

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 143796

QUESTIONS

Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 11490 Westheimer Rd., Ste 950 Houston, TX 77077	OGRID: 372417
	Action Number: 143796
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all of the questions in this group.</i>	
Site Name	20220907-1751-dc Dagger State Com 504H
Date Release Discovered	09/07/2022
Surface Owner	State

Incident Details	
<i>Please answer all of the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	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: Separation Flowback Pump Produced Water Released: 19 BBL Recovered: 10 BBL Lost: 9 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)	After equipment demobilization, free standing fluid was recovered and production pad was scraped and impacted material hauled off-site for proper disposal (09/11/2022).

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, Page 2

Action 143796

QUESTIONS (continued)

Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 11490 Westheimer Rd., Ste 950 Houston, TX 77077	OGRID: 372417
	Action Number: 143796
	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	<i>Not answered.</i>
If YES, was immediate notice given to the OCD, to whom	<i>Not answered.</i>
If YES, was immediate notice given to the OCD, when	<i>Not answered.</i>
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	<i>Not answered.</i>
<i>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.</i>	

Initial Response	
<i>The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.</i>	
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	<i>Not answered.</i>
<i>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.</i>	

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

ACKNOWLEDGMENTS

Action 143796

ACKNOWLEDGMENTS

Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 11490 Westheimer Rd., Ