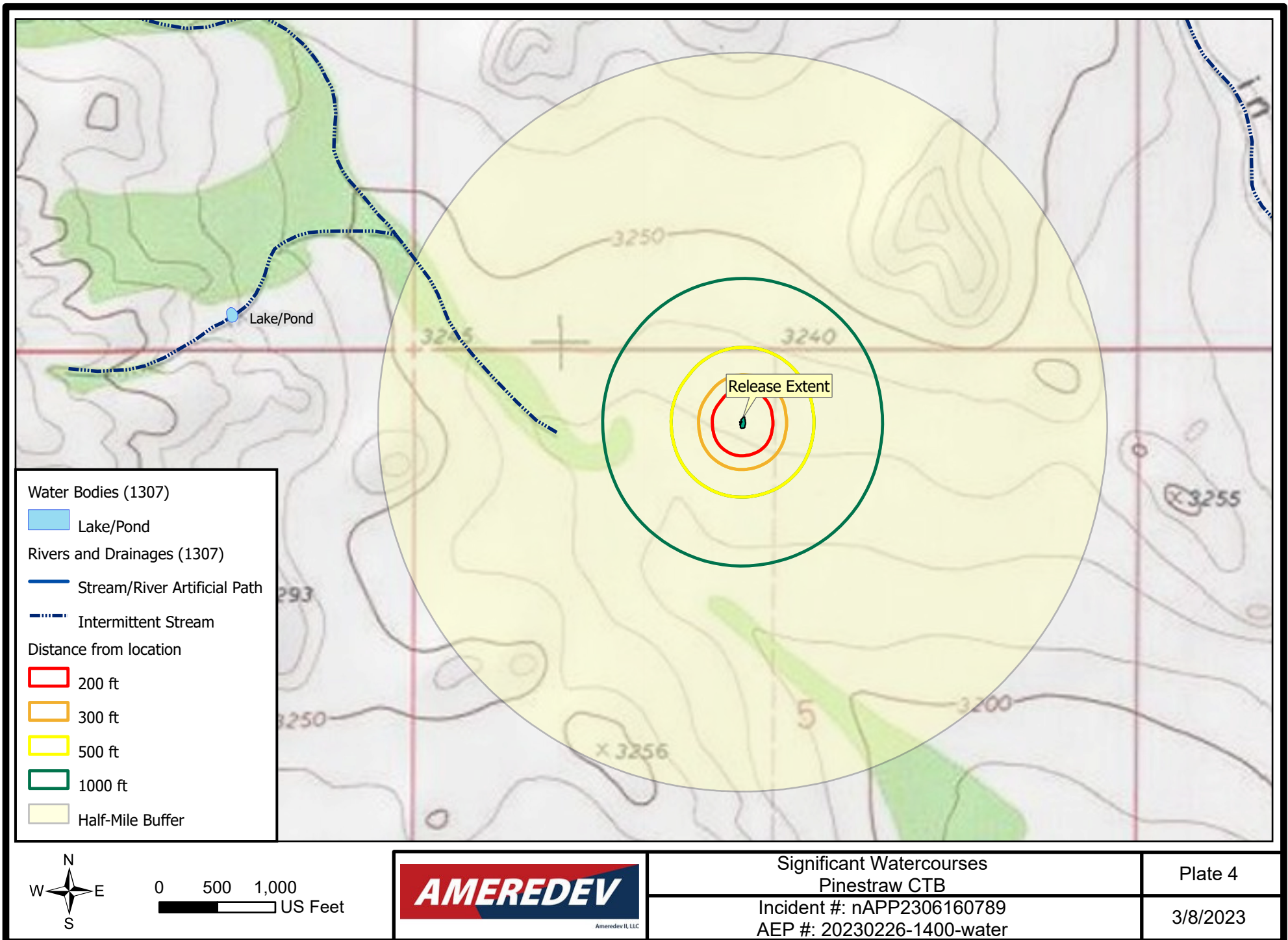




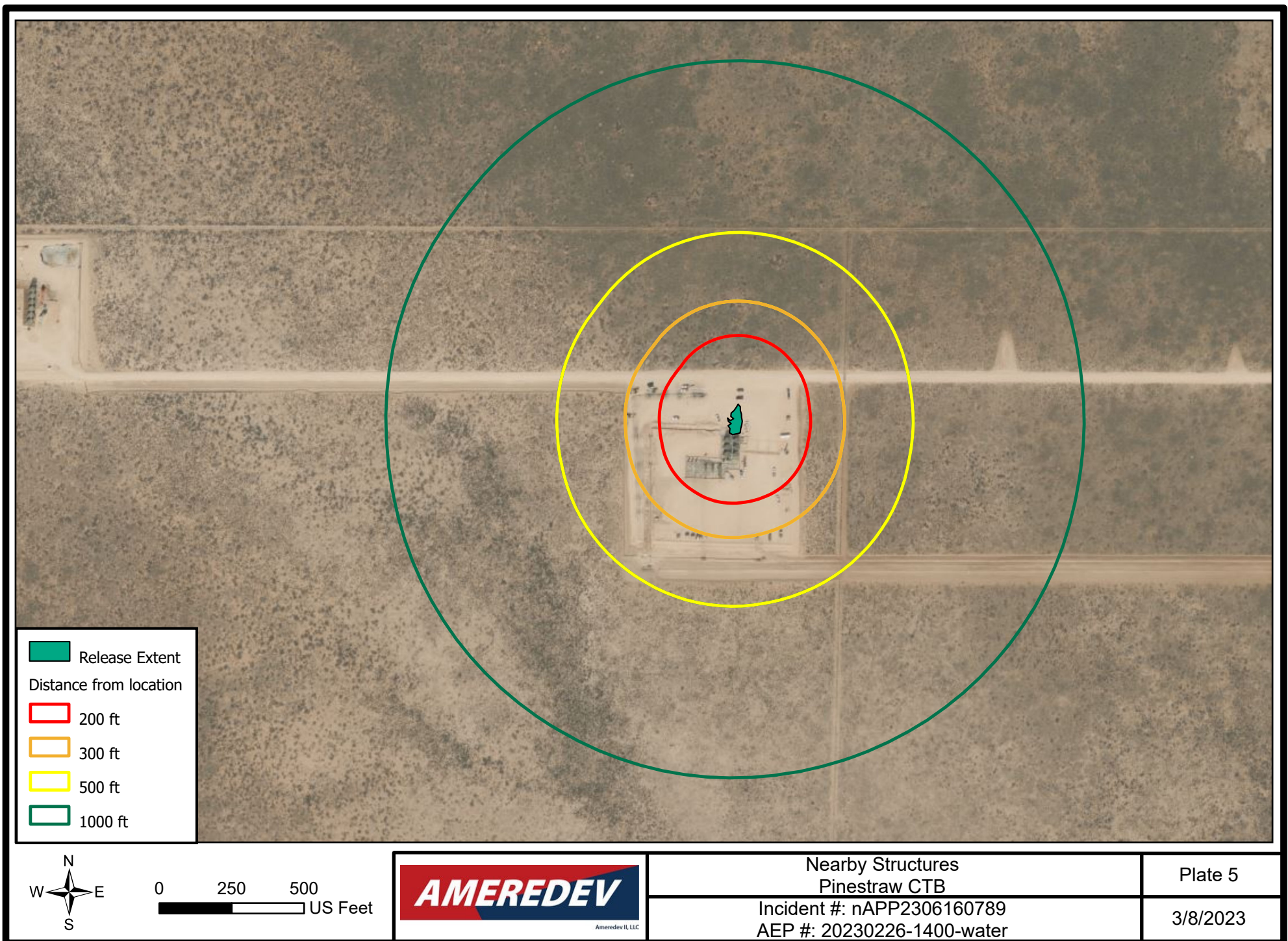




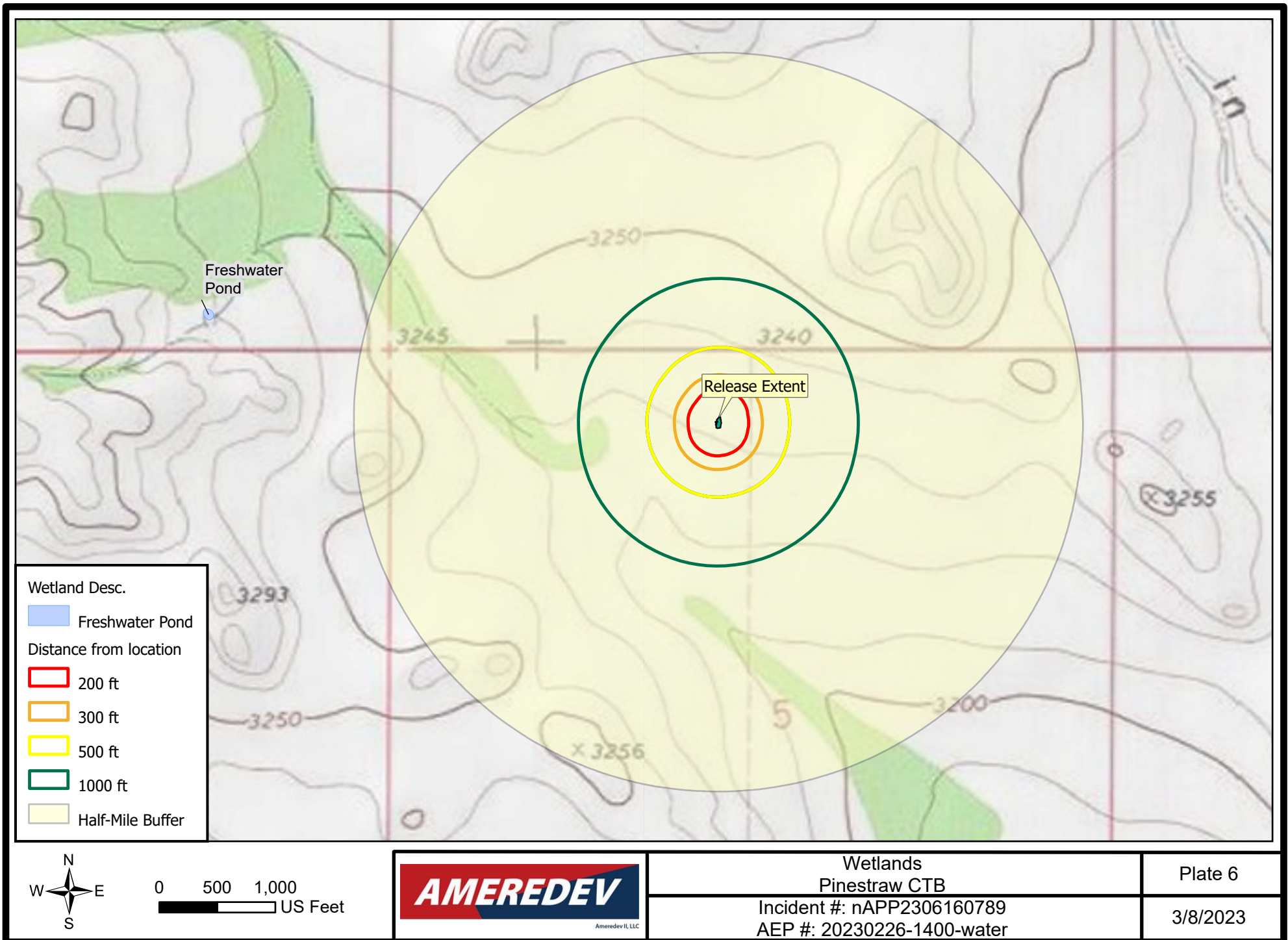


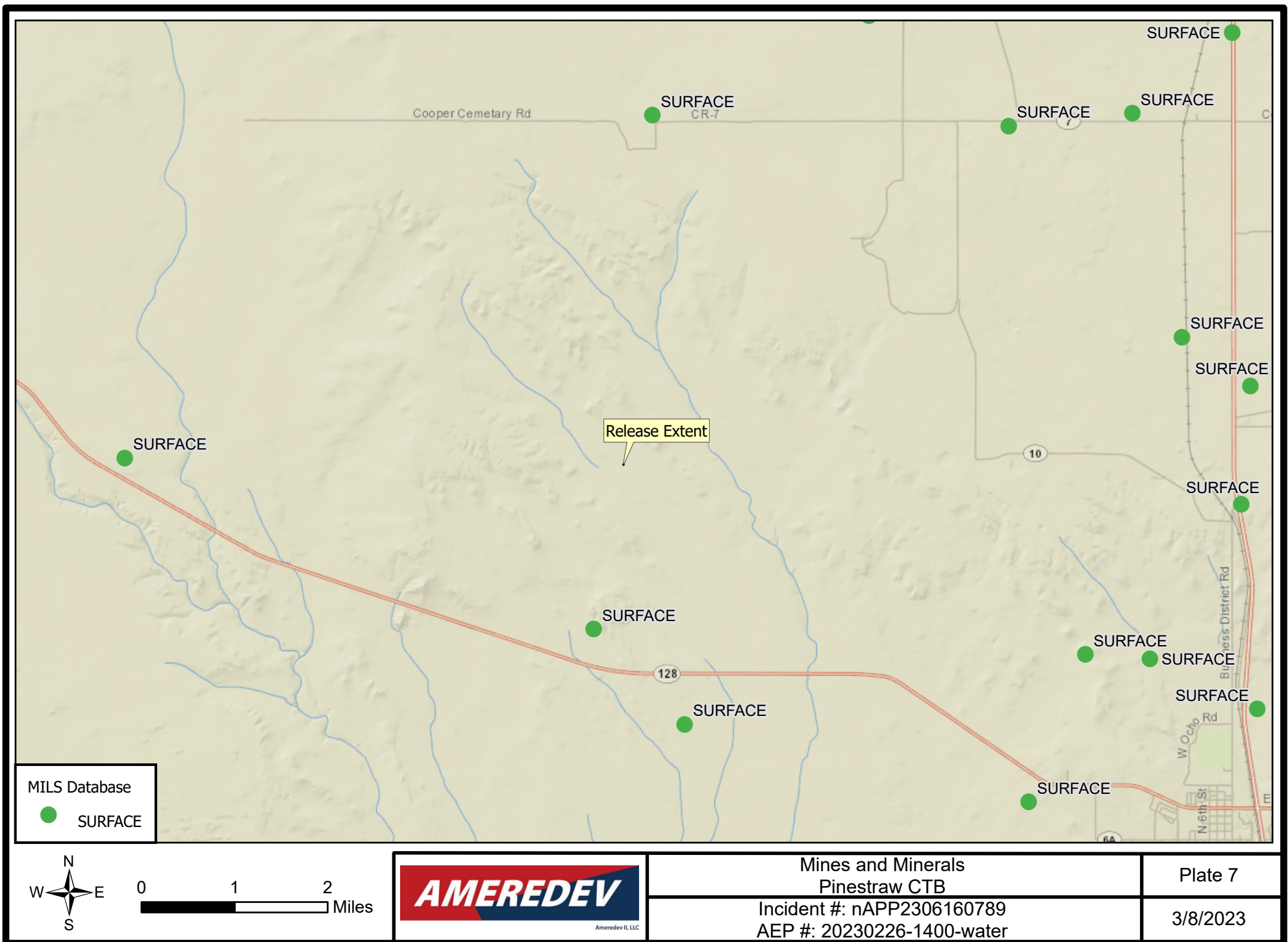




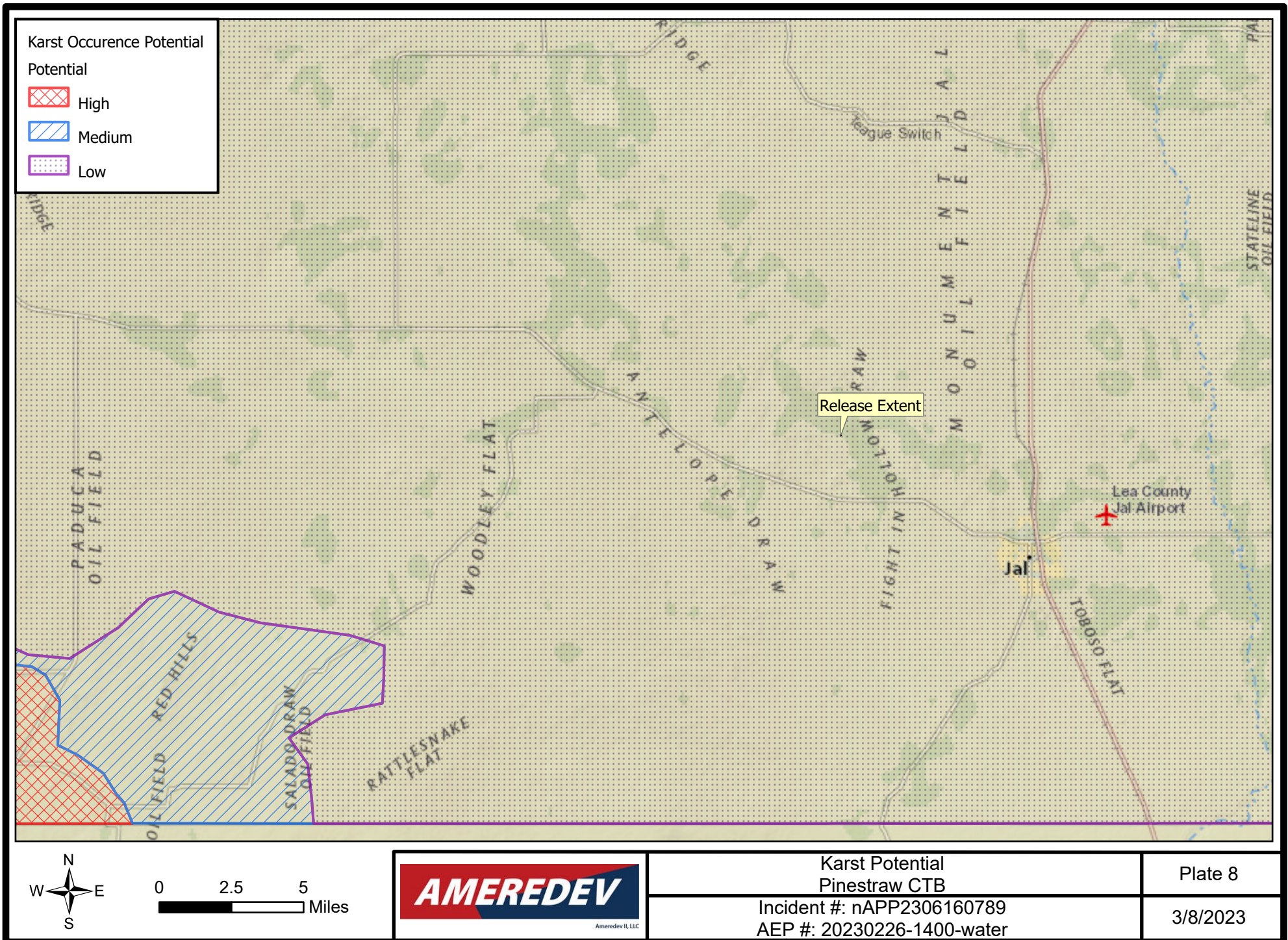




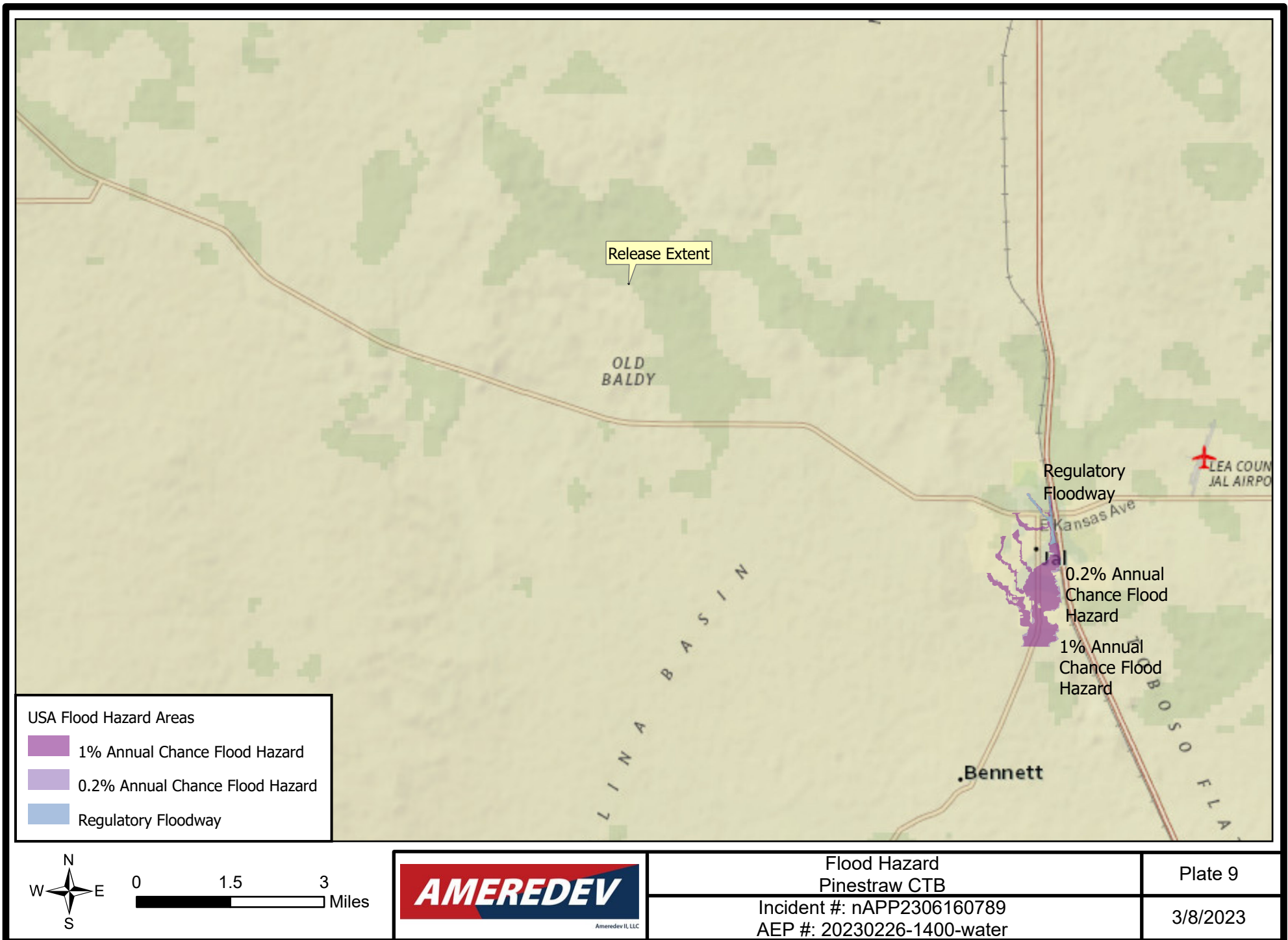


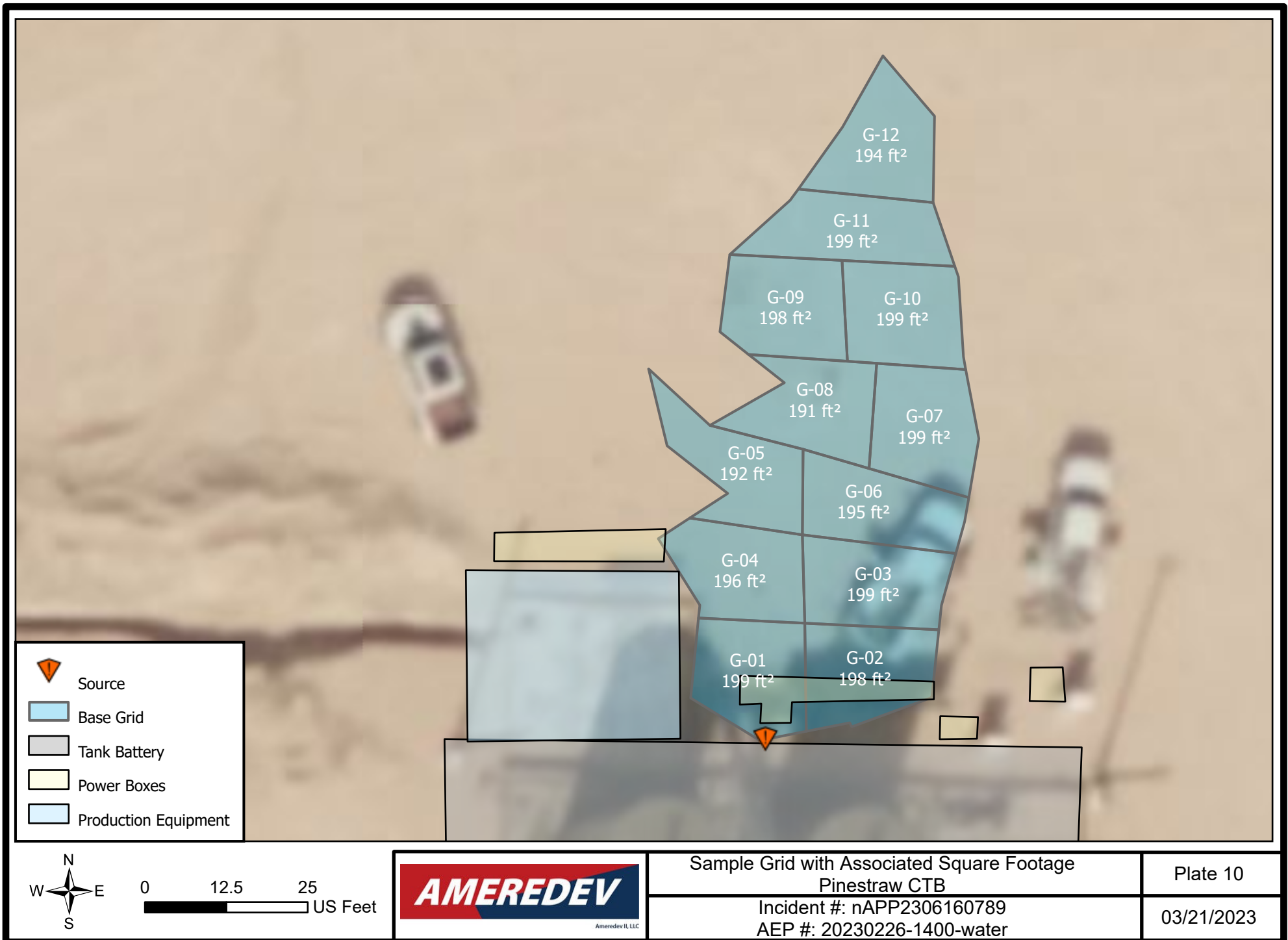


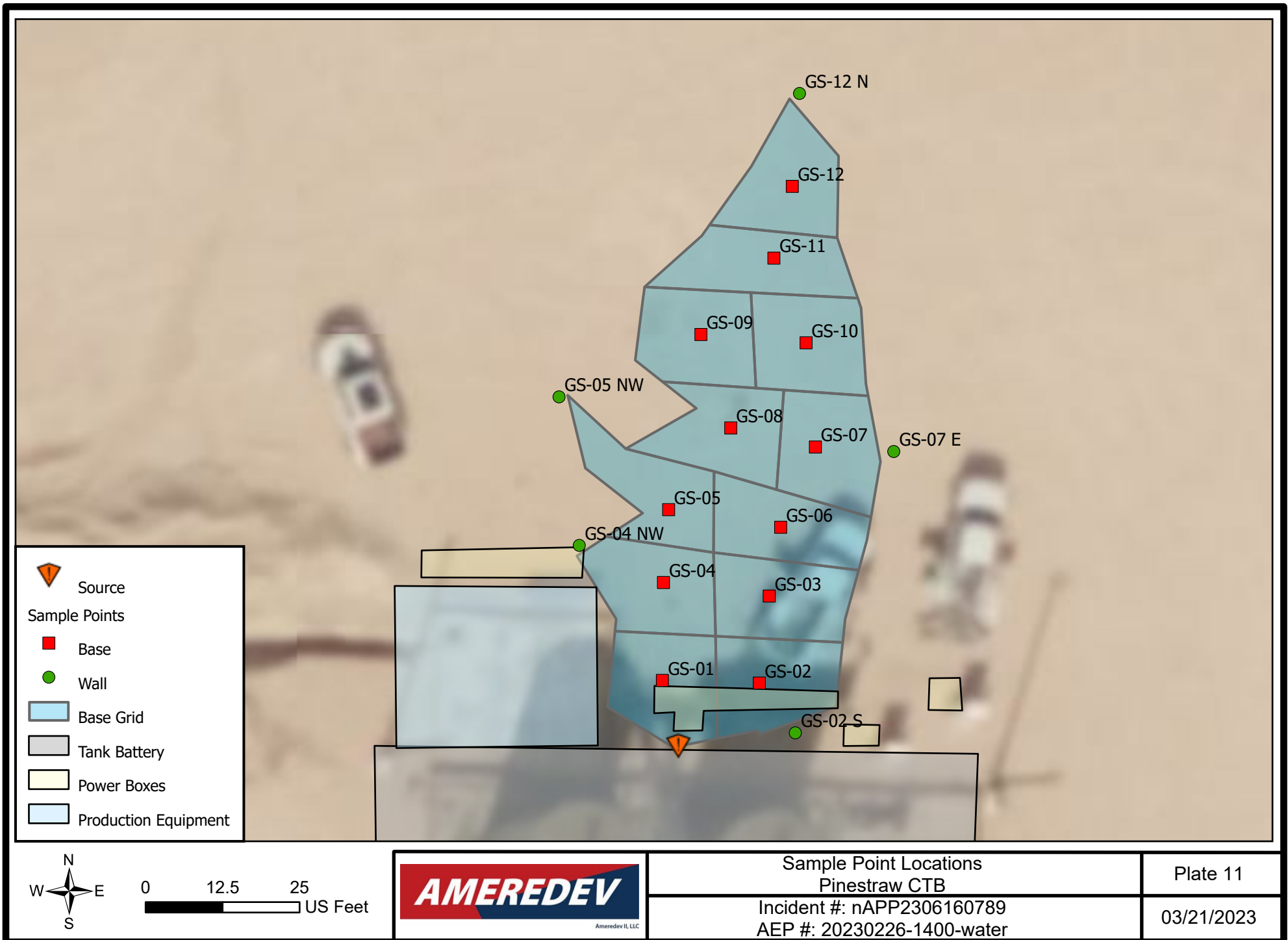












# Tables



Ameredeve II, LLC

Sample Point	Latitude	Longitude
GS-01	32.16502024	-103.2878014
GS-02	32.16501927	-103.2877584
GS-02 S	32.16500055	-103.2877424
GS-03	32.16505198	-103.2877540
GS-04	32.16505708	-103.2878010
GS-04 NW	32.16507103	-103.2878384
GS-05	32.16508446	-103.2877987
GS-05 NW	32.16512687	-103.2878473
GS-06	32.16507784	-103.2877489
GS-07	32.16510801	-103.2877335
GS-07 E	32.16510632	-103.2876986
GS-08	32.16511519	-103.2877711
GS-09	32.16515033	-103.2877843
GS-10	32.16514720	-103.2877376
GS-11	32.16517904	-103.2877519
GS-12	32.16520603	-103.2877437
GS-12 N	32.16524096	-103.2877405

March 21, 2023

Table B  
Summary of Analytical

Incident ID: nAPP2306160789

Pinestraw CTB

AEP #: 20230226-1400-water

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Comments	Lab (Hall/Cardinal)	Lab #
NMOCD Closure Criteria													
0 - 4 feet & "not in-use"						600	--	100	10	50			
> 4 ft or "in-use"						20,000	1,000	2,500	10	50			
GS-01	3/10/2023	1				64	<114	<124	<0.05	2.08		Cardinal	H231122
GS-02	3/10/2023	1				80	<45.7	<55.7	<0.05	<0.30		Cardinal	H231122
GS-02 S	3/10/2023		0	1		80	<20	<30	<0.05	<0.30		Cardinal	H231122
GS-03	3/10/2023	1				80	<20	<30	<0.05	<0.30		Cardinal	H231122
GS-04	3/10/2023	1				48	<20	<30	<0.05	<0.30		Cardinal	H231122
GS-04 NW	3/10/2023		0	1		32	<20	<30	<0.05	<0.30		Cardinal	H231122
GS-05	3/10/2023	1				32	<20	<30	<0.05	<0.30		Cardinal	H231122
GS-05 NW	3/10/2023		0	1		176	<20	<30	<0.05	<0.30		Cardinal	H231122
GS-06	3/10/2023	1				320	<20	<30	<0.05	<0.30		Cardinal	H231122
GS-07	3/10/2023	1				1010	<20	<30	<0.05	<0.30		Cardinal	H231122
GS-07 E	3/10/2023		0	1		352	<20	<30	<0.05	<0.30		Cardinal	H231122
GS-08	3/10/2023	1				336	<20	<30	<0.05	<0.30		Cardinal	H231122
GS-09	3/10/2023	1				208	<20	<30	<0.05	<0.30		Cardinal	H231122
GS-10	3/10/2023	1				32	<20	<30	<0.05	<0.30		Cardinal	H231122
GS-11	3/10/2023	1				336	<20	<30	<0.05	<0.30		Cardinal	H231122
GS-12	3/10/2023	1				112	<20	<30	<0.05	<0.30		Cardinal	H231122
GS-12 N	3/10/2023		0	1		368	<20	<30	<0.05	<0.30		Cardinal	H231122
Backfill 01	10/26/2022					16	<20	<30	<0.05	<0.30		Cardinal	H225055

# Appendix A

## Communications



Ameredeve II, LLC

**Andrew Parker**

---

**From:** Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>  
**Sent:** Monday, March 13, 2023 4:45 PM  
**To:** Andrew Parker  
**Cc:** Bratcher, Michael, EMNRD; Harimon, Jocelyn, EMNRD  
**Subject:** FW: [EXTERNAL] nAPP2306160789 2-day sampling notice

External (jennifer.nobui@emnrd.nm.gov)

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

Hello Andrew

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Notification for liner inspections and obtaining confirmation samples is two business days, not 48 hours. You may proceed with this inspection, however two business days' notice is required going forward. Inspections and confirmation samples will not be accepted without proper notification.

***19.15.29.11 A.(5)(a)(ii) at least two business days' notice to the appropriate division district office before conducting the liner inspection.***

***19.15.29.12D.(a) The responsible party must verbally notify the appropriate division district office two business days prior to conducting final sampling. If the division district office does not respond to the notice within the two business days, the responsible party may proceed with final sampling. The responsible party may request a variance from this requirement upon a showing of good cause as determined by the division.***

Please note: Notice to [ocd.enviro@emnrd.nm.gov](mailto:ocd.enviro@emnrd.nm.gov) and/or project reviewer or Incident Supervisor is considered notice to the appropriate district office.

Thanks,  
Jennifer Nobui

---

**From:** Andrew Parker <[aparker@ameredev.com](mailto:aparker@ameredev.com)>  
**Sent:** Monday, March 13, 2023 8:06 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Cc:** Laura Parker <[lparker@ameredev.com](mailto:lparker@ameredev.com)>; Jesus Palomares <[jpalomares@ameredev.com](mailto:jpalomares@ameredev.com)>  
**Subject:** [EXTERNAL] nAPP2306160789 2-day sampling notice

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

NMOCD:

Initial remedial actions commenced on Wednesday March 8<sup>th</sup>. Excavation of impacted material progressed at a faster rate than anticipated and characterization samples were collected on March 10<sup>th</sup>. Characterization samples may be used



for confirmation samples. Per 19.15.29 NMAC, please accept this email as the 2-day confirmation sampling notice. Ameredev understands that the 2-day notice was not met per the Rule and that NMOCD may request additional confirmation samples. A Remediation Plan will be submitted to NMOCD upon review of characterization sample analytical results.

A copy of this correspondence will be included in the forthcoming Remediation Plan.

Incident #: nAPP2306160789

AEP#: 20230226-1400-water

Location: Pinestraw CTB

Thank you,

Andrew Parker  
Environmental Scientist  
970-570-9535



---

**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us) <[OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)>

**Sent:** Friday, March 3, 2023 1:14 PM

**To:** Andrew Parker <[aparker@ameredev.com](mailto:aparker@ameredev.com)>

**Subject:** [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 192723

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#), 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,  
Jocelyn Harimon  
Environmental Specialist  
575-748-1283  
[Jocelyn.Harimon@emnrd.nm.gov](mailto:Jocelyn.Harimon@emnrd.nm.gov)

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

## Andrew Parker

---

**From:** OCDOnline@state.nm.us  
**Sent:** Thursday, March 2, 2023 5:53 PM  
**To:** Andrew Parker  
**Subject:** [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 192716

**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 accepted the submitted *Notification of a release* (NOR), for incident ID (n#) nAPP2306160789, 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 nAPP2306160789, 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

# Appendix B

## Well Logs



Ameredeve II, LLC



2904 W 2nd St.  
Roswell, NM 88201  
voice: 575.624.2420  
fax: 575.624.2421  
[www.atkinseng.com](http://www.atkinseng.com)

March 3, 2023

DII-NMOSE  
1900 W 2<sup>nd</sup> Street  
Roswell, NM 88201

*Hand Delivered to the DII Office of the State Engineer*

Re: Well Record CP- 1949 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- 1949 POD-1

If you have any questions, please contact me at 575.499.9244 or [lucas@atkinseng.com](mailto:lucas@atkinseng.com).

