

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 176239

QUESTIONS

| | |
|--|--|
| Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746 | OGRID: 372224 |
| | Action Number: 176239 |
| | Action Type: [NOTIFY] Notification Of Release (NOR) |

QUESTIONS

| | |
|--|---------------------------------------|
| Location of Release Source <i>Please answer all the questions in this group.</i> | |
| Site Name | DeSoto Springs #3 20230106-1100-water |
| Date Release Discovered | 01/06/2023 |
| 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 |
| 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 Pipeline (Any) Produced Water Released: 12 BBL Recovered: 0 BBL Lost: 12 BBL. |
| Is the concentration of dissolved chloride in the produced water >10,000 mg/l | Yes |
| Condensate Released (bbls) Details | Not answered. |
| Natural Gas Vented (Mcf) Details | Not answered. |
| Natural Gas Flared (Mcf) Details | Not answered. |
| Other Released Details | Not answered. |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | Failure in cycle back process while removing produced water from leak detection system for in-ground containment |

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QUESTIONS, Page 2

Action 176239

QUESTIONS (continued)

| | |
|--|--|
| Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746 | OGRID: 372224 |
| | Action Number: 176239 |
| | 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 176239

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| Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746 | OGRID: 372224 |
| | Action Number: 176239 |
| | 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 176239

CONDITIONS

| | |
|--|--|
| Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746 | OGRID: 372224 |
| | Action Number: 176239 |
| | 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. | 1/16/2023 |

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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 | nAPP2301630287 |
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.0756495 Longitude -103.2815543
(NAD 83 in decimal degrees to 5 decimal places)

| | |
|--|-------------------------------|
| Site Name: DeSoto Springs #3 20230106-1100-water | Site Type: Recycling Facility |
| Date Release Discovered: 01/06/2023 | API# (if applicable) |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| H | 5 | 26 S | 36 E | Lea |

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

Nature and Volume of Release

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

| | | |
|--|--|---|
| <input type="checkbox"/> Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 12 bbls | Volume Recovered (bbls) 0 |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

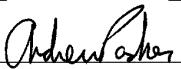
Cause of Release: Failure in cycle back process while removing produced water from leak detection system for in-ground containment

| | |
|----------------|----------------|
| Incident ID | nAPP2301630287 |
| 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>01/16/2023</u> |
| email: <u>aparker@ameredev.com</u> | Telephone: <u>970-570-9535</u> |
| <u>OCD Only</u> | |
| Received by: <u>Jocelyn Harimon</u> | Date: <u>01/17/2023</u> |

| Spill Dimensions to Volume of Release | | | |
|---------------------------------------|--|----------|---------|
| Input | volume of affected soil | [feet^3] | 1970.40 |
| 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] | 69.0 |
| | | [gal] | 515.9 |
| | | Barrels | 12.3 |

| From GIS | |
|------------|--------|
| Sq. Ft | 2463 |
| Depth (ft) | 0.8 |
| Cu. Ft | 1970.4 |

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Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Action 176244

CONDITIONS

| | |
|--|---|
| Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746 | OGRID: 372224 |
| | Action Number: 176244 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| | | |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| jharimon | None | 1/17/2023 |

| | |
|----------------|----------------|
| Incident ID | nAPP2301630287 |
| District RP | |
| Facility ID | |
| Application ID | |

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

| | |
|----------------|----------------|
| Incident ID | nAPP2301630287 |
| District RP | |
| Facility ID | |
| Application ID | |

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

Printed Name: Andrew ParkerTitle: Env. ScientistSignature: Date: April 7, 2023email: aparker@ameredev.comTelephone: 970-570-9535**OCD Only**Received by: Jocelyn HarimonDate: 04/10/2023

| | |
|----------------|----------------|
| Incident ID | nAPP2301630287 |
| 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 7, 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 ApprovedSignature: Date: 05/10/2023



Ameredev II, LLC

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

April 7, 2023

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

RE: Deferral Request
Incident ID: nAPP2301630287
DeSoto Springs #3 Containment
AEP #: 20230106-1100-water

NMOCD:

Ameredev II, LLC submits this deferral request for the above referenced incident.

This report contains site characterization for incident number nAPP2301630287 in support of deferral request. The release occurred on January 6, 2023, due to failure in cycle back process while removing produced water from leak detection system for in-ground containment. The calculated volume of released produced water was 12 barrels.

The release occurred on an active production site (recycling facility) and flowed onto pastureland east of the containment. The release did not impact surface or groundwater. Figures 1-3 show release extent.



Figure 1: View of release extent at northern border of the in-ground containment facing east.

Date Taken: 2023-01-06 11:04:55

GPS: 32.0757990, -103.2815890

Incident ID: nAPP2301630287
DeSoto Springs #3 Containment
AEP #: 20230106-1100-water



Figure 2: View of release extent along anchor trench on the north side of the containment, facing east.

Date Taken: 2023-01-06 11:03:33



Figure 3: View of release extent in pastureland east of the containment, facing north.

Date Taken: 2023-01-06 11:09:47

GPS: 32.0757120 N, 103.2810300 W

04/07/2023

Released to Imaging: 5/10/2023 1:21:41 PM

Incident ID: nAPP2301630287
DeSoto Springs #3 Containment
AEP #: 20230106-1100-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

The 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 DeSoto Springs 3# recycling facilities, nearby utilities, and pasture. The source of the release is located at 32.0756495, -103.2815543 (Lat, Long; NAD83). The release extent covered an area of approximately 2,463 sq. ft.

1.2. Depth to Ground Water

The nearest water well is identified as MISC-405 (CP-00857 POD 1), located 0.16-miles north-northeast of the release. OSE well logs show a depth to water of 300-feet, gauged on 10/10/1996.

To provide adequate depth-to-water determination with water level data no more than 25-years old and within ½-mile of the release extent, Ameredev Operating initiated a depth-to-water borehole program mid-September 2022:

- Boreholes are located throughout Ameredev Operating leases in New Mexico.
- Located within ½-mile of identified areas, and
- Drilled to a depth of approximately 101-feet below ground surface, left open for 72-hours, then gauged for the presence of groundwater within the upper 100-feet of ground surface.

The depth-to-water boring nearest to the release area with adequate data is identified as MISC-410 (CP-1922 POD 1), located 0.33-miles northwest of release. Depth to water is greater than 101 ft below ground surface.

Depth-to-water data is mapped on Plate 2. The well logs are presented in Appendix B.

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.
- Within ½-mile private and domestic water sources (wells and springs). CP-00857 location verified by visual and GPS technology, is mapped as MISC-405 and located 845 ft from release extent. Point of Diversion document is presented in Appendix B.
- 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.
- Within 1000 feet of any other freshwater well or spring.

04/07/2023

Incident ID: nAPP2301630287
DeSoto Springs #3 Containment
AEP #: 20230106-1100-water

1.4. Distance to Nearest Significant Water Course

Plate 4 shows that the release extent is:

- Within ½ mile of a significant water course. Nearest watercourse is an intermittent stream located 2989 ft northeast of release extent.
- 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).

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 (recycling facility) and ROW used for oil and gas operations.

The release occurred in the Kermit-Palomas fine sands soil complex with a slope of 0 – 12%¹. The USDA Natural Resources Conservation Service (NRCS) soil survey describes the upper 5-feet of the Kermit lithology as

- *A - 0 to 8 inches*: fine sand
- *C - 8 to 60 inches*: fine sand

And the upper 5-feet of the Palomas lithology as

- *A - 0 to 16 inches*: fine sand
- *Bt - 16 to 60 inches*: sandy clay loam
- *Bk - 60 to 66 inches*: sandy loam

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

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 around the perimeter of the release extent for laboratory analysis of chloride, TPH, Benzene, and BTEX.

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

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

Incident ID: nAPP2301630287
DeSoto Springs #3 Containment
AEP #: 20230106-1100-water

Due to the proximity of a freshwater well, the release must be treated as if it occurred in less than 50 feet to groundwater per Table 1 of 19.15.29 NMAC as defined below:

- Where depth to water is <50 ft:
 - 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.

Offsite grid base (vertical delineation) samples GS-13 and GS-14 with associated horizontal delineation sample points GS-13 N, GS-13 S and GS-14 S met the strictest closure criteria as defined above; therefore, did not require remediation.

Onsite grid base (vertical delineation) samples GS-01, GS-06, GS-07, GS-08, GS-10, GS-11 and GS-12, as well as horizontal delineation samples GS-01 SE, GS-03 W, GS-05 W, GS-06 N, GS-07 N, GS-10 N and GS-12 S met the strictest closure criteria as defined above; therefore, did not require remediation.

2. Deferral Request

Ameredev Operating respectfully requests deferral of remediation of impacted areas on and immediately adjacent to the produced water inground containment berm (including the anchor trench) where remediation would impact the facility structural integrity and cause major facility deconstruction or destabilization as well as risking human health.

Deferral request meets criteria as defined in 19.15.29.12.C.(2):

- ***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.***

Remediation deferral is requested for Grids G-02, G-03, G-04, G-05, G-09 and the area around GS-07 SE where further delineation could not be completed due to containment liner. Appendix D contains sampling field notes and depths where liner was encountered if electrical conductivity field screening suggested that chlorides may exceed 600 mg/kg.

04/07/2023

Incident ID: nAPP2301630287
DeSoto Springs #3 Containment
AEP #: 20230106-1100-water

The release extent within the deferred areas on and adjacent to the recycling facility will be remediated, restored, and reclaimed per 19.15.29.13.A-D NMAC when the facility is no longer in-use for oil and gas operations.

Please contact me with any questions.

Sincerely,
Ameredev II, LLC



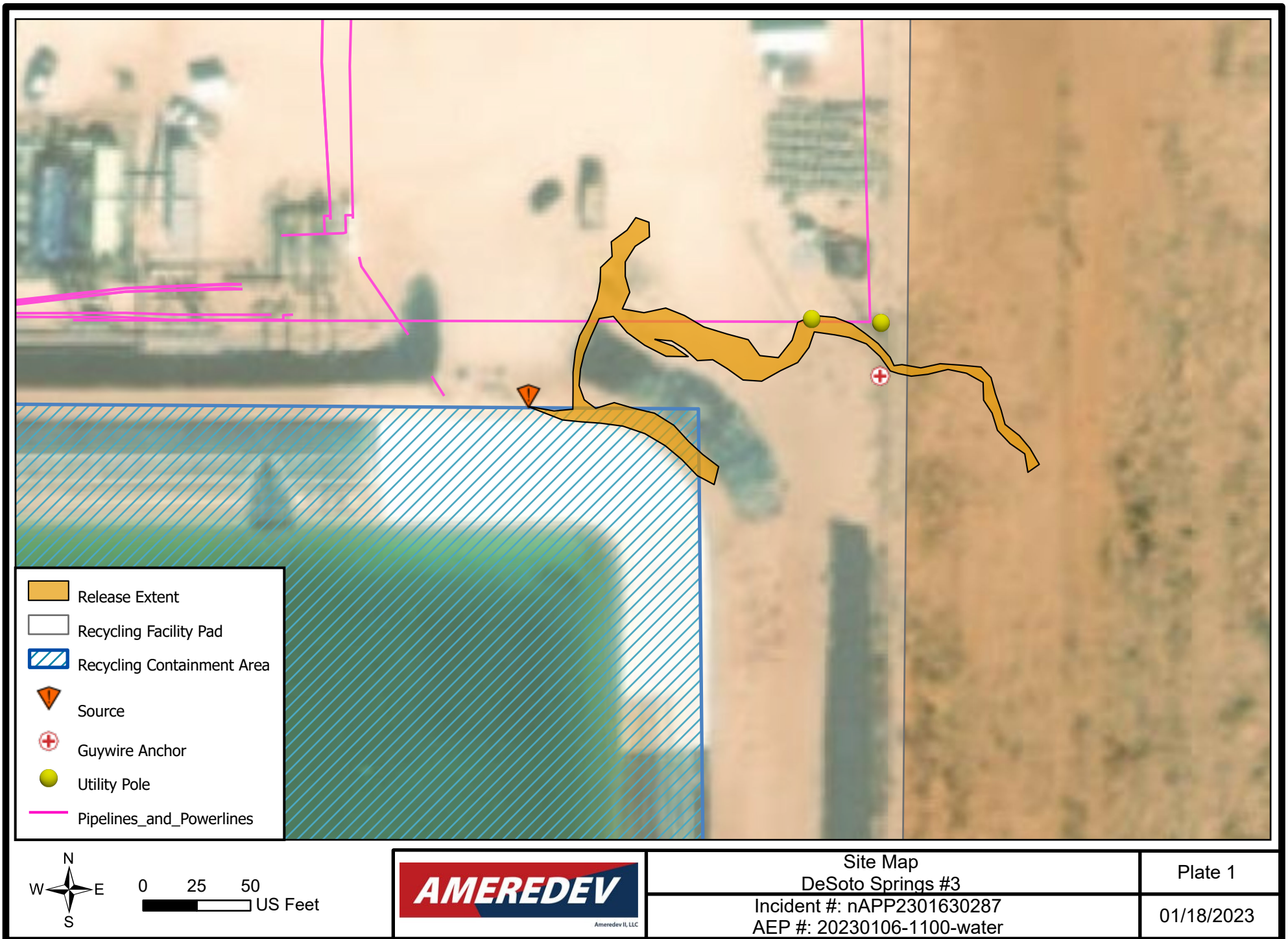
Andrew Parker
Env. Scientist

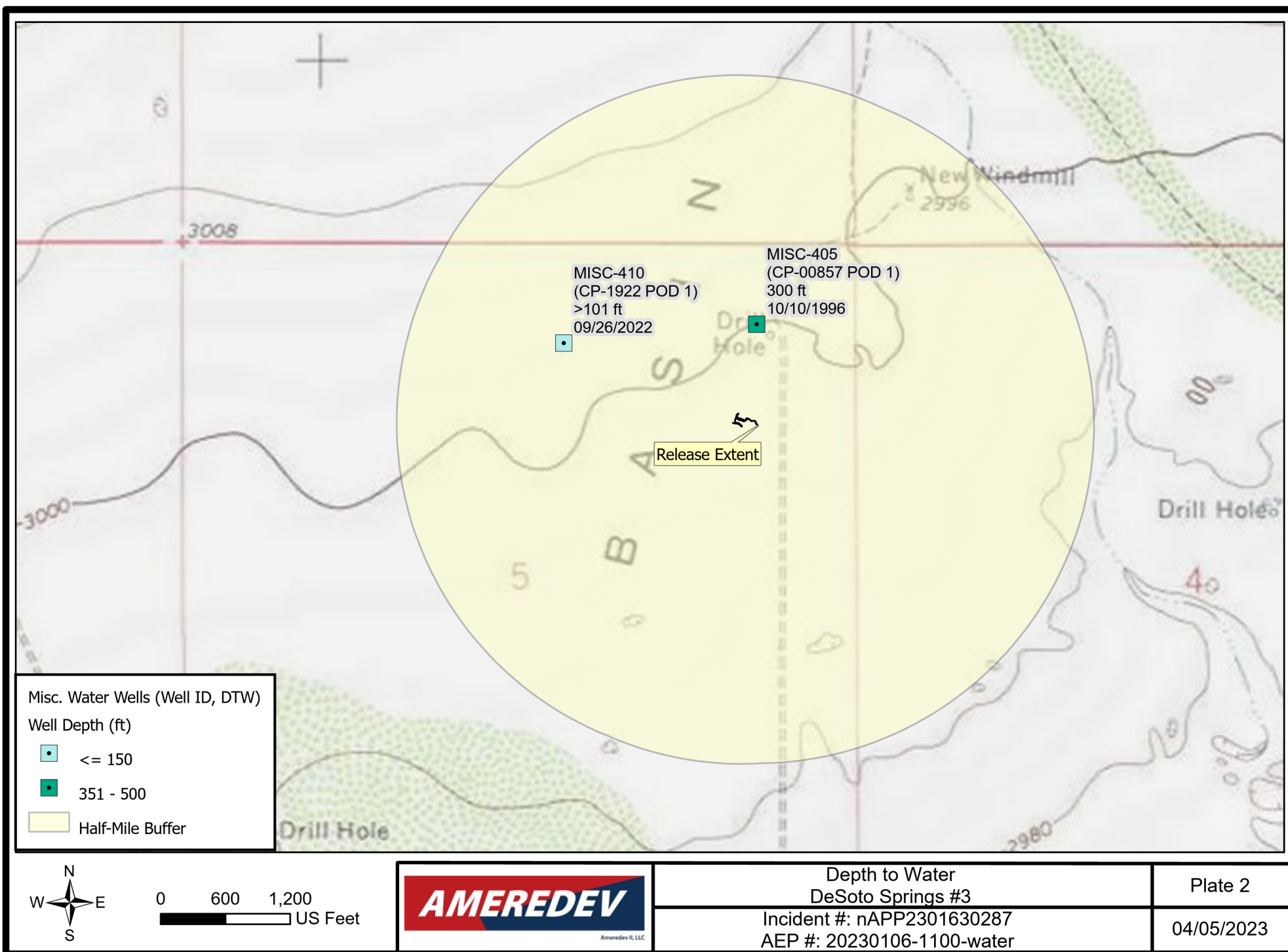
04/07/2023

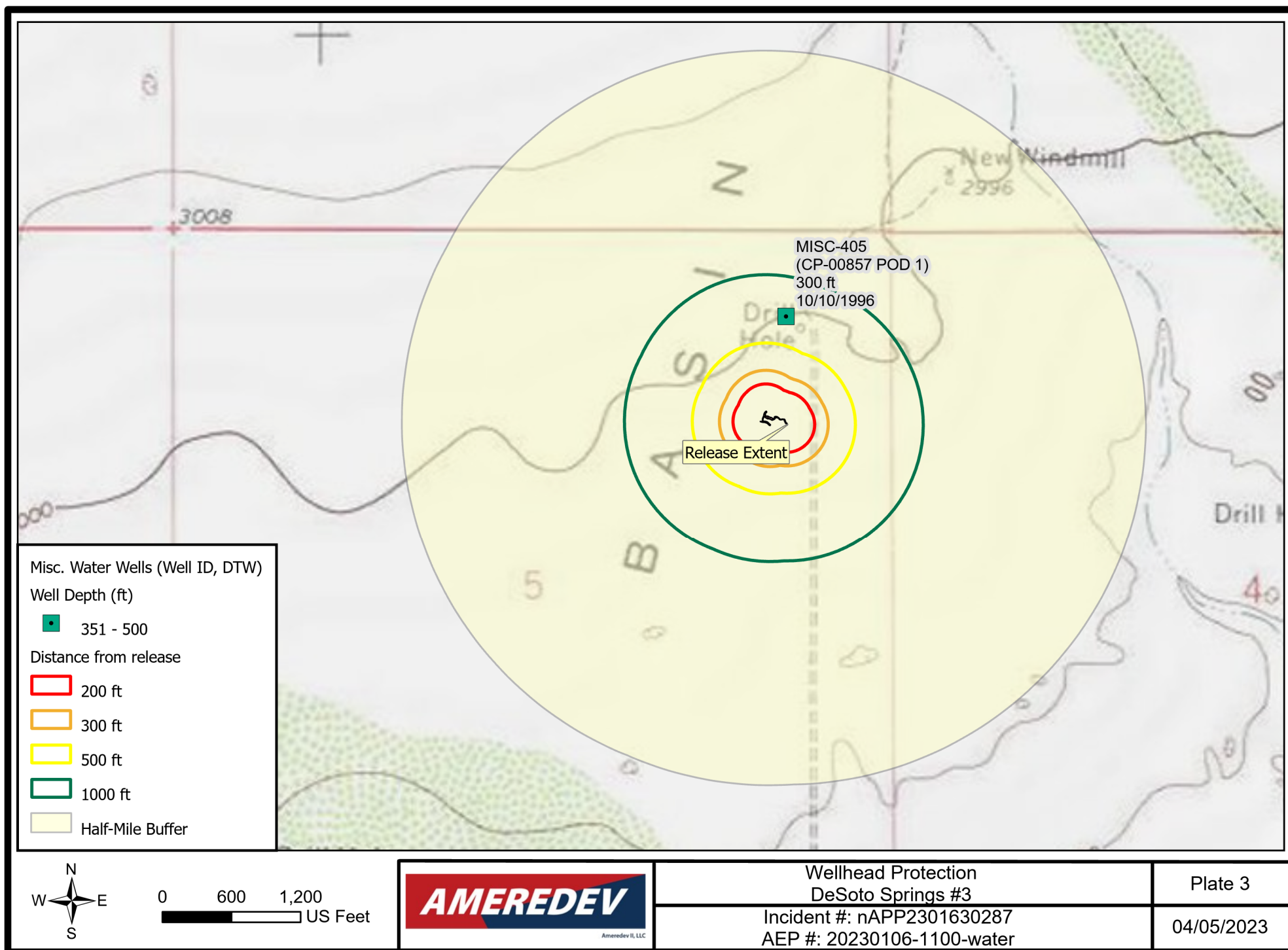
Plates

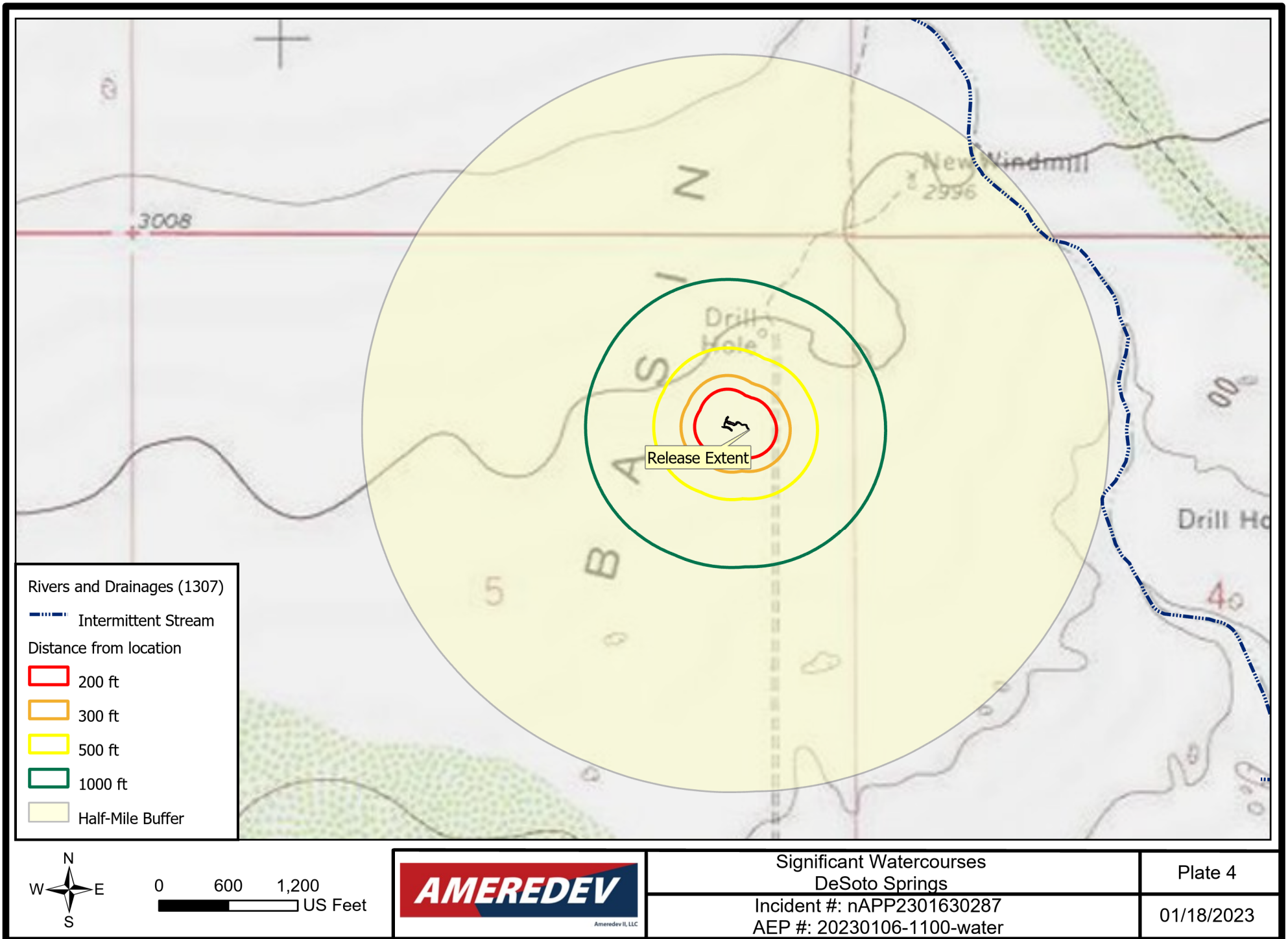


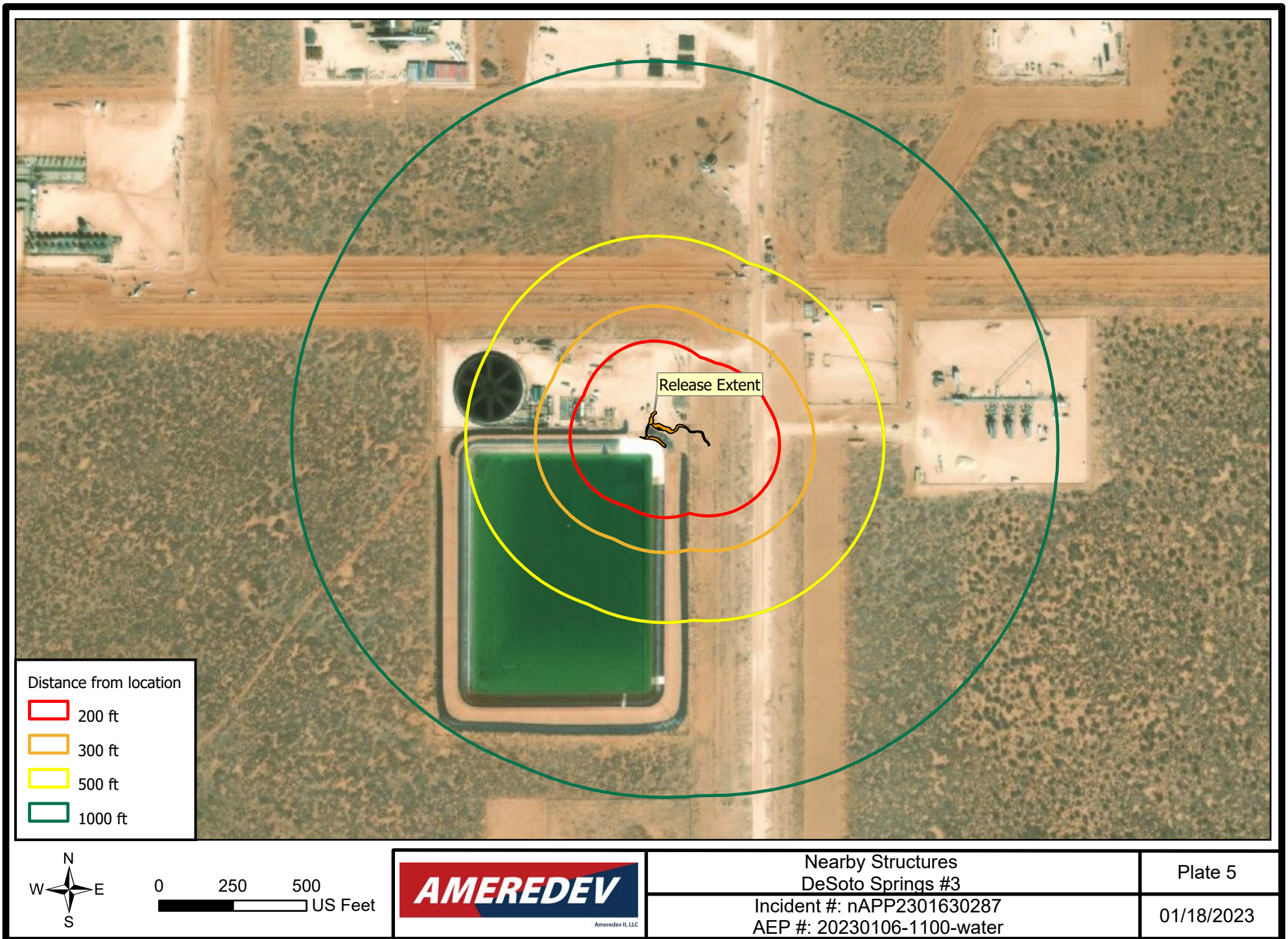
Ameredeve II, LLC

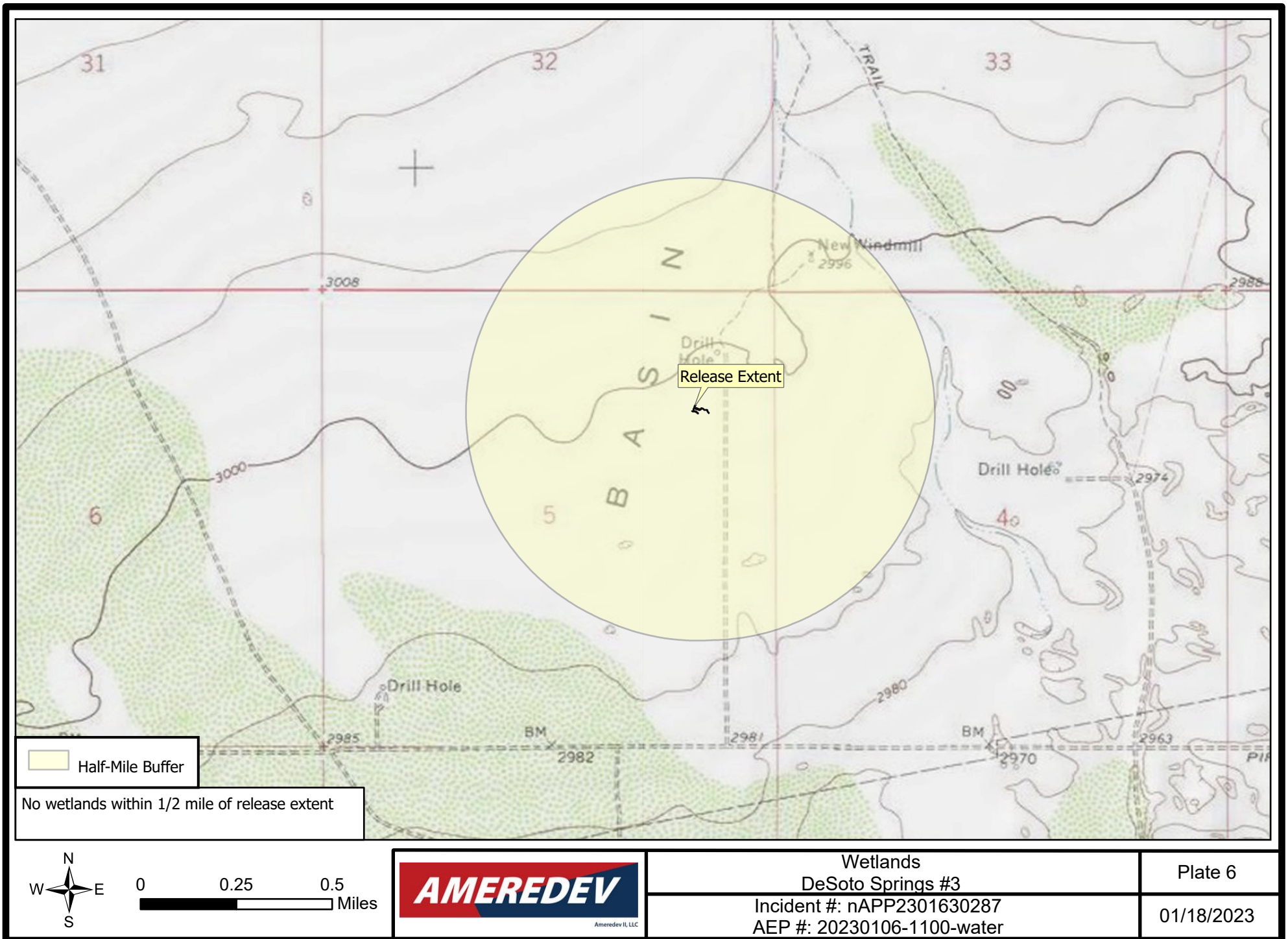


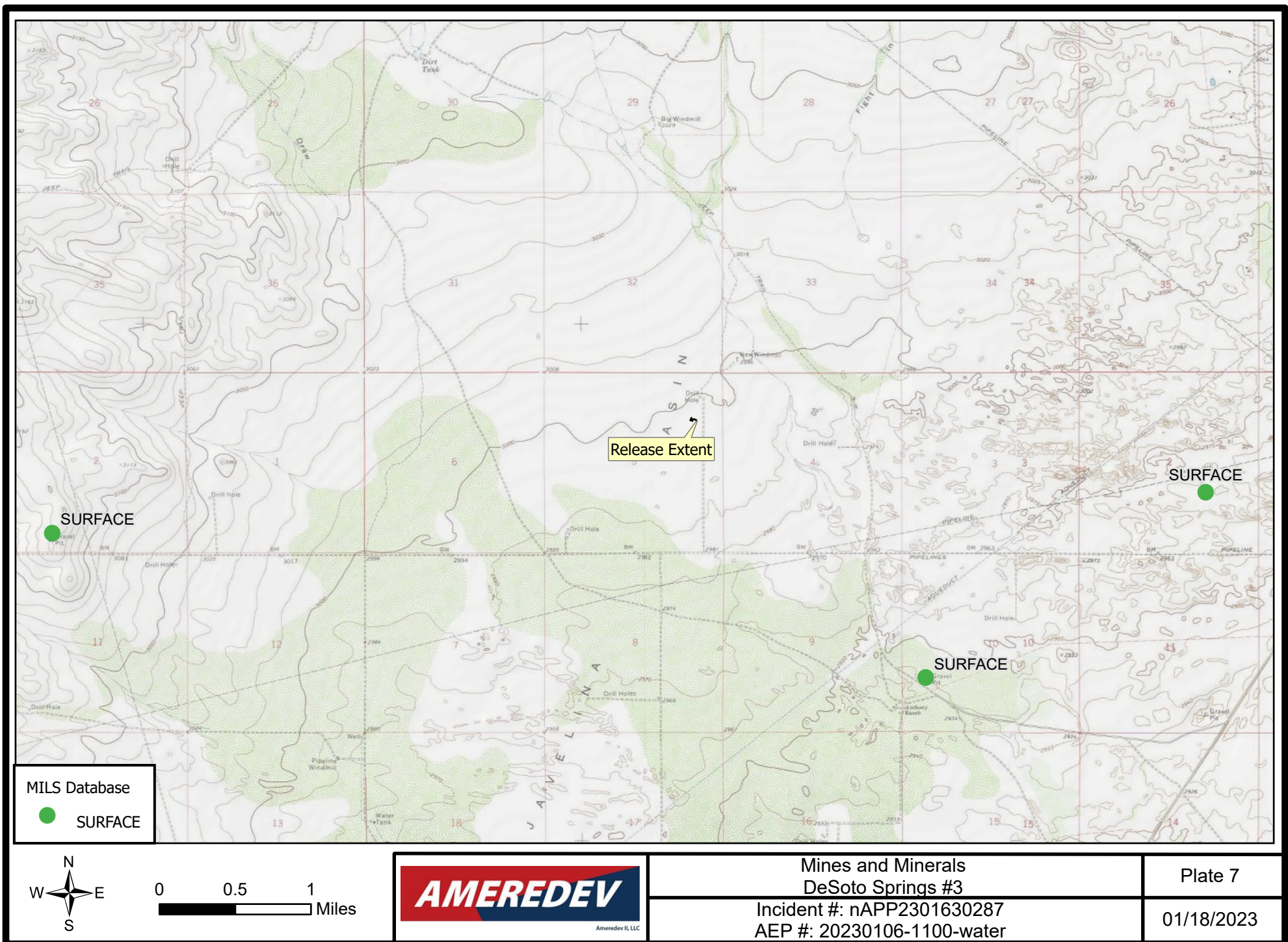


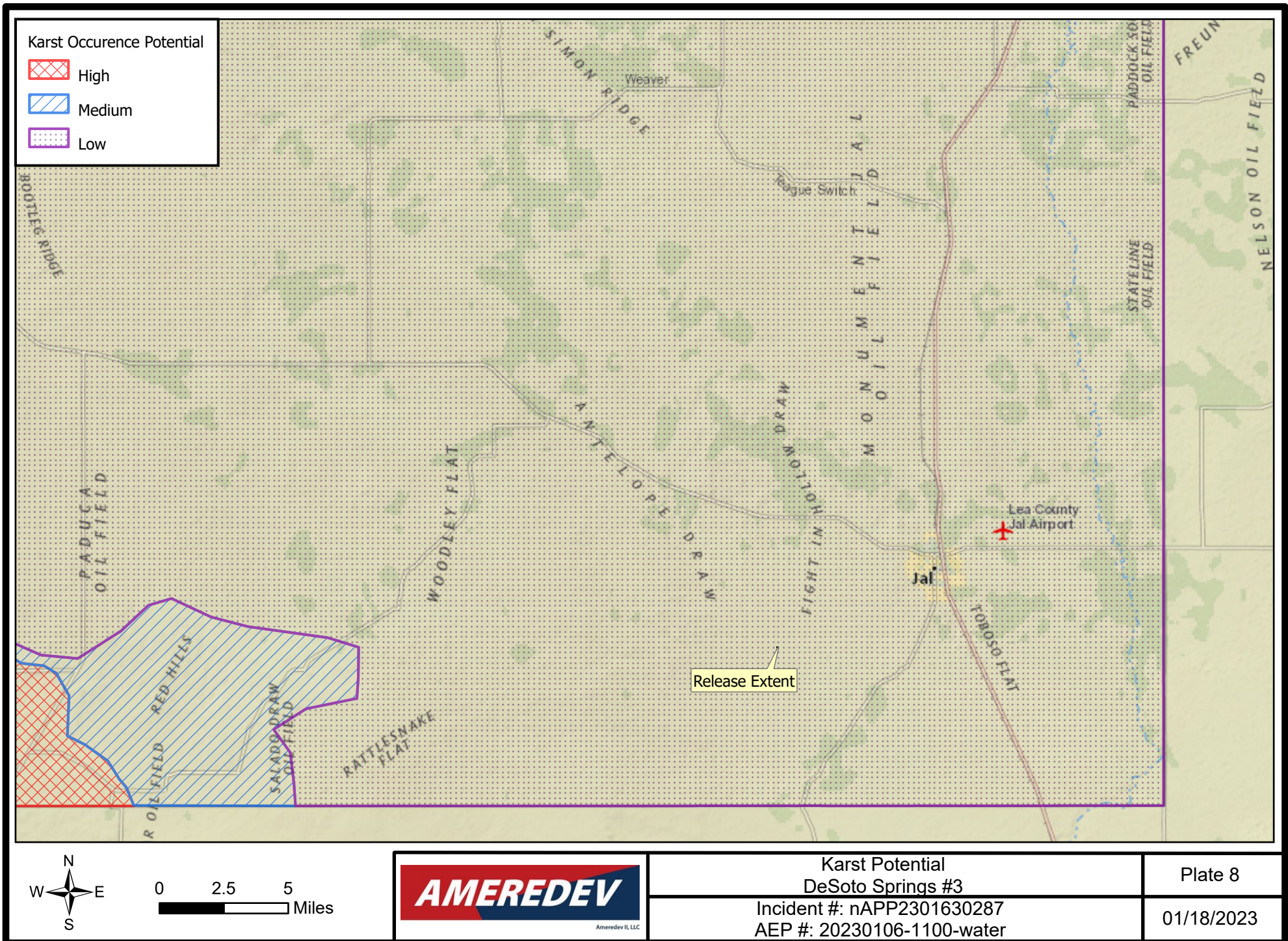


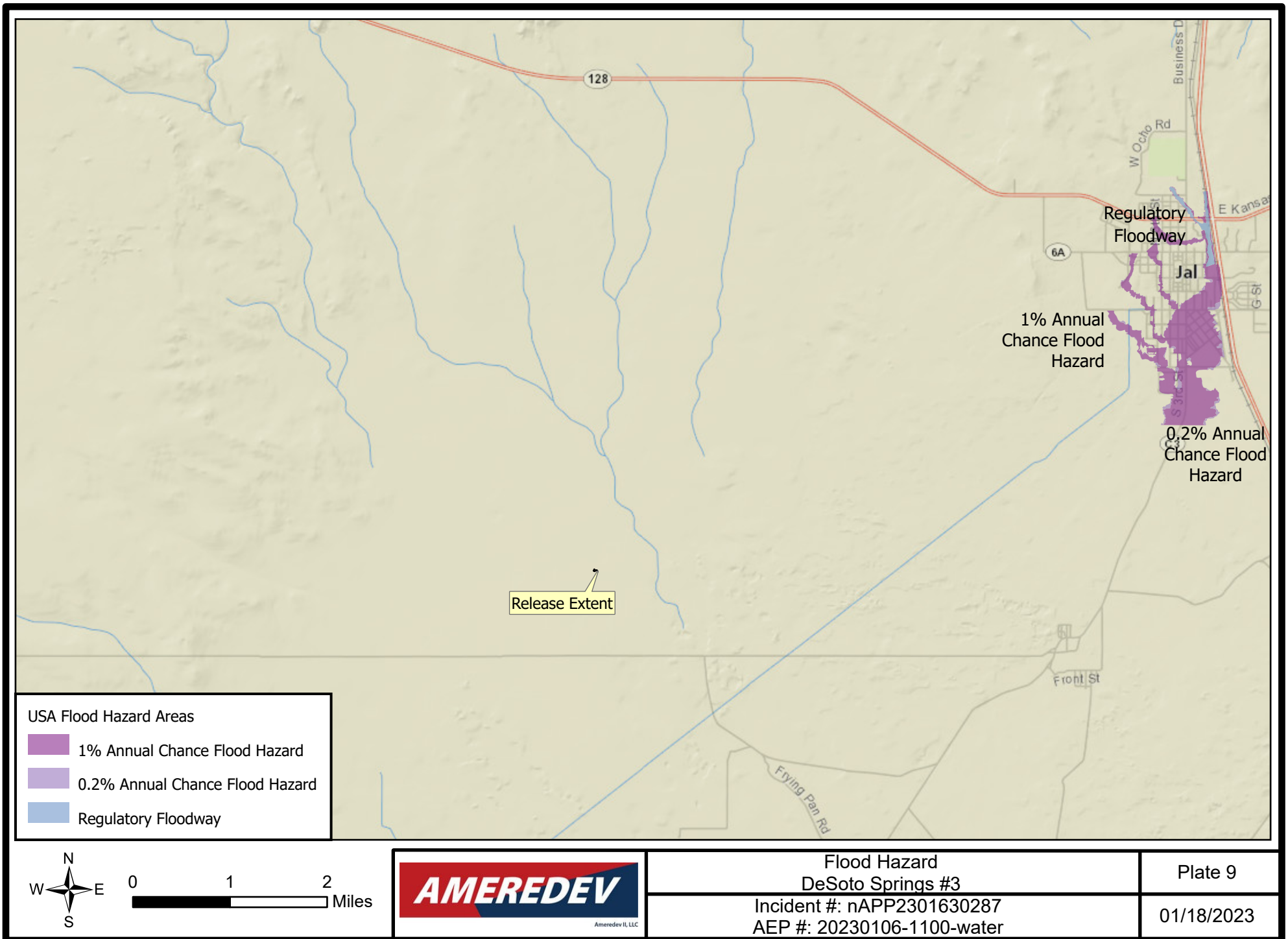


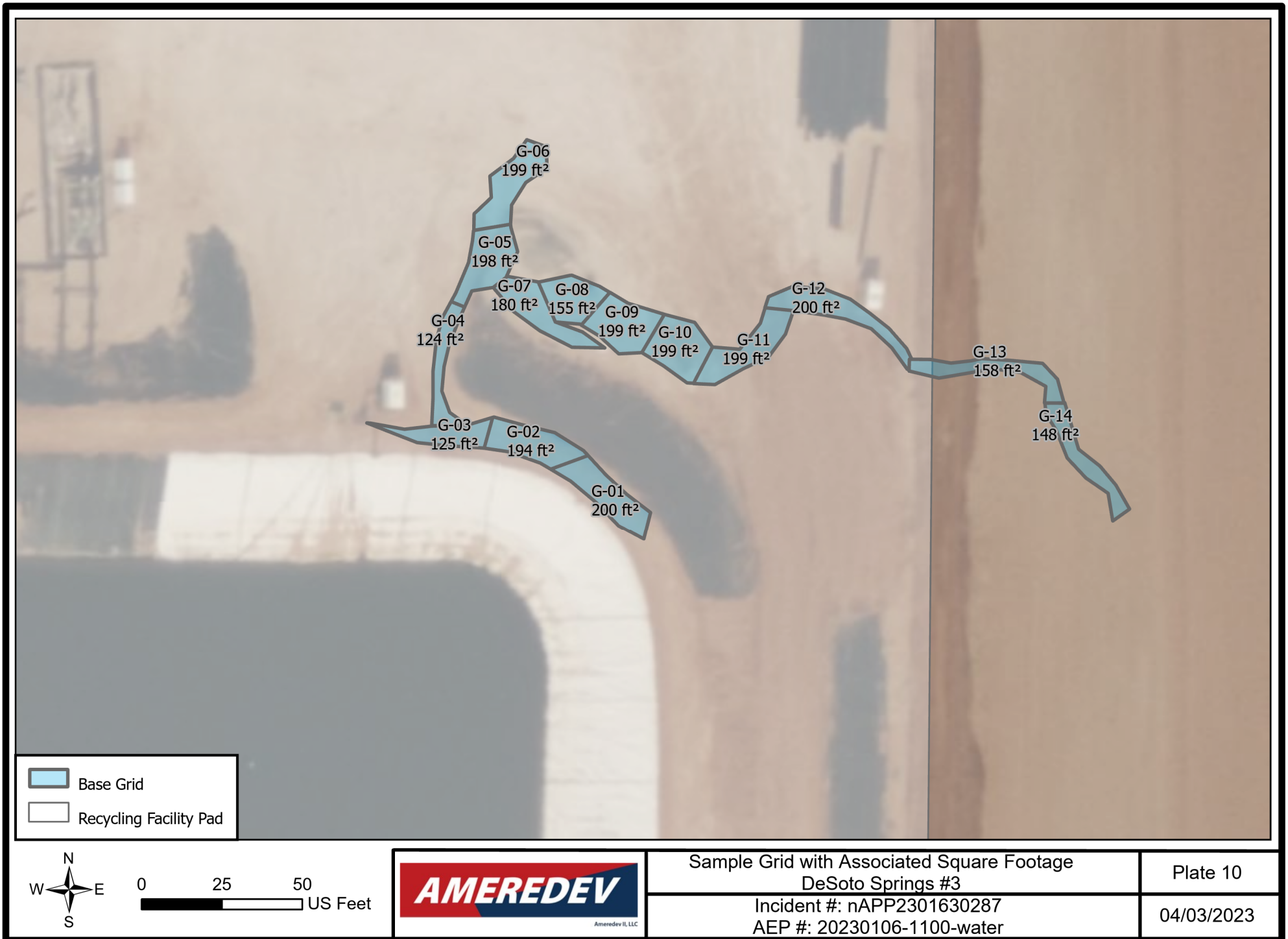


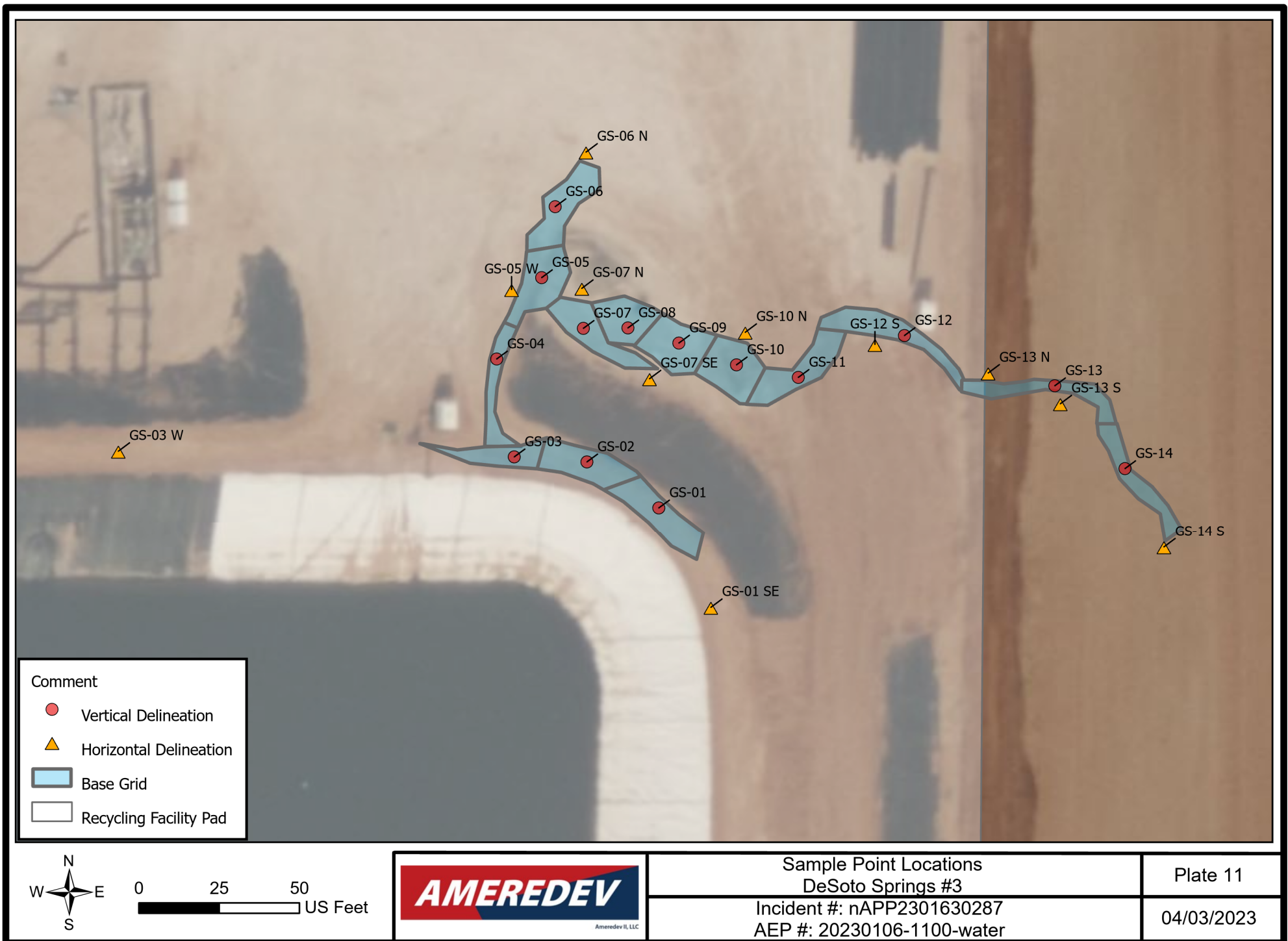












Tables



Ameredev II, LLC

| Sample Point | Latitude | Longitude |
|--------------|-------------|--------------|
| GS-01 | 32.07560328 | -103.2813516 |
| GS-01 SE | 32.07553095 | -103.2813072 |
| GS-02 | 32.07563650 | -103.2814129 |
| GS-03 | 32.07564013 | -103.2814749 |
| GS-03 W | 32.07564419 | -103.2818127 |
| GS-04 | 32.07571079 | -103.2814899 |
| GS-05 | 32.07576951 | -103.2814515 |
| GS-05 W | 32.07576083 | -103.2814772 |
| GS-06 | 32.07582072 | -103.2814400 |
| GS-06 N | 32.07586010 | -103.2814137 |
| GS-07 | 32.07573291 | -103.2814159 |
| GS-07 N | 32.07576177 | -103.2814173 |
| GS-07 SE | 32.07569650 | -103.2813595 |
| GS-08 | 32.07573320 | -103.2813779 |
| GS-09 | 32.07572227 | -103.2813345 |
| GS-10 | 32.07570657 | -103.2812853 |
| GS-10 N | 32.07573006 | -103.2812778 |
| GS-11 | 32.07569751 | -103.2812325 |
| GS-12 | 32.07572771 | -103.2811420 |
| GS-12 S | 32.07572122 | -103.2811672 |
| GS-13 | 32.07569147 | -103.2810137 |
| GS-13 N | 32.07570062 | -103.2810706 |
| GS-13 S | 32.07567845 | -103.2810090 |
| GS-14 | 32.07563167 | -103.2809538 |
| GS-14 S | 32.07557469 | -103.2809206 |

April 3, 2023

Table B
Summary of AnalyticalIncident ID: nAPP2301630287
DeSoto Springs #3 Containment
AEP #: 20230106-1100-water

| Sample ID | Date | Discrete Depth (Feet) | Top Depth (Feet) | Bottom Depth (Feet) | 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 | 3/21/2023 | | 0 | 2 | 560 | <20 | <30 | <0.05 | <0.30 | | Cardinal | H231280 |
| GS-01 | 3/21/2023 | | 2 | 4 | 160 | <20 | <30 | <0.05 | <0.30 | | Cardinal | H231280 |
| GS-01 SE | 3/21/2023 | | 0 | 0.5 | 176 | <20 | <30 | <0.05 | <0.30 | Liner at 0.5 ft - Defer | Cardinal | H231280 |
| GS-02 | 3/21/2023 | | 0 | 0.5 | 2880 | <20 | <30 | <0.05 | <0.30 | Liner at 0.5 ft - Defer | Cardinal | H231280 |
| GS-03 | 3/21/2023 | | 0 | 1 | 3680 | <20 | <30 | <0.05 | <0.30 | Liner at 1 ft - Defer | Cardinal | H231280 |
| GS-03 W | 3/21/2023 | | 0 | 0.5 | 112 | <20 | <30 | <0.05 | <0.30 | | Cardinal | H231280 |
| GS-04 | 3/21/2023 | | 0 | 0.75 | NS | NS | NS | NS | NS | | | |
| GS-04 | 3/21/2023 | | 0.75 | 1 | 2120 | <34.8 | <44.8 | <0.05 | 0.74 | Liner at 1 ft - Defer | Cardinal | H231280 |
| GS-05 | 3/21/2023 | | 0 | 2 | 1720 | <20 | <30 | <0.05 | <0.30 | Liner at 2 ft - Defer | Cardinal | H231280 |
| GS-05 W | 3/21/2023 | | 0 | 0.5 | 80 | <20 | <30 | <0.05 | <0.30 | | Cardinal | H231280 |
| GS-06 | 3/21/2023 | | 0 | 2 | 112 | <20 | <30 | <0.05 | <0.30 | | Cardinal | H231280 |
| GS-06 N | 3/21/2023 | | 0 | 0.5 | 224 | <20 | <30 | <0.05 | <0.30 | | Cardinal | H231280 |
| GS-07 | 3/21/2023 | | 0 | 0.5 | 464 | <20 | <30 | <0.05 | <0.30 | Liner at 0.5 ft | Cardinal | H231280 |
| GS-07 N | 3/21/2023 | | 0 | 2 | 112 | <20 | <30 | <0.05 | <0.30 | | Cardinal | H231280 |
| GS-07 SE | 3/21/2023 | | 0 | 2 | 96 | <405 | <590 | <0.05 | <0.30 | Defer | Cardinal | H231280 |
| GS-08 | 3/21/2023 | | 0 | 2 | 176 | <20 | <30 | <0.05 | <0.30 | | Cardinal | H231280 |
| GS-08 | 3/21/2023 | | 2 | 4 | 112 | <20 | <30 | <0.05 | <0.30 | | Cardinal | H231280 |
| GS-09 | 3/21/2023 | | 0 | 2 | 752 | <20 | <30 | <0.05 | <0.30 | Defer | Cardinal | H231280 |
| GS-09 | 3/21/2023 | | 2 | 4 | 32 | <20 | <30 | <0.05 | <0.30 | | Cardinal | H231280 |
| GS-10 | 3/21/2023 | | 0 | 2 | 80 | <20 | <30 | <0.05 | <0.30 | | Cardinal | H231280 |
| GS-10 N | 3/21/2023 | | 0 | 2 | 64 | <20 | <30 | <0.05 | <0.30 | | Cardinal | H231280 |
| GS-11 | 3/21/2023 | | 0 | 2 | 480 | <20 | <30 | <0.05 | <0.30 | | Cardinal | H231280 |
| GS-11 | 3/21/2023 | | 2 | 3 | 48 | <20 | <30 | <0.05 | <0.30 | | Cardinal | H231280 |
| GS-12 | 3/21/2023 | | 0 | 2 | 160 | <20 | <30 | <0.05 | <0.30 | | Cardinal | H231280 |
| GS-12 S | 3/21/2023 | | 0 | 2 | 32 | <20 | <30 | <0.05 | <0.30 | | Cardinal | H231280 |
| GS-13 | 3/21/2023 | | 0 | 2 | 320 | <20 | <30 | <0.05 | <0.30 | | Cardinal | H231280 |
| GS-13 N | 3/21/2023 | | 0 | 2 | 176 | <20 | <30 | <0.05 | <0.30 | | Cardinal | H231280 |
| GS-13 S | 3/21/2023 | | 0 | 2 | 176 | <20 | <30 | <0.05 | <0.30 | | Cardinal | H231280 |
| GS-14 | 3/21/2023 | | 0 | 2 | 144 | <20 | <30 | <0.05 | <0.30 | | Cardinal | H231280 |
| GS-14 | 3/21/2023 | | 2 | 4 | 128 | <20 | <30 | <0.05 | <0.30 | | Cardinal | H231280 |
| GS-14 S | 3/21/2023 | | 0 | 2 | 32 | <20 | <30 | <0.05 | <0.30 | | Cardinal | H231280 |
| Above Closure Criteria | | | | | | | | | | | | |
| NS = Not Sampled | | | | | | | | | | | | |

Appendix A

Communications



Ameredev II, LLC

Andrew Parker

From: Andrew Parker
Sent: Wednesday, March 15, 2023 4:06 PM
To: Enviro, OCD, EMNRD; Nobui, Jennifer, EMNRD; Bratcher, Michael, EMNRD
Cc: Laura Parker; Jesus Palomares
Subject: RE: [EXTERNAL] nAPP2301630287 Soil Sampling Notice 20230106-1100-water

Correct. March 20th. Thanks.

Andrew Parker
Environmental Scientist
970-570-9535



From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Wednesday, March 15, 2023 4:00 PM
To: Andrew Parker <aparker@ameredev.com>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Laura Parker <lparker@ameredev.com>; Jesus Palomares <jpalomares@ameredev.com>
Subject: RE: [EXTERNAL] nAPP2301630287 Soil Sampling Notice 20230106-1100-water

External (ocd.enviro@emnrd.nm.gov)

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

Andrew,

Thank you for the notification. I assume that you mean March 20th? 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.

JH

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Andrew Parker <aparker@amerede.com>
Sent: Wednesday, March 15, 2023 3:18 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Laura Parker <lparker@amerede.com>; Jesus Palomares <jpalomares@amerede.com>
Subject: [EXTERNAL] nAPP2301630287 Soil Sampling Notice 20230106-1100-water

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

NMOCD,

Please accept this email as the 2-business day notification for confirmation sampling per 19.15.29 NMAC. Characterization sampling will begin on Monday March 17th in preparation for a forthcoming remediation plan. Characterization samples may be used for confirmation in subsequent report. A copy of this communication will be included in the remediation plan.

Incident #: nAPP2301630287
AEP#: 20230106-1100-water
Location: DeSoto Springs #3 Containment

Regards,

Andrew Parker
Environmental Scientist
970-570-9535



From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, January 17, 2023 8:59 AM
To: Andrew Parker <aparker@amerede.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 176244

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#) nAPP2301630287, 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

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

Andrew Parker

From: Carson Guinn <Carson_Guinn@eogresources.com>
Sent: Thursday, January 19, 2023 3:02 PM
To: Andrew Parker
Subject: [EXTERNAL] RE: DeSoto Springs Release Notification 20230106-1100-water

External (carson_guinn@eogresources.com)

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

Thanks Andrew!

Carson Guinn

Landman I
Midland Division
432-257-9121 (work)
713-823-3497 (personal)



From: Andrew Parker <aparker@ameredev.com>
Sent: Thursday, January 19, 2023 11:33 AM
To: Carson Guinn <Carson_Guinn@eogresources.com>
Subject: DeSoto Springs Release Notification 20230106-1100-water

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Mr. Guinn,

Per 19.15.29 NMAC, please accept this email as notification or release to surface owner (EOG). As described in the attached C-141, Ameredev had a release of produced water of 12.3 bbls from a surface polypipe circulating water back into the DeSoto Springs containment. The release occurred on January 6, 2023.

- Coordinates of the release: 32.0756495, -103.2815543
- NMOCD Incident #: nAPP2301630287

Below is a screenshot of the release extent relative to the DeSoto Springs #3 containment. Remediation will be conducted in accordance with 19.15.29 NMAC.



Please contact me with any questions.

AEP#: 20230106-1100-water

Location: DeSoto Springs #3 Containment

Incident #: nAPP2301630287

Andrew Parker
Environmental Scientist
970-570-9535



Andrew Parker

From: OCDOnline@state.nm.us
Sent: Monday, January 16, 2023 9:25 AM
To: Andrew Parker
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 176239

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#) nAPP2301630287, 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 nAPP2301630287, 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

~~July 8, 2022~~ 10/12/2022

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

Hand Delivered to the DII Office of the State Engineer

Re: Resubmitted Well Record CP-1922 Pod-1

To whom it may concern:

Attached please find a corrected well log & record and a plugging record that was originally filed on 9/30/2022 ,corrected is in duplicate, for a one (1) soil borings, CP-1922 Pod-1.

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

Sincerely,

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

Lucas Middleton

Enclosures: as noted above

OSE DII OCT 12 2022 PM 2:04



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-1922 | | | |
| | WELL OWNER NAME(S) Ameredev Operating, LLC | | | | PHONE (OPTIONAL) 737-300-4700 | | | |
| | WELL OWNER MAILING ADDRESS 2901 Via Fortuna Suite 600 | | | | CITY Austin | STATE TX | ZIP 78746 | |
| | WELL LOCATION (FROM GPS) | DEGREES 32 | MINUTES 4 | SECONDS 38.51 | N | * ACCURACY REQUIRED: ONE TENTH OF A SECOND | | |
| | | LONGITUDE 103 | 17 | 9.02 | W | * DATUM REQUIRED: WGS 84 | | |
| DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW NW NE Sec.5 T26S R36S 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 9/21/2022 | DRILLING ENDED 9/21/2022 | DEPTH OF COMPLETED WELL (FT) temporary well material | | BORE HOLE DEPTH (FT) ±101 | DEPTH WATER FIRST ENCOUNTERED (FT) n/a | | |
| | COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED) | | | | STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a | DATE STATIC MEASURED 9/26/2022 | | |
| | DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY: | | | | | | | |
| | DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger | | | | | CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/> | | |
| | DEPTH (feet bgl) 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" | 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 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

USE ON OCT 12 2022 PM 2:04


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 | 14 | 14 | Sand, fine-grained, poorly graded, Tan Brown | Y ✓ N | |
| | 14 | 80 | 66 | Sand, fine-grained, poorly graded, poorly consolidated, Tan Brown | Y ✓ N | |
| | 80 | 101 | 21 | Sand, fine-grained, poorly graded, with Caliche , Tan Brown | 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 | |
| | | | | | Y N | |
| | | | | | Y N | |
| | | | | | Y N | |
| METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: | | | | | TOTAL ESTIMATED | |
| <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY: | | | | | WELL YIELD (gpm): 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 and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. DTW-16 | |
| | 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: | |
| |  Jackie D. Atkins | 10/4/2022 |
| | SIGNATURE OF DRILLER / PRINT SIGNEE NAME | DATE |



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-1922

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: 7/26/2022 Date well plugging concluded: 7/26/2022

5) GPS Well Location: Latitude: 32 deg, 4 min, 38.51 sec
Longitude: 103 deg, 17 min, 9.02 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 101 ft below ground level (bgl),
by the following manner: water level probe

7) Static water level measured at initiation of plugging: n/a ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 9/12/2022

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

DSE DJT OCT 12 2022 PM2:04

- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

| <u>Depth</u> (ft bgl) | <u>Plugging Material Used</u> (include any additives used) | <u>Volume of Material Placed</u> (gallons) | <u>Theoretical Volume of Borehole/ Casing</u> (gallons) | <u>Placement Method</u> (tremie pipe, other) | <u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.) |
|--------------------------|---|---|--|---|---|
| 0-10' | Hydrated Bentonite | Approx. 15 gallons | 15 gallons | Augers | |
| 10'-101' | Drill Cuttings | Approx. 145 gallons | 145 gallons | Boring | |

USE DTI OCT 12 2022 PM2:04

| MULTIPLY | BY | AND OBTAIN |
|----------------------|----|------------|
| cubic feet x 7.4805 | = | gallons |
| cubic yards x 201.97 | = | gallons |

III. SIGNATURE:

I, Jackie D. Atkins, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jack Atkins

Signature of Well Driller

10/4/2022

Date






6_CP-1922_WellLog-packet-forsign-DTW-16

Final Audit Report

2022-10-04

| | |
|-----------------|--|
| Created: | 2022-10-04 |
| By: | Lucas Middleton (lucas@atkinseng.com) |
| Status: | Signed |
| Transaction ID: | CBJCHBCAABAAzK7AaPUzEPE-3Y1tAUQrH1EtAYsYz3H5 |

"6_CP-1922_WellLog-packet-forsign-DTW-16" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2022-10-04 - 2:26:57 PM GMT - IP address: 64.17.71.25
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2022-10-04 - 2:27:56 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2022-10-04 - 2:58:39 PM GMT - IP address: 64.90.153.232
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2022-10-04 - 3:00:40 PM GMT - Time Source: server- IP address: 64.90.153.232
-  Agreement completed.
2022-10-04 - 3:00:40 PM GMT

OSE DTI OCT 12 2022 PM 2:04



Adobe Acrobat Sign



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

| | | | | |
|-----------------|-------------------|-------------------------------|----------|----------|
| Well Tag | POD Number | Q64 Q16 Q4 Sec Tws Rng | X | Y |
| NA | CP 00857 POD1 | 1 2 2 05 26S 36E | 662244 | 3550380 |

Driller License: 1184 **Driller Company:** WEST TEXAS WATER WELL SERVICE

Driller Name: COLLIS, ROBERT E. (LD)

Drill Start Date: 10/09/1996

Drill Finish Date: 10/10/1996

Plug Date:

Log File Date: 01/15/1997

PCW Rcv Date:

Source: Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield: 100 GPM

Casing Size:

Depth Well: 365 feet

Depth Water:

Water Bearing Stratifications:

Top Bottom Description

| | | |
|-----|-----|-------------------------------|
| 300 | 365 | Sandstone/Gravel/Conglomerate |
|-----|-----|-------------------------------|

Meter Number: 18966

Meter Make:

Meter Serial Number:

Meter Multiplier: 1.0000

Number of Dials: 1

Meter Type: Diversion

Unit of Measure: Gallons

Return Flow Percent:

Usage Multiplier:

Reading Frequency: Quarterly (No Reading Expected)

| | | |
|-----------------------------|-------------|---------------|
| **YTD Meter Amounts: | Year | Amount |
| | 2017 | 0 |

Meter Number: 19007

Meter Make: OCTAVE

Meter Serial Number: 19235055

Meter Multiplier: 1.0000

Number of Dials: 9

Meter Type: Diversion

Unit of Measure: Gallons

Return Flow Percent:

Usage Multiplier:

Reading Frequency: Monthly

Meter Readings (in Acre-Feet)

| Read Date | Year | Mtr Reading | Flag | Rdr | Comment | Mtr Amount Online |
|------------|------|-------------|------|-----|---------|-------------------|
| 02/01/2017 | 2017 | 2599614 | A | RPT | | 0 |
| 04/01/2017 | 2017 | 2627531 | A | RPT | | 3.598 |
| 05/01/2017 | 2017 | 2631319 | A | RPT | | 0.488 |
| 06/01/2017 | 2017 | 2652251 | A | RPT | | 2.698 |
| 07/01/2017 | 2017 | 2720508 | A | RPT | | 8.798 |
| 08/01/2017 | 2017 | 2782114 | A | RPT | | 7.941 |
| 09/01/2017 | 2017 | 2858989 | A | RPT | | 9.909 |
| 10/01/2017 | 2017 | 2906622 | A | RPT | | 6.140 |

Meter Readings (in Acre-Feet)

| Read Date | Year | Mtr Reading | Flag | Rdr | Comment | Mtr Amount Online |
|------------|------|-------------|------|-----|---------|-------------------|
| 11/01/2017 | 2017 | 2912696 | A | RPT | | 0.783 |
| 12/01/2017 | 2017 | 2998304 | A | RPT | | 11.034 |
| 02/01/2018 | 2018 | 3146658 | A | RPT | | 19.122 |
| 03/01/2018 | 2018 | 3212353 | A | RPT | | 8.468 |
| 04/01/2018 | 2018 | 3286487 | A | RPT | | 9.555 |
| 05/01/2018 | 2018 | 3381113 | A | RPT | | 12.197 |
| 06/01/2018 | 2018 | 3470486 | A | RPT | | 11.520 |
| 07/01/2018 | 2018 | 3547614 | A | RPT | | 9.941 |
| 09/01/2018 | 2018 | 3569776 | A | RPT | | 2.857 |
| 12/01/2018 | 2018 | 4076874 | A | RPT | | 65.362 |
| 01/01/2019 | 2018 | 4181523 | A | RPT | | 13.489 |
| 02/01/2019 | 2019 | 4296954 | A | RPT | | 14.878 |
| 03/01/2019 | 2019 | 4346796 | A | RPT | | 6.424 |
| 04/01/2019 | 2019 | 4365803 | A | RPT | | 2.450 |
| 05/01/2019 | 2019 | 4418132 | A | RPT | | 6.745 |
| 07/31/2019 | 2019 | 0 | A | RPT | | 0 |
| 09/30/2019 | 2019 | 325518 | A | RPT | | 41.957 |
| 10/31/2019 | 2019 | 388564 | A | RPT | | 8.126 |
| 12/31/2019 | 2019 | 622880 | A | RPT | | 30.202 |
| 01/19/2020 | 2020 | 672026 | A | RPT | | 6.335 |
| 01/19/2020 | 2020 | 0 | A | RPT | | 0 |
| 01/31/2020 | 2020 | 336667 | A | RPT | | 1.033 |
| 03/31/2020 | 2020 | 9198198 | A | RPT | | 27.195 |
| 08/31/2020 | 2020 | 25497766 | A | RPT | | 50.022 |
| 09/30/2020 | 2020 | 29234202 | A | RPT | | 11.467 |
| 11/30/2020 | 2020 | 36579854 | A | RPT | | 22.543 |
| 12/31/2020 | 2020 | 40821185 | A | RPT | | 13.016 |
| 01/31/2021 | 2021 | 45738623 | A | RPT | | 15.091 |

| **YTD Meter Amounts: | Year | Amount |
|-----------------------------|-------------|---------------|
| | 2017 | 51.389 |
| | 2018 | 152.511 |
| | 2019 | 110.782 |
| | 2020 | 131.611 |
| | 2021 | 15.091 |

| | | | |
|-----------------------------|----------|-----------------------------|--------------|
| Meter Number: | 19056 | Meter Make: | MASTER METER |
| Meter Serial Number: | 19814845 | Meter Multiplier: | 10.0000 |
| Number of Dials: | 6 | Meter Type: | Diversion |
| Unit of Measure: | Gallons | Return Flow Percent: | |
| Usage Multiplier: | | Reading Frequency: | Quarterly |

Meter Readings (in Acre-Feet)

| Read Date | Year | Mtr Reading | Flag | Rdr | Comment | Mtr Amount Online |
|------------|------|-------------|------|-----|---------|-------------------|
| 11/30/2020 | 2020 | 38460 | A | RPT | | 0 |
| 12/31/2020 | 2020 | 42150 | A | RPT | | 0.113 |
| 01/31/2021 | 2021 | 49850 | A | RPT | | 0.236 |

| **YTD Meter Amounts: | Year | Amount |
|----------------------|------|--------|
| | 2020 | 0.113 |
| | 2021 | 0.236 |

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

File

CP-857



NEW MEXICO OFFICE OF THE STATE ENGINEER

Update Well Location



Date: 03/27/2020

POD No.: CP-00857-POD1

OSE Staff: Chris Angel

Instructions:

Use this form to correct or update POD location(s) based on In-Office Geospatial Applications. Update WATERS by creating a UWL transaction in the pertinent file number(s). Create and image a map, if necessary.

Current Location:

| | | | | | |
|---|-----------------|--------------------------|---|-----------------------------------|--|
| NM State Plane (NAD83) - In feet | NM West Zone | <input type="checkbox"/> | X (in feet): Y (in feet): | | |
| | NM Central Zone | <input type="checkbox"/> | | | |
| | NM East Zone | <input type="checkbox"/> | | | |
| UTM (NAD83) - In meters | UTM Zone 13N | <input type="checkbox"/> | Easting (in meters): Northing (in meters): | | |
| | UTM Zone 12N | <input type="checkbox"/> | | | |
| Lat/Long (WGS84) - To 1/10 th of second | Lat: | deg | min | sec | |
| <input type="checkbox"/> Check if seconds are decimal format | Long: | deg | min | sec | |
| Other Location Information (complete the below, if applicable): | | | | | |
| PLSS Quarters or Halves: SW1/4NE1/4NE1/4 | | Section: 05 | | Township: 26 South Range: 36 East | |
| County: Lea | | Subasin: Capitan | | | |

Updated Location:

| | | | | | | |
|---|-----------------|--------------------------|---|--------------------|------|----------------|
| NM State Plane (NAD83) - In feet | NM West Zone | <input type="checkbox"/> | X (in feet): Y (in feet): | | | |
| | NM Central Zone | <input type="checkbox"/> | | | | |
| | NM East Zone | <input type="checkbox"/> | | | | |
| UTM (NAD83) - In meters | UTM Zone 13N | <input type="checkbox"/> | Easting (in meters): Northing (in meters): | | | |
| | UTM Zone 12N | <input type="checkbox"/> | | | | |
| Lat/Long (WGS84) - To 1/10 th of second | Lat: 32 | deg | 04 | min | 40.0 | sec |
| <input type="checkbox"/> Check if seconds are decimal format | Long: 103 | deg | 16 | min | 51.5 | sec |
| Other Location Information (complete the below, if applicable): | | | | | | |
| PLSS Quarters or Halves: SE1/4NW1/4NE1/4NE1/4 | | Section: 05 | | Township: 26 South | | Range: 36 East |
| County: Lea | | Subasin: Capitan | | | | |

Comments:

A GPS was used to locate the well on the attached map.

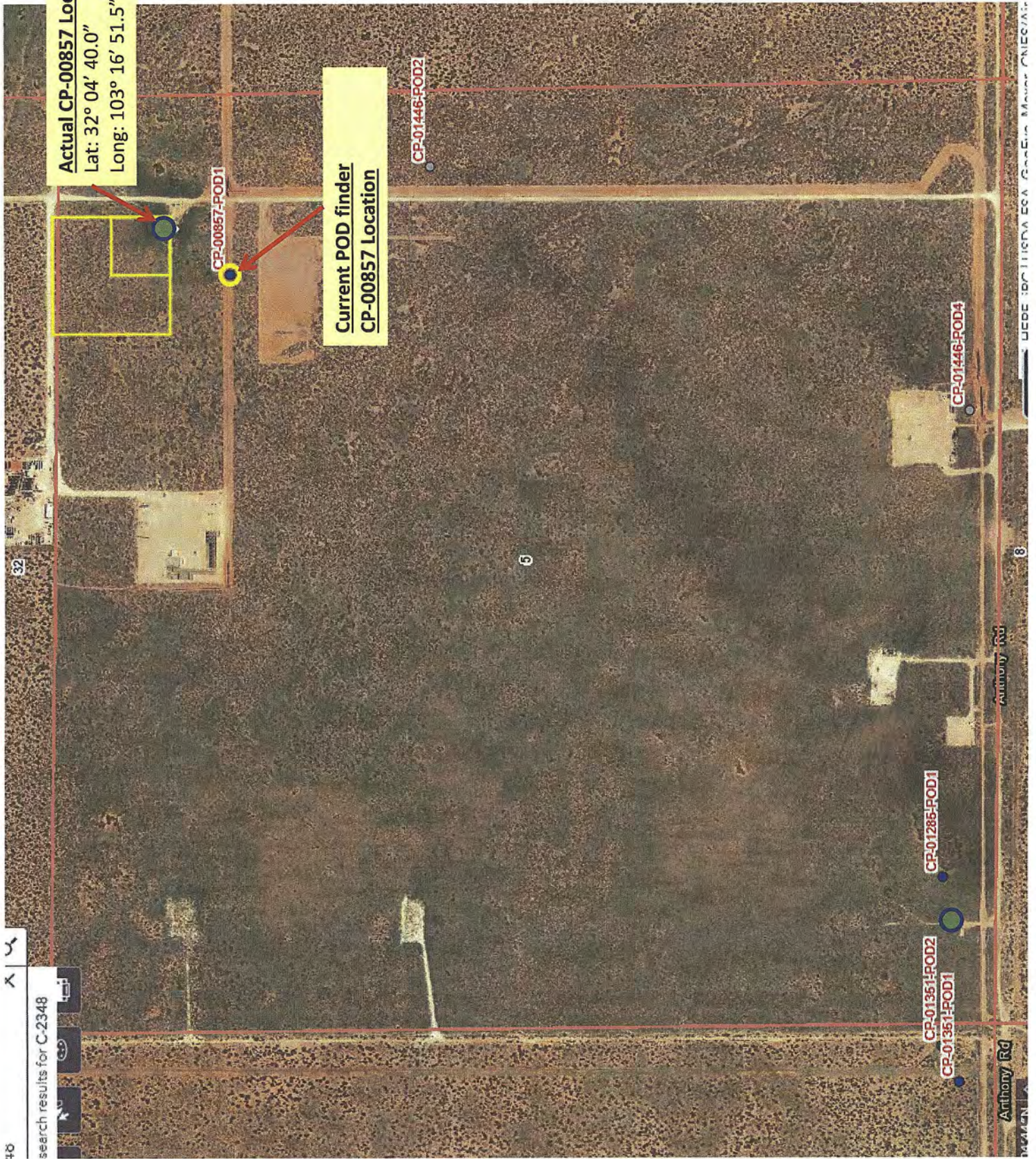
Update Well Location Form, Rev. 12/11/18

File No.:

CP-857

Trn. No.:

670905



Revised June 1972

STATE ENGINEER OFFICE
WELL RECORD

676330

Section 1. GENERAL INFORMATION

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

Well was drilled under Permit No. _____ and is located in the:

a. NW 1/4 NW 1/4 SWINE 1/4 of Section 5 Township 26 S Range 36 E 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 West Texas Water Well Service License No. WD-1184
 Address 3432 W. University, Odessa, TX 79764

Drilling Began 10-9-96 Completed 10-10-96 Type tools air rotary Size of hole 9 7/8 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 365 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well _____ 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 | | | |
| West Texas Water | Well Service pulled casing from existing well and | | | |
| deepened it 65' | | | | |
| 300 | 365 | 65 | Broken sandstone with streaks | |
| | | | of brown sand 100 gpm+ | |

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 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

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 | 15 | 9 7/8 | | 13 | Poured Slurry |
| | | | | | |
| | | | | | |

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 | | | |

FOR USE OF STATE ENGINEER ONLY

#130947

Date Received 01/15/97

Quad _____ FWL _____ FSL _____

File No. CP-857 Use Stock Location No. 26.36.5.22322

[illegible]

Section 7. REMARKS AND ADDITIONAL INFORMATION

STATE DEPARTMENT OFFICE
ROSWELL, NEW MEXICO
97 JAN 15 AM 11 22

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Robert E. Collins
Driller

INSTRUCTIONS: This form should be completed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

Appendix C

Certificates of Analysis



Ameredeve II, LLC



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

March 27, 2023

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: DESOTO SPRINGS

Enclosed are the results of analyses for samples received by the laboratory on 03/21/23 15:08.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|---------------------|---------------------|------------------|
| Received: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 01 SE 0-0.5FT (H231280-01)

| 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 | 03/24/2023 | ND | 2.02 | 101 | 2.00 | 0.826 | |
| Toluene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.05 | 102 | 2.00 | 0.621 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.15 | 107 | 2.00 | 0.204 | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2023 | ND | 6.62 | 110 | 6.00 | 0.589 | |
| Total BTEX | <0.300 | 0.300 | 03/24/2023 | ND | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 03/24/2023 | ND | 400 | 100 | 400 | 7.69 | |

| 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 | 03/23/2023 | ND | 166 | 83.2 | 200 | 3.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 172 | 86.1 | 200 | 7.40 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 01 0-2FT (H231280-02)

| 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 | 03/24/2023 | ND | 2.02 | 101 | 2.00 | 0.826 | | |
| Toluene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.05 | 102 | 2.00 | 0.621 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.15 | 107 | 2.00 | 0.204 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2023 | ND | 6.62 | 110 | 6.00 | 0.589 | | |
| Total BTEX | <0.300 | 0.300 | 03/24/2023 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 560 | 16.0 | 03/24/2023 | ND | 400 | 100 | 400 | 7.69 | | |

| 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 | 03/23/2023 | ND | 166 | 83.2 | 200 | 3.49 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 172 | 86.1 | 200 | 7.40 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | | |

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 01 2-4FT (H231280-03)

| 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 | 03/24/2023 | ND | 2.02 | 101 | 2.00 | 0.826 | |
| Toluene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.05 | 102 | 2.00 | 0.621 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.15 | 107 | 2.00 | 0.204 | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2023 | ND | 6.62 | 110 | 6.00 | 0.589 | |
| Total BTEX | <0.300 | 0.300 | 03/24/2023 | ND | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 160 | 16.0 | 03/24/2023 | ND | 400 | 100 | 400 | 7.69 | | |

| 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 | 03/23/2023 | ND | 166 | 83.2 | 200 | 3.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 172 | 86.1 | 200 | 7.40 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 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: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 02 0-0.5FT (H231280-04)

| 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 | 03/24/2023 | ND | 2.02 | 101 | 2.00 | 0.826 | | |
| Toluene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.05 | 102 | 2.00 | 0.621 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.15 | 107 | 2.00 | 0.204 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2023 | ND | 6.62 | 110 | 6.00 | 0.589 | | |
| Total BTEX | <0.300 | 0.300 | 03/24/2023 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2880 | 16.0 | 03/24/2023 | ND | 416 | 104 | 400 | 7.41 | | |

| 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 | 03/23/2023 | ND | 166 | 83.2 | 200 | 3.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 172 | 86.1 | 200 | 7.40 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Analytical Results For:

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

| | | | |
|-------------------|---------------------|---------------------|------------------|
| Received: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 03 0-1FT (H231280-05)

| 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 | 03/24/2023 | ND | 2.02 | 101 | 2.00 | 0.826 | |
| Toluene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.05 | 102 | 2.00 | 0.621 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.15 | 107 | 2.00 | 0.204 | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2023 | ND | 6.62 | 110 | 6.00 | 0.589 | |
| Total BTEx | <0.300 | 0.300 | 03/24/2023 | ND | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 3680 | 16.0 | 03/24/2023 | ND | 416 | 104 | 400 | 7.41 | | |

| 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 | 03/23/2023 | ND | 166 | 83.2 | 200 | 3.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 172 | 86.1 | 200 | 7.40 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

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Analytical Results For:

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

| | | | |
|-------------------|---------------------|---------------------|------------------|
| Received: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 04 0.75-1FT (H231280-06)

| 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 | 03/24/2023 | ND | 2.02 | 101 | 2.00 | 0.826 | | |
| Toluene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.05 | 102 | 2.00 | 0.621 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.15 | 107 | 2.00 | 0.204 | | |
| Total Xylenes* | 0.742 | 0.150 | 03/24/2023 | ND | 6.62 | 110 | 6.00 | 0.589 | | |
| Total BTEX | 0.742 | 0.300 | 03/24/2023 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2120 | 16.0 | 03/24/2023 | ND | 416 | 104 | 400 | 7.41 | | |

| 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 | 03/23/2023 | ND | 166 | 83.2 | 200 | 3.49 | |
| DRO >C10-C28* | 24.8 | 10.0 | 03/23/2023 | ND | 172 | 86.1 | 200 | 7.40 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Analytical Results For:

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

| | | | |
|-------------------|---------------------|---------------------|------------------|
| Received: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 05 W 0-0.5FT (H231280-07)

| 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 | 03/24/2023 | ND | 2.02 | 101 | 2.00 | 0.826 | | |
| Toluene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.05 | 102 | 2.00 | 0.621 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.15 | 107 | 2.00 | 0.204 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2023 | ND | 6.62 | 110 | 6.00 | 0.589 | | |
| Total BTEX | <0.300 | 0.300 | 03/24/2023 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 03/24/2023 | ND | 416 | 104 | 400 | 7.41 | | |

| 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 | 03/23/2023 | ND | 166 | 83.2 | 200 | 3.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 172 | 86.1 | 200 | 7.40 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 49.1-148

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Analytical Results For:

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

| | | | |
|-------------------|---------------------|---------------------|------------------|
| Received: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 05 0-2FT (H231280-08)

| 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 | 03/24/2023 | ND | 2.02 | 101 | 2.00 | 0.826 | | |
| Toluene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.05 | 102 | 2.00 | 0.621 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.15 | 107 | 2.00 | 0.204 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2023 | ND | 6.62 | 110 | 6.00 | 0.589 | | |
| Total BTEX | <0.300 | 0.300 | 03/24/2023 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1720 | 16.0 | 03/24/2023 | ND | 416 | 104 | 400 | 7.41 | | |

| 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 | 03/23/2023 | ND | 166 | 83.2 | 200 | 3.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 172 | 86.1 | 200 | 7.40 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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Analytical Results For:

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

| | | | |
|-------------------|---------------------|---------------------|------------------|
| Received: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 06 0-2FT (H231280-10)

| 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 | 03/24/2023 | ND | 2.02 | 101 | 2.00 | 0.826 | |
| Toluene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.05 | 102 | 2.00 | 0.621 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.15 | 107 | 2.00 | 0.204 | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2023 | ND | 6.62 | 110 | 6.00 | 0.589 | |
| Total BTEx | <0.300 | 0.300 | 03/24/2023 | ND | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 03/24/2023 | ND | 416 | 104 | 400 | 7.41 | |

| 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 | 03/23/2023 | ND | 166 | 83.2 | 200 | 3.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 172 | 86.1 | 200 | 7.40 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