Sincerely,

A handwritten signature in black ink, appearing to read "Lucas Middleton".

Lucas Middleton

Enclosures: as noted above

2023 03 10 12:38:29 PM



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER



[www.ose.state.nm.us](http://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-1949			
	WELL OWNER NAME(S) Ameredev Operating, LLC				PHONE (OPTIONAL) 737-300-4700			
	WELL OWNER MAILING ADDRESS 2901 Via Fortuna Suite 600				CITY Austin	STATE TX	ZIP 78746	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 9	SECONDS 56.72	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103	17	42.72	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW L4 Sec.5 T25S 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 2/17/23	DRILLING ENDED 2/17/23	DEPTH OF COMPLETED WELL (FT) temporary well material		BORE HOLE DEPTH (FT) ±102	DEPTH WATER FIRST ENCOUNTERED (FT) n/a		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a	DATE STATIC MEASURED 2/20/23		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl) 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)
	0 102		±6.25"	Boring-HSA	--	--	--	--
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	4	4	Sand, fine-grained, poorly graded, Brown	Y    ✓ N	
	4	20	16	Sand, fine-grained, poorly graded, with Caliche, Tan/off white	Y    ✓ N	
	16	65	36	Sand, fine-grained, poorly grade, Tan Brown	Y    ✓ N	
	65	102	37	Clay, with fine silt, Hard, Brownish Red, Dry	Y    ✓ N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					0.00	
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: Temporary well material removed, backfilled using drill cuttings to 10 feet below ground surface (bgs), then from 10 bgs to surface with hydrated bentonite, see attached plugging record. DTW-15  					
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:  <div style="display: flex; justify-content: space-between;"> <div>             SIGNATURE OF DRILLER / PRINT SIGNEE NAME         </div> <div>           Jackie D. Atkins            DATE         </div> </div>					

FOR USE INTERNAL USE

WR-20 WELL RECORD &amp; 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-1949 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: 5/20/23 Date well plugging concluded: 5/20/23
- 5) GPS Well Location: Latitude: 32 deg, 9 min, 56.72 sec  
 Longitude: 103 deg, 17 min, 42.72 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 102 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: 1/18/23
- 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

3/7/23

Date \_\_\_\_\_








# 15-WR-20 Well Record and Log-packet-orsign

Final Audit Report

2023-03-07

Created:	2023-03-07
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAsbdOUFeXZFKzOqbnr7TDtrW1ynkEgmh8

## "15-WR-20 Well Record and Log-packet-orsign" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)  
2023-03-07 - 8:40:37 PM GMT- IP address: 64.17.82.146
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature  
2023-03-07 - 8:41:15 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)  
2023-03-07 - 8:59:30 PM GMT- IP address: 64.90.153.232
-  Document e-signed by Jack Atkins (jack@atkinseng.com)  
Signature Date: 2023-03-07 - 9:02:55 PM GMT - Time Source: server- IP address: 64.90.153.232
-  Agreement completed.  
2023-03-07 - 9:02:55 PM GMT

03:00 MAR 7 2023 PM 02



Adobe Acrobat Sign

# Appendix C

## Certificates of Analysis



Ameredev II, LLC



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

---

March 15, 2023

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: PINESTRAW CTB

Enclosed are the results of analyses for samples received by the laboratory on 03/10/23 16:29.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/10/2023	Sampling Date:	03/10/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	PINESTRAW CTB	Sampling Condition:	Cool & Intact
Project Number:	20230226-1400-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 01 1FT (H231122-01)**

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	03/13/2023	ND	2.07	104	2.00	0.472	
<b>Toluene*</b>	<b>0.416</b>	0.050	03/13/2023	ND	2.10	105	2.00	1.94	
<b>Ethylbenzene*</b>	<b>0.381</b>	0.050	03/13/2023	ND	2.08	104	2.00	1.80	
<b>Total Xylenes*</b>	<b>1.29</b>	0.150	03/13/2023	ND	6.33	105	6.00	1.12	
<b>Total BTX</b>	<b>2.08</b>	0.300	03/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	03/14/2023	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	03/13/2023	ND	216	108	200	4.85	
<b>DRO &gt;C10-C28*</b>	<b>104</b>	10.0	03/13/2023	ND	207	103	200	4.90	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/10/2023	Sampling Date:	03/10/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	PINESTRAW CTB	Sampling Condition:	Cool & Intact
Project Number:	20230226-1400-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 02 1FT (H231122-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2023	ND	2.07	104	2.00	0.472		
Toluene*	<0.050	0.050	03/13/2023	ND	2.10	105	2.00	1.94		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.08	104	2.00	1.80		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.33	105	6.00	1.12		
Total BTEX	<0.300	0.300	03/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/14/2023	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	03/13/2023	ND	216	108	200	4.85	
DRO >C10-C28*	35.7	10.0	03/13/2023	ND	207	103	200	4.90	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/10/2023	Sampling Date:	03/10/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	PINESTRAW CTB	Sampling Condition:	Cool & Intact
Project Number:	20230226-1400-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 02 S 0-1FT (H231122-03)**

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	03/13/2023	ND	2.07	104	2.00	0.472		
Toluene*	<0.050	0.050	03/13/2023	ND	2.10	105	2.00	1.94		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.08	104	2.00	1.80		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.33	105	6.00	1.12		
Total BTEX	<0.300	0.300	03/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/14/2023	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	03/13/2023	ND	191	95.5	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	159	79.3	200	20.4	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 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:	03/10/2023	Sampling Date:	03/10/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	PINESTRAW CTB	Sampling Condition:	Cool & Intact
Project Number:	20230226-1400-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 03 1FT (H231122-04)**

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	03/13/2023	ND	2.07	104	2.00	0.472		
Toluene*	<0.050	0.050	03/13/2023	ND	2.10	105	2.00	1.94		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.08	104	2.00	1.80		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.33	105	6.00	1.12		
Total BTEX	<0.300	0.300	03/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/14/2023	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	03/13/2023	ND	191	95.5	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	159	79.3	200	20.4	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 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:	03/10/2023	Sampling Date:	03/10/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	PINESTRAW CTB	Sampling Condition:	Cool & Intact
Project Number:	20230226-1400-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 04 1FT (H231122-05)**

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	03/13/2023	ND	2.07	104	2.00	0.472		
Toluene*	<0.050	0.050	03/13/2023	ND	2.10	105	2.00	1.94		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.08	104	2.00	1.80		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.33	105	6.00	1.12		
Total BTX	<0.300	0.300	03/13/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/14/2023	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	03/13/2023	ND	191	95.5	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	159	79.3	200	20.4	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 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:	03/10/2023	Sampling Date:	03/10/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	PINESTRAW CTB	Sampling Condition:	Cool & Intact
Project Number:	20230226-1400-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 04 NW 0-1FT (H231122-06)**

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	03/13/2023	ND	2.07	104	2.00	0.472		
Toluene*	<0.050	0.050	03/13/2023	ND	2.10	105	2.00	1.94		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.08	104	2.00	1.80		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.33	105	6.00	1.12		
Total BTEX	<0.300	0.300	03/13/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/14/2023	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	03/13/2023	ND	191	95.5	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	159	79.3	200	20.4	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 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:	03/10/2023	Sampling Date:	03/10/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	PINESTRAW CTB	Sampling Condition:	Cool & Intact
Project Number:	20230226-1400-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 05 1FT (H231122-07)**

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	03/13/2023	ND	2.21	110	2.00	0.260	
Toluene*	<0.050	0.050	03/13/2023	ND	2.18	109	2.00	0.594	
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.14	107	2.00	0.161	
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.55	109	6.00	0.665	
Total BTX	<0.300	0.300	03/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/14/2023	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	03/13/2023	ND	191	95.5	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	159	79.3	200	20.4	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 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:	03/10/2023	Sampling Date:	03/10/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	PINESTRAW CTB	Sampling Condition:	Cool & Intact
Project Number:	20230226-1400-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 05 NW 0-1FT (H231122-08)**

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	03/13/2023	ND	2.21	110	2.00	0.260	
Toluene*	<0.050	0.050	03/13/2023	ND	2.18	109	2.00	0.594	
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.14	107	2.00	0.161	
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.55	109	6.00	0.665	
Total BTEX	<0.300	0.300	03/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/14/2023	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	03/13/2023	ND	191	95.5	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	159	79.3	200	20.4	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 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:	03/10/2023	Sampling Date:	03/10/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	PINESTRAW CTB	Sampling Condition:	Cool & Intact
Project Number:	20230226-1400-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 06 1FT (H231122-09)**

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	03/13/2023	ND	2.21	110	2.00	0.260		
Toluene*	<0.050	0.050	03/13/2023	ND	2.18	109	2.00	0.594		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.14	107	2.00	0.161		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.55	109	6.00	0.665		
Total BTEX	<0.300	0.300	03/13/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/14/2023	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	03/13/2023	ND	191	95.5	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	159	79.3	200	20.4	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/10/2023	Sampling Date:	03/10/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	PINESTRAW CTB	Sampling Condition:	Cool & Intact
Project Number:	20230226-1400-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 07 1FT (H231122-10)**

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	03/13/2023	ND	2.21	110	2.00	0.260		
Toluene*	<0.050	0.050	03/13/2023	ND	2.18	109	2.00	0.594		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.14	107	2.00	0.161		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.55	109	6.00	0.665		
Total BTEx	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1010	16.0	03/14/2023	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	03/13/2023	ND	191	95.5	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	159	79.3	200	20.4	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 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:	03/10/2023	Sampling Date:	03/10/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	PINESTRAW CTB	Sampling Condition:	Cool & Intact
Project Number:	20230226-1400-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 07 E 0-1FT (H231122-11)**

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	03/13/2023	ND	2.21	110	2.00	0.260		
Toluene*	<0.050	0.050	03/13/2023	ND	2.18	109	2.00	0.594		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.14	107	2.00	0.161		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.55	109	6.00	0.665		
Total BTEX	<0.300	0.300	03/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	03/14/2023	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	03/13/2023	ND	191	95.5	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	159	79.3	200	20.4	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 79.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.0 % 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:	03/10/2023	Sampling Date:	03/10/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	PINESTRAW CTB	Sampling Condition:	Cool & Intact
Project Number:	20230226-1400-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 08 1FT (H231122-12)**

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	03/13/2023	ND	2.21	110	2.00	0.260		
Toluene*	<0.050	0.050	03/13/2023	ND	2.18	109	2.00	0.594		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.14	107	2.00	0.161		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.55	109	6.00	0.665		
Total BTEx	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	03/14/2023	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	03/13/2023	ND	191	95.5	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	159	79.3	200	20.4	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 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:	03/10/2023	Sampling Date:	03/10/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	PINESTRAW CTB	Sampling Condition:	Cool & Intact
Project Number:	20230226-1400-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 09 1FT (H231122-13)**

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	03/15/2023	ND	1.81	90.4	2.00	24.2		
Toluene*	<0.050	0.050	03/15/2023	ND	1.80	89.8	2.00	24.0		
Ethylbenzene*	<0.050	0.050	03/15/2023	ND	1.81	90.6	2.00	22.1		
Total Xylenes*	<0.150	0.150	03/15/2023	ND	5.72	95.3	6.00	21.3		
Total BTEx	<0.300	0.300	03/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	03/14/2023	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	03/13/2023	ND	191	95.5	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	159	79.3	200	20.4	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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**Analytical Results For:**

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

Received:	03/10/2023	Sampling Date:	03/10/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	PINESTRAW CTB	Sampling Condition:	Cool & Intact
Project Number:	20230226-1400-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 10 1FT (H231122-14)**

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	03/15/2023	ND	1.81	90.4	2.00	24.2		
Toluene*	<0.050	0.050	03/15/2023	ND	1.80	89.8	2.00	24.0		
Ethylbenzene*	<0.050	0.050	03/15/2023	ND	1.81	90.6	2.00	22.1		
Total Xylenes*	<0.150	0.150	03/15/2023	ND	5.72	95.3	6.00	21.3		
Total BTEX	<0.300	0.300	03/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/14/2023	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	03/13/2023	ND	191	95.5	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	159	79.3	200	20.4	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 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:	03/10/2023	Sampling Date:	03/10/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	PINESTRAW CTB	Sampling Condition:	Cool & Intact
Project Number:	20230226-1400-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 11 1FT (H231122-15)**

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	03/15/2023	ND	1.81	90.4	2.00	24.2		
Toluene*	<0.050	0.050	03/15/2023	ND	1.80	89.8	2.00	24.0		
Ethylbenzene*	<0.050	0.050	03/15/2023	ND	1.81	90.6	2.00	22.1		
Total Xylenes*	<0.150	0.150	03/15/2023	ND	5.72	95.3	6.00	21.3		
Total BTEX	<0.300	0.300	03/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	03/14/2023	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	03/13/2023	ND	191	95.5	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	159	79.3	200	20.4	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 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:	03/10/2023	Sampling Date:	03/10/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	PINESTRAW CTB	Sampling Condition:	Cool & Intact
Project Number:	20230226-1400-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 12 1FT (H231122-16)**

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	03/15/2023	ND	1.81	90.4	2.00	24.2		
Toluene*	<0.050	0.050	03/15/2023	ND	1.80	89.8	2.00	24.0		
Ethylbenzene*	<0.050	0.050	03/15/2023	ND	1.81	90.6	2.00	22.1		
Total Xylenes*	<0.150	0.150	03/15/2023	ND	5.72	95.3	6.00	21.3		
Total BTEX	<0.300	0.300	03/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/14/2023	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	03/13/2023	ND	191	95.5	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	159	79.3	200	20.4	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 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:	03/10/2023	Sampling Date:	03/10/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	PINESTRAW CTB	Sampling Condition:	Cool & Intact
Project Number:	20230226-1400-WATER	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

**Sample ID: GS - 12 N 0-1FT (H231122-17)**

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	03/15/2023	ND	1.81	90.4	2.00	24.2		
Toluene*	<0.050	0.050	03/15/2023	ND	1.80	89.8	2.00	24.0		
Ethylbenzene*	<0.050	0.050	03/15/2023	ND	1.81	90.6	2.00	22.1		
Total Xylenes*	<0.150	0.150	03/15/2023	ND	5.72	95.3	6.00	21.3		
Total BTEX	<0.300	0.300	03/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	03/14/2023	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	03/13/2023	ND	191	95.5	200	13.5	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	159	79.3	200	20.4	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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