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Analytical Results For:

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

| | | | |
|-------------------|---------------------|---------------------|------------------|
| Received: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 06 N 0-0.5FT (H231280-11)

| 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 | 03/24/2023 | ND | 2.02 | 101 | 2.00 | 0.826 | | |
| Toluene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.05 | 102 | 2.00 | 0.621 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.15 | 107 | 2.00 | 0.204 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2023 | ND | 6.62 | 110 | 6.00 | 0.589 | | |
| Total BTEX | <0.300 | 0.300 | 03/24/2023 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 224 | 16.0 | 03/24/2023 | ND | 416 | 104 | 400 | 7.41 | | |

| 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 | 03/23/2023 | ND | 177 | 88.3 | 200 | 3.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 174 | 87.0 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 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: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 07 0-0.5FT (H231280-12)

| 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 | 03/24/2023 | ND | 2.02 | 101 | 2.00 | 0.826 | | |
| Toluene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.05 | 102 | 2.00 | 0.621 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.15 | 107 | 2.00 | 0.204 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2023 | ND | 6.62 | 110 | 6.00 | 0.589 | | |
| Total BTEX | <0.300 | 0.300 | 03/24/2023 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 464 | 16.0 | 03/24/2023 | ND | 416 | 104 | 400 | 7.41 | | |

| 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 | 03/23/2023 | ND | 177 | 88.3 | 200 | 3.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 174 | 87.0 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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: 03/21/2023
Reported: 03/27/2023
Project Name: DESOTO SPRINGS
Project Number: 20230106-1100-WATER
Project Location: NONE GIVEN

Sampling Date: 03/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: GS - 07 N 0-2FT (H231280-13)

| BTX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.02 | 101 | 2.00 | 0.826 | |
| Toluene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.05 | 102 | 2.00 | 0.621 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.15 | 107 | 2.00 | 0.204 | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2023 | ND | 6.62 | 110 | 6.00 | 0.589 | |
| Total BTX | <0.300 | 0.300 | 03/24/2023 | ND | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 112 | 16.0 | 03/24/2023 | ND | 416 | 104 | 400 | 7.41 | | |

| 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 | 03/23/2023 | ND | 177 | 88.3 | 200 | 3.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 174 | 87.0 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 108 % 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: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 07 SE 0-2FT (H231280-14)

| 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 | 03/24/2023 | ND | 2.02 | 101 | 2.00 | 0.826 | | |
| Toluene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.05 | 102 | 2.00 | 0.621 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.15 | 107 | 2.00 | 0.204 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2023 | ND | 6.62 | 110 | 6.00 | 0.589 | | |
| Total BTEX | <0.300 | 0.300 | 03/24/2023 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 96.0 | 16.0 | 03/24/2023 | ND | 416 | 104 | 400 | 7.41 | | |

| 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 | 03/23/2023 | ND | 177 | 88.3 | 200 | 3.59 | |
| DRO >C10-C28* | 395 | 10.0 | 03/23/2023 | ND | 174 | 87.0 | 200 | 4.63 | |
| EXT DRO >C28-C36 | 185 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

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

Received: 03/21/2023
 Reported: 03/27/2023
 Project Name: DESOTO SPRINGS
 Project Number: 20230106-1100-WATER
 Project Location: NONE GIVEN

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: GS - 08 0-2FT (H231280-15)

| 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 | 03/24/2023 | ND | 2.02 | 101 | 2.00 | 0.826 | |
| Toluene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.05 | 102 | 2.00 | 0.621 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.15 | 107 | 2.00 | 0.204 | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2023 | ND | 6.62 | 110 | 6.00 | 0.589 | |
| Total BTEX | <0.300 | 0.300 | 03/24/2023 | ND | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 176 | 16.0 | 03/24/2023 | ND | 416 | 104 | 400 | 7.41 | | |

| 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 | 03/23/2023 | ND | 177 | 88.3 | 200 | 3.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 174 | 87.0 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

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Analytical Results For:

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

| | | | |
|-------------------|---------------------|---------------------|------------------|
| Received: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 08 2-4FT (H231280-16)

| BTX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.02 | 101 | 2.00 | 0.826 | |
| Toluene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.05 | 102 | 2.00 | 0.621 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.15 | 107 | 2.00 | 0.204 | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2023 | ND | 6.62 | 110 | 6.00 | 0.589 | |
| Total BTX | <0.300 | 0.300 | 03/24/2023 | ND | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 03/24/2023 | ND | 416 | 104 | 400 | 7.41 | |

| 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 | 03/23/2023 | ND | 177 | 88.3 | 200 | 3.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 174 | 87.0 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Analytical Results For:

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

| | | | |
|-------------------|---------------------|---------------------|------------------|
| Received: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 09 0-2FT (H231280-17)

| 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 | 03/24/2023 | ND | 2.02 | 101 | 2.00 | 0.826 | |
| Toluene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.05 | 102 | 2.00 | 0.621 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.15 | 107 | 2.00 | 0.204 | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2023 | ND | 6.62 | 110 | 6.00 | 0.589 | |
| Total BTEX | <0.300 | 0.300 | 03/24/2023 | ND | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 752 | 16.0 | 03/24/2023 | ND | 416 | 104 | 400 | 7.41 | | |

| 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 | 03/23/2023 | ND | 177 | 88.3 | 200 | 3.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 174 | 87.0 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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Analytical Results For:

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

| | | | |
|-------------------|---------------------|---------------------|------------------|
| Received: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 09 2-4FT (H231280-18)

| 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 | 03/24/2023 | ND | 2.02 | 101 | 2.00 | 0.826 | | |
| Toluene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.05 | 102 | 2.00 | 0.621 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.15 | 107 | 2.00 | 0.204 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2023 | ND | 6.62 | 110 | 6.00 | 0.589 | | |
| Total BTEX | <0.300 | 0.300 | 03/24/2023 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 03/24/2023 | ND | 416 | 104 | 400 | 7.41 | | |

| 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 | 03/23/2023 | ND | 177 | 88.3 | 200 | 3.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 174 | 87.0 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Analytical Results For:

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

| | | | |
|-------------------|---------------------|---------------------|------------------|
| Received: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 10 0-2FT (H231280-19)

| 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 | 03/24/2023 | ND | 2.02 | 101 | 2.00 | 0.826 | | |
| Toluene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.05 | 102 | 2.00 | 0.621 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.15 | 107 | 2.00 | 0.204 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2023 | ND | 6.62 | 110 | 6.00 | 0.589 | | |
| Total BTEx | <0.300 | 0.300 | 03/24/2023 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 03/24/2023 | ND | 416 | 104 | 400 | 7.41 | | |

| 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 | 03/23/2023 | ND | 177 | 88.3 | 200 | 3.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 174 | 87.0 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 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: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 10 N 0-2FT (H231280-20)

| 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 | 03/23/2023 | ND | 2.06 | 103 | 2.00 | 1.74 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.12 | 106 | 2.00 | 3.51 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.07 | 103 | 2.00 | 1.30 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2023 | ND | 6.51 | 108 | 6.00 | 2.66 | | |
| Total BTEX | <0.300 | 0.300 | 03/23/2023 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 64.0 | 16.0 | 03/24/2023 | ND | 416 | 104 | 400 | 7.41 | | |

| 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 | 03/23/2023 | ND | 177 | 88.3 | 200 | 3.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 174 | 87.0 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 121 % 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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Analytical Results For:

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

| | | | |
|-------------------|---------------------|---------------------|------------------|
| Received: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 11 0-2FT (H231280-21)

| 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 | 03/23/2023 | ND | 2.06 | 103 | 2.00 | 1.74 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.12 | 106 | 2.00 | 3.51 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.07 | 103 | 2.00 | 1.30 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2023 | ND | 6.51 | 108 | 6.00 | 2.66 | | |
| Total BTEX | <0.300 | 0.300 | 03/23/2023 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 480 | 16.0 | 03/24/2023 | ND | 416 | 104 | 400 | 7.41 | | |

| 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 | 03/23/2023 | ND | 177 | 88.3 | 200 | 3.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 174 | 87.0 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Analytical Results For:

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

Received: 03/21/2023
 Reported: 03/27/2023
 Project Name: DESOTO SPRINGS
 Project Number: 20230106-1100-WATER
 Project Location: NONE GIVEN

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: GS - 11 2-3FT (H231280-22)

| 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 | 03/23/2023 | ND | 2.06 | 103 | 2.00 | 1.74 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.12 | 106 | 2.00 | 3.51 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.07 | 103 | 2.00 | 1.30 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2023 | ND | 6.51 | 108 | 6.00 | 2.66 | | |
| Total BTEx | <0.300 | 0.300 | 03/23/2023 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 03/24/2023 | ND | 416 | 104 | 400 | 7.41 | | |

| 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 | 03/23/2023 | ND | 177 | 88.3 | 200 | 3.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 174 | 87.0 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Analytical Results For:

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

| | | | |
|-------------------|---------------------|---------------------|------------------|
| Received: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 12 S 0-2FT (H231280-23)

| 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 | 03/23/2023 | ND | 2.06 | 103 | 2.00 | 1.74 | |
| Toluene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.12 | 106 | 2.00 | 3.51 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.07 | 103 | 2.00 | 1.30 | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2023 | ND | 6.51 | 108 | 6.00 | 2.66 | |
| Total BTEX | <0.300 | 0.300 | 03/23/2023 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 03/24/2023 | ND | 416 | 104 | 400 | 7.41 | | |

| 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 | 03/23/2023 | ND | 177 | 88.3 | 200 | 3.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 174 | 87.0 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

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

Received: 03/21/2023
 Reported: 03/27/2023
 Project Name: DESOTO SPRINGS
 Project Number: 20230106-1100-WATER
 Project Location: NONE GIVEN

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: GS - 12 0-2FT (H231280-24)

| BTEx 8021B | | mg/kg | | Analyzed By: JH/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.06 | 103 | 2.00 | 1.74 | |
| Toluene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.12 | 106 | 2.00 | 3.51 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.07 | 103 | 2.00 | 1.30 | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2023 | ND | 6.51 | 108 | 6.00 | 2.66 | |
| Total BTEX | <0.300 | 0.300 | 03/23/2023 | ND | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 160 | 16.0 | 03/24/2023 | ND | 416 | 104 | 400 | 7.41 | | |

| 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 | 03/23/2023 | ND | 177 | 88.3 | 200 | 3.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 174 | 87.0 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 56.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.4 % 49.1-148

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Analytical Results For:

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

| | | | |
|-------------------|---------------------|---------------------|------------------|
| Received: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 13 N 0-2FT (H231280-25)

| BTEX 8021B | | mg/kg | | Analyzed By: JH/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.06 | 103 | 2.00 | 1.74 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.12 | 106 | 2.00 | 3.51 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.07 | 103 | 2.00 | 1.30 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2023 | ND | 6.51 | 108 | 6.00 | 2.66 | | |
| Total BTEX | <0.300 | 0.300 | 03/23/2023 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 176 | 16.0 | 03/24/2023 | 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 | 03/23/2023 | ND | 177 | 88.3 | 200 | 3.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 174 | 87.0 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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Analytical Results For:

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

| | | | |
|-------------------|---------------------|---------------------|------------------|
| Received: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 13 0-2FT (H231280-26)

| BTEx 8021B | | mg/kg | | Analyzed By: JH/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.06 | 103 | 2.00 | 1.74 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.12 | 106 | 2.00 | 3.51 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.07 | 103 | 2.00 | 1.30 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2023 | ND | 6.51 | 108 | 6.00 | 2.66 | | |
| Total BTEX | <0.300 | 0.300 | 03/23/2023 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 320 | 16.0 | 03/24/2023 | 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 | 03/23/2023 | ND | 177 | 88.3 | 200 | 3.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 174 | 87.0 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 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: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 13 S 0-2FT (H231280-27)

| BTEx 8021B | | mg/kg | | Analyzed By: JH/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.06 | 103 | 2.00 | 1.74 | |
| Toluene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.12 | 106 | 2.00 | 3.51 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.07 | 103 | 2.00 | 1.30 | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2023 | ND | 6.51 | 108 | 6.00 | 2.66 | |
| Total BTEX | <0.300 | 0.300 | 03/23/2023 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 176 | 16.0 | 03/24/2023 | 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 | 03/23/2023 | ND | 177 | 88.3 | 200 | 3.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 174 | 87.0 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 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: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 14 0-2FT (H231280-28)

| BTEx 8021B | | mg/kg | | Analyzed By: JH/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.06 | 103 | 2.00 | 1.74 | |
| Toluene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.12 | 106 | 2.00 | 3.51 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.07 | 103 | 2.00 | 1.30 | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2023 | ND | 6.51 | 108 | 6.00 | 2.66 | |
| Total BTEX | <0.300 | 0.300 | 03/23/2023 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 144 | 16.0 | 03/24/2023 | 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 | 03/23/2023 | ND | 177 | 88.3 | 200 | 3.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 174 | 87.0 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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: 03/21/2023
 Reported: 03/27/2023
 Project Name: DESOTO SPRINGS
 Project Number: 20230106-1100-WATER
 Project Location: NONE GIVEN

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: GS - 14 2-4FT (H231280-29)

| BTEx 8021B | | mg/kg | | Analyzed By: JH/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.06 | 103 | 2.00 | 1.74 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.12 | 106 | 2.00 | 3.51 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.07 | 103 | 2.00 | 1.30 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2023 | ND | 6.51 | 108 | 6.00 | 2.66 | | |
| Total BTEX | <0.300 | 0.300 | 03/23/2023 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 128 | 16.0 | 03/24/2023 | 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 | 03/23/2023 | ND | 177 | 88.3 | 200 | 3.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 174 | 87.0 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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: | 03/21/2023 | Sampling Date: | 03/21/2023 |
| Reported: | 03/27/2023 | Sampling Type: | Soil |
| Project Name: | DESOTO SPRINGS | Sampling Condition: | Cool & Intact |
| Project Number: | 20230106-1100-WATER | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: GS - 14S 0-2FT (H231280-30)

| 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 | 03/23/2023 | ND | 2.06 | 103 | 2.00 | 1.74 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.12 | 106 | 2.00 | 3.51 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2023 | ND | 2.07 | 103 | 2.00 | 1.30 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2023 | ND | 6.51 | 108 | 6.00 | 2.66 | | |
| Total BTEX | <0.300 | 0.300 | 03/23/2023 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 03/24/2023 | 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 | 03/23/2023 | ND | 177 | 88.3 | 200 | 3.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2023 | ND | 174 | 87.0 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

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

Received: 03/21/2023
 Reported: 03/27/2023
 Project Name: DESOTO SPRINGS
 Project Number: 20230106-1100-WATER
 Project Location: NONE GIVEN

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: GS - 03W 0-0.5FT (H231280-31)

| 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 | 03/24/2023 | ND | 2.04 | 102 | 2.00 | 1.61 | | |
| Toluene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.04 | 102 | 2.00 | 1.16 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2023 | ND | 2.12 | 106 | 2.00 | 1.46 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2023 | ND | 6.56 | 109 | 6.00 | 1.71 | | |
| Total BTEX | <0.300 | 0.300 | 03/24/2023 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 112 | 16.0 | 03/24/2023 | 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 | 03/24/2023 | ND | 210 | 105 | 200 | 14.0 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/24/2023 | ND | 202 | 101 | 200 | 4.72 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/24/2023 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

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Notes and Definitions

| | |
|-------|---|
| QR-03 | The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values. |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in black ink, appearing to read "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: <u>Amexel</u> | | P.O. #: <u>20230106-1100-Water</u> | |
| Project Manager: <u>Andrew Parker</u> | | Company: <u>Amexel</u> | |
| Address: <u>On-File</u> | | Attn: <u>A. Parker/Amexel</u> | |
| City: | State: | Zip: | |
| Phone #: | Fax #: | City: | Address: |
| Project #: | Project Owner: | State: | Zip: |
| Project Name: <u>20230106-1100-Water</u> | | Phone #: | |
| Project Location: <u>Desoto Springs</u> | | Fax #: | |
| Sampler Name: <u>Christopher Turner</u> | | | |

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | DATE | TIME | ANALYSIS REQUEST | | | | | | |
|----------------|-----------------|-------------------|--------------|--------------|------------|----------|-----|--------|---------|------|--------------|------------------|------------|--------------------------|--|--|--|--|
| | | | | GROUNDEWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | | | ACID/BASE: | ICE / COOL | OTHER : | | | | |
| <u>H231280</u> | <u>(M)-01SE</u> | <u>0-1.5F+</u> | <u>6</u> | | | <u>X</u> | | | | | <u>03.21</u> | <u>9:15</u> | <u>X</u> | <u>Chloride</u> | | | | |
| | <u>(M)-01</u> | <u>0-2.5F+</u> | <u>1</u> | | | | | | | | | <u>9:30</u> | <u>X</u> | <u>TPH (GRO+DRO+ARO)</u> | | | | |
| | <u>(M)-01</u> | <u>2-4F+</u> | <u>1</u> | | | | | | | | | <u>9:45</u> | <u>X</u> | <u>BTEX (Benzene)</u> | | | | |
| | <u>(M)-02</u> | <u>0-0.5F+</u> | <u>1</u> | | | | | | | | | <u>10:00</u> | | | | | | |
| | <u>(M)-03</u> | <u>0-1F+</u> | <u>1</u> | | | | | | | | | <u>10:15</u> | | | | | | |
| | <u>(M)-04</u> | <u>0.75-1F+</u> | <u>1</u> | | | | | | | | | <u>10:30</u> | | | | | | |
| | <u>(M)-05W</u> | <u>0-0.5F+</u> | <u>1</u> | | | | | | | | | <u>10:45</u> | | | | | | |
| | <u>(M)-05</u> | <u>0-2F+</u> | <u>1</u> | | | | | | | | | <u>11:00</u> | | | | | | |
| | <u>(M)-05</u> | <u>2-3F+</u> | <u>1</u> | | | | | | | | | <u>11:15</u> | | | | | | |
| | <u>(M)-06</u> | <u>0-2F+</u> | <u>1</u> | | | | | | | | | <u>11:30</u> | | | | | | |

| | | | |
|-------------------------------------|----------------------|---------------------------------|----------------------|
| Relinquished By: <u>[Signature]</u> | Date: <u>3/21/23</u> | Received By: <u>[Signature]</u> | Date: <u>3/21/23</u> |
| Time: <u>1508</u> | | Time: <u>1508</u> | |

| | | | |
|------------------------------|---------------------------------|--------------------------------------|--|
| Delivered By: (Circle One) | Observed Temp. °C: <u>6.3</u> | Sample Condition: <u>Cool Intact</u> | CHECKED BY: <u>[Signature]</u> |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C: <u>5.72</u> | Turnaround Time: <u>Standard</u> | Bacteria (only) Sample Condition: <u>Cool Intact</u> |
| | | Thermometer ID #113 | Observed Temp. °C: <u>6.3</u> |
| | | Correction Factor -0.6°C | Corrected Temp. °C: <u>5.72</u> |

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

NO
sample
3/21/23



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | |
|---|-------------------------------|---|--|--------------------------|---|
| Company Name: <u>Amereden</u> | | P.O. #: <u>20230106-1100-water</u> | | ANALYSIS REQUEST | |
| Project Manager: <u>Andrew Parker</u> | | Company: <u>Amereden</u> | | | |
| Address: <u>Dr. file</u> | | Attn: <u>APK@amereden.com</u> | | | |
| City: _____ State: _____ Zip: _____ | | Address: _____ | | | |
| Phone #: _____ Fax #: _____ | | City: _____ State: _____ Zip: _____ | | | |
| Project #: _____ | | Project Owner: _____ | | | |
| Project Name: <u>20230106-1100-Water</u> | | Phone #: _____ | | | |
| Project Location: <u>Desoto Springs</u> | | Fax #: _____ | | | |
| Sample Name: <u>Christopher Keene</u> | | | | | |
| FOR LAB USE ONLY | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | PRESERV |
| | | | | GROUNDWATER | |
| | | | | WASTEWATER | |
| | | | | SOIL | |
| | | | | OIL | |
| | | | | SLUDGE | |
| | | | | OTHER : | |
| | | | | ACID/BASE: | |
| | | | | ICE / COOL | |
| | | | | OTHER : | |
| | | | | DATE | TIME |
| <u>H231280</u> | <u>GAS-06N</u> | <u>1</u> | <u>1</u> | <u>0321</u> | <u>11:35</u> |
| <u>11</u> | <u>GAS-06N</u> | <u>1</u> | <u>1</u> | <u>11:40</u> | <u>11:40</u> |
| <u>12</u> | <u>GAS-07</u> | <u>1</u> | <u>1</u> | <u>11:45</u> | <u>11:45</u> |
| <u>13</u> | <u>GAS-07N</u> | <u>1</u> | <u>1</u> | <u>11:50</u> | <u>11:50</u> |
| <u>14</u> | <u>GAS-07SE</u> | <u>1</u> | <u>1</u> | <u>11:55</u> | <u>11:55</u> |
| <u>15</u> | <u>GAS-08</u> | <u>1</u> | <u>1</u> | <u>12:00</u> | <u>12:00</u> |
| <u>16</u> | <u>GAS-08</u> | <u>1</u> | <u>1</u> | <u>12:05</u> | <u>12:05</u> |
| <u>17</u> | <u>GAS-09</u> | <u>1</u> | <u>1</u> | <u>12:10</u> | <u>12:10</u> |
| <u>18</u> | <u>GAS-09</u> | <u>1</u> | <u>1</u> | <u>12:15</u> | <u>12:15</u> |
| <u>19</u> | <u>GAS-10</u> | <u>1</u> | <u>1</u> | <u>12:20</u> | <u>12:20</u> |
| <u>20</u> | <u>GAS-10N</u> | <u>1</u> | <u>1</u> | <u>12:20</u> | <u>12:20</u> |
| <p>PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p> | | | | | |
| Relinquished By: _____ | Date: <u>3/21/23</u> | Received By: <u>Christopher Keene</u> | Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Add'l Phone #: _____ | |
| Relinquished By: _____ | Date: <u>1508</u> | Received By: _____ | All Results are emailed. Please provide Email address: _____ | | |
| Time: _____ | | | | | |
| Delivered By: (Circle One) | Observed Temp. °C <u>10.3</u> | Sample Condition | CHECKED BY: <u>APK</u> | Turnaround Time: _____ | Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> |
| Sampler - UPS - Bus - Other: _____ | Corrected Temp. °C <u>5.7</u> | Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Thermometer ID #113 | Bacteria (only) Sample Condition |
| | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Correction Factor -0.6°C | Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| | | | | | Observed Temp. °C |
| | | | | | Corrected Temp. °C |

FORM-000 REV 07/10/22

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | |
|--|------------------|------------------------------------|--------------|--------------|--------------|------------------|--------------------------|
| Company Name: <u>Ameregen</u> | | P.O. #: <u>20230106-1100-water</u> | | BILL TO | | ANALYSIS REQUEST | |
| Project Manager: <u>Andrew Parker</u> | | Company: <u>Ameregen</u> | | | | | |
| Address: <u>DN-File</u> | | Attn: <u>AParker@ameregen.com</u> | | | | | |
| City: _____ State: _____ Zip: _____ | | Address: _____ | | | | | |
| Phone #: _____ Fax #: _____ | | City: _____ | | | | | |
| Project #: _____ Project Owner: _____ | | State: _____ Zip: _____ | | | | | |
| Project Name: <u>20230106-1100-water</u> | | Phone #: _____ | | | | | |
| Project Location: <u>Desoto Springs</u> | | Fax #: _____ | | | | | |
| Sample Name: <u>Christopher Turner</u> | | | | | | | |
| FOR LAB USE ONLY | | | | | | | |
| 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 | | |
| <u>H231280</u> | <u>21 615-11</u> | <u>0-2Ft</u> | <u>61</u> | <u>3.21</u> | <u>12:25</u> | <u>X</u> | <u>Chloride</u> |
| <u>22 615-11</u> | <u>2-3Ft</u> | <u>0-2Ft</u> | <u>1</u> | <u>12:30</u> | <u>12:35</u> | <u>X</u> | <u>TPH (GRO+DRO+MRO)</u> |
| <u>23 615-12S</u> | <u>0-2Ft</u> | <u>0-2Ft</u> | <u>1</u> | <u>12:40</u> | <u>12:45</u> | <u>X</u> | <u>BTEX (Benzene)</u> |
| <u>24 615-12</u> | <u>0-2Ft</u> | <u>0-2Ft</u> | <u>1</u> | <u>12:50</u> | <u>1:00</u> | <u>X</u> | |
| <u>25 615-13N</u> | <u>0-2Ft</u> | <u>0-2Ft</u> | <u>1</u> | <u>1:05</u> | <u>1:10</u> | <u>X</u> | |
| <u>26 615-13</u> | <u>0-2Ft</u> | <u>0-2Ft</u> | <u>1</u> | | | | |
| <u>27 615-13S</u> | <u>0-2Ft</u> | <u>0-2Ft</u> | <u>1</u> | | | | |
| <u>28 615-14</u> | <u>0-2Ft</u> | <u>0-2Ft</u> | <u>1</u> | | | | |
| <u>29 615-14</u> | <u>0-2Ft</u> | <u>0-2Ft</u> | <u>1</u> | | | | |
| <u>30 615-14S</u> | <u>0-2Ft</u> | <u>0-2Ft</u> | <u>1</u> | | | | |

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| | | | |
|------------------------------|---------------------------------|---|--|
| Relinquished By: <u>CA</u> | Date: <u>3/1/23</u> | Received By: <u>Shodiquey</u> | Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: |
| Relinquished By: <u>CA</u> | Date: <u>3/1/23</u> | Received By: <u>Shodiquey</u> | All Results are emailed. Please provide Email address: |
| Time: _____ | Date: _____ | Received By: _____ | REMARKS: |
| Delivered By: (Circle One) | Observed Temp. °C: <u>16.3</u> | Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No | CHECKED BY: <u>(initials)</u> |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C: <u>5.72</u> | <input type="checkbox"/> Yes <input type="checkbox"/> No | Turnaround Time: _____ |
| | | | Thermometer ID #113 |
| | | | Correction Factor -0.8°C |
| | | | Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> |
| | | | Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No |
| | | | Observed Temp. °C _____ |
| | | | Corrected Temp. °C _____ |

FOR CARDINAL LABS USE ONLY

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**BILL TO**

ANALYSIS REQUEST

† Cardinal cannot accept verbal changes. Please email changes to celej.keeine@carrollalliance.com.

Appendix D

field notes demonstrating liner depth



Ameredeve II, LLC

Desoto Springs EC Sampling Notes 03-21-2023

| ID (GS) | Depth (ft) | EC (mS/cm) |
|------------------|----------------------|-------------|
| 01 | 0-2 | 0.68 |
| ↓ | 2 | 0.20 |
| 01 SE | 0-0.5 ft | 0.25 |
| ↓ | Liner | |
| 02 | 0-0.5 ft | 2.00 |
| ↓ | Liner | |
| 03 | 0-1 | 3.79 |
| ↓ | Liner | |
| 03 W | 0-0.5 | 0.22 |
| 04 | 0-0.75 | Washed away |
| ↓ | 0.75-1 | 2.35 |
| ↓ | Liner | |
| 05 | 0-2 | 1.04 |
| ↓ | Liner 2-2 | |
| 05 W | 0-0.5 | 0.19 |
| 06 | 0-2 | 0.12 |
| 06 N | 0-0.5 | 0.20 |
| 07 | 0-0.5 | 0.66 |
| ↓ | Liner | |
| 07 N | 0-2 | 0.18 |
| 07 SE | 0-2 | 0.15 |
| 08 | 0-2 | 0.85 |
| ↓ | 2-4 | 0.20 |
| 09 | 0-2 | 1.02 |
| ↓ | 2-4 | 0.09 |
| 10 | 0-2 | 0.10 |
| 10 N | 0-2 | 0.12 |
| 11 11 | 0-2 | 0.35 |
| 11 ↓ | 2-3 | 0.09 |
| 12 | 0-2 | 0.17 |
| 12 S | 0-2 | 0.20 |

Desoto Springs EC Sampling Notes 03-21-2023

| ID (Gs) | Depth (ft) | EC (mS/cm) |
|---------|------------|------------|
| 13 | 0-2 | 0.21 |
| 13 N | 0-2 | 0.20 |
| 13 S | 0-2 | 0.20 |
| 14 | 0-2 | 0.69 |
| ↓ | 2-4 | 0.20 |
| 14 S | 0-2 | 0.07 |

Liner Notes

Liner in tact, thick black plastic, buried at varying depths.

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 205158

CONDITIONS

| | |
|--|---|
| Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746 | OGRID: 372224 |
| | Action Number: 205158 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| jnobui | The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue. The OCD will not close a release, where contaminants are left in place, due to close proximity to equipment. The incident will only be closed after all contaminated soil has been remediated to meet OCD Spill Rule Standards. | 5/10/2023 |