---

Celey D. Keene, Lab Director/Quality Manager





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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>Amerceder</b>		P.O. #: <b>20230226-1400-water</b>		BILL TO		ANALYSIS REQUEST	
Project Manager: <b>Andrew Parker</b>		Company: <b>Amerceder</b>					
Address: <b>On-File</b>		Attn: <b>aparker@amerceder.com</b>					
City:	State:	Zip:	Address:	City:	State:	Zip:	
Phone #:	Fax #:	Project Owner:	Address:	City:	State:	Zip:	
Project #:			Address:	City:	State:	Zip:	
Project Name: <b>20230226-1400-water</b>			Address:	City:	State:	Zip:	
Project Location: <b>Firestony CTB</b>			Address:	City:	State:	Zip:	
Sampler Name: <b>Jesus Palomares</b>			Address:	City:	State:	Zip:	
FOR LAB USE ONLY			Address:	City:	State:	Zip:	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	
				GROUNDWATER			
				WASTEWATER			
				SOIL			
				OIL			
				SLUDGE			
				OTHER :			
				ACID/BASE:			
				ICE / COOL			
				OTHER :			
				DATE	TIME		
<b>A031122</b>							
1	35-01	1ft	✓	03-10	12:27	✓	Chloride
2	35-02	1ft	✓		12:41	✓	TPH (GRO+DRO+MRO)
3	35-02.5	0-1ft	✓		12:57	✓	BTEX (Benzene)
4	35-03	1ft	✓		13:08	✓	
5	35-04	1ft	✓		13:21	✓	
6	35-04 NW	0-1ft	✓		13:33	✓	
7	35-05	1ft	✓		13:42	✓	
8	35-05 NW	0-1ft	✓		13:50	✓	
9	35-06	1ft	✓		13:57	✓	
10	35-07	1ft	✓		14:08	✓	

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Relinquished By: *[Signature]* Date: **03-10-23** Received By: *[Signature]* Date: **03-10-23**

Time: **1:00 PM** Date: **03-10-23** Received By: *[Signature]* Time: **1:00 PM**

Delivered By: (Circle One) **Observed Temp. °C: 3.6** Sample Condition **Intact** CHECKED BY: *[Signature]* (Initials)

Sampler - UPS - Bus - Other: **Corrected Temp. °C: 3.0** ☒ Yes ☐ No **COOL** ☒ Yes ☐ No

Thermometer ID #113 Correction Factor -0.6°C

Turnaround Time: **Temp Blank 72.2°C** Standard ☒ Bacteria (only) Sample Condition **Observed Temp. °C** ☒ Cool ☐ Intact ☐ Yes ☐ No **Corrected Temp. °C** ☐ Yes ☐ No

Verbal Result: ☐ Yes ☐ No Add'l Phone #: **All Results are emailed. Please provide Email address:**

REMARKS: **Temp Blank 72.2°C**

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





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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Amerender <b>Project Manager:</b> Andrew Parker <b>Address:</b> On-File <b>City:</b> State: Zip: <b>Phone #:</b> Fax #: <b>Project #:</b> Project Owner: <b>Project Name:</b> 20230226-1400-waters <b>Project Location:</b> Pinestraw CTB <b>Sampler Name:</b> Jesus Palomas FOR LAB USE ONLY		<b>BILL TO</b> <b>P.O. #:</b> 20230226-1400-waters <b>Company:</b> Amerender <b>Attn:</b> aparker@amerender.com <b>Address:</b> <b>City:</b> State: Zip: <b>Phone #:</b> Fax #: <b>Project #:</b>		<b>ANALYSIS REQUEST</b>	
<b>Lab I.D.</b> Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER MATRIX SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE TIME		Chloride TPH (GRO+DRO+MRO) BTEX (Benzene)	
11 12 13 14 15 16 17	GS-07E GS-08 GS-09 GS-10 GS-11 GS-12 GS-12N	0-1ft 1ft 1ft 1ft 1ft 1ft 0-1ft	9 1 1 1 1 1 1	03-10 03-10 03-10 03-10 03-10 03-10 03-10	14:15 14:20 14:24 14:31 14:34 14:40 14:48
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Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C Corrected Temp. °C Sample Condition Cool Intact Yes No Yes No		CHECKED BY: (Initials) Tumoround Time: Standard Rush Thermometer ID #113 Correction Factor -0.6°C Bacteria (only) Sample Condition Cool Intact Yes No Yes No Corrected Temp. °C	
REMARKS: TEMP 16PMX 2.2C					
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address:					

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



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---

November 02, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: PEACH RISER

Enclosed are the results of analyses for samples received by the laboratory on 10/26/22 16:26.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/02/2022	Sampling Type:	Soil
Project Name:	PEACH RISER	Sampling Condition:	Cool & Intact
Project Number:	20220920-2300-WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: PEACH RISER TOP SOIL 01 (H225055-01)**

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	11/02/2022	ND	1.86	92.9	2.00	3.21	
Toluene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	3.24	
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.06	103	2.00	3.58	
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.26	104	6.00	3.40	
Total BTEX	<0.300	0.300	11/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/31/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	167	83.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	175	87.4	200	0.439	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 93.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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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:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/02/2022	Sampling Type:	Soil
Project Name:	PEACH RISER	Sampling Condition:	Cool & Intact
Project Number:	20220920-2300-WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: PEACH RISER BACKFILL 01 (H225055-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.86	92.9	2.00	3.21		
Toluene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	3.24		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.06	103	2.00	3.58		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.26	104	6.00	3.40		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/31/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	167	83.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	175	87.4	200	0.439	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 89.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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---

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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



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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

# Appendix D

## Liner Inspection Correspondence



Ameredeve II, LLC

**Andrew Parker**

---

**From:** Rebecca Lara <rlara@bugleenergy.com>  
**Sent:** Friday, March 31, 2023 11:26 AM  
**To:** Matthew (Brody) Boyd  
**Cc:** Andrew Parker  
**Subject:** [EXTERNAL] RE: Pinestraw containment  
**Attachments:** Ameredev Post Repair Report.xlsx  
  
**Importance:** High

External (rlara@bugleenergy.com)

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

Good morning gentlemen!

I think the best way to handle the post-repair report is to create an Excel sheet and share it back and forth.

Please see attached and let me know if this works for both of you.

Thank you!

"MAKE IT THE BEST DAY EVER!!"

Rebecca Lara  
Business Development



Bugle Energy Services  
[rlara@bugleenergy.com](mailto:rlara@bugleenergy.com)  
432-296-3136 C 432-218-7839 O  
[www.bugleenergy.com](http://www.bugleenergy.com)  
<https://trunkline.com/en/rebeccal>

---

**From:** Rebecca Lara  
**Sent:** Thursday, March 30, 2023 10:53 AM  
**To:** Matthew (Brody) Boyd <mboyd@ameredev.com>  
**Cc:** Andrew Parker <aparker@ameredev.com>  
**Subject:** RE: Pinestraw containment

I will try and get you a Pinestraw report as soon as I can.

Thanks!

<https://trunkline.com/en/rebeccal>

---

**From:** Matthew (Brody) Boyd <[mboyd@ameredev.com](mailto:mboyd@ameredev.com)>

**Sent:** Thursday, March 30, 2023 10:36 AM

**To:** Rebecca Lara <[rlara@bugleenergy.com](mailto:rlara@bugleenergy.com)>

**Cc:** Andrew Parker <[aparker@ameredev.com](mailto:aparker@ameredev.com)>

**Subject:** Pinestraw containment

Rebecca,

I was wondering if you could send a post job repair report on these containments as the crews are fixing them. If so I would love to get the Pinestraw CTB report asap.

Thanks

Brody Boyd

Ameredev

Location	Coordinates	Repair Date	Repairs
Pinestraw CTB	32.1642552, -103.288074	3/22/2023	Repaired 67 holes in liner, (1) 5x5 & (1) 13x9 liner patch, 4 panels patched, 2 panels re-sprayed, replaced 10' of base flashing,



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

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

CONDITIONS  
  
Action 205671

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 205671
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please implement 19.15.29.13 NMAC when completing P&A.	5/12/2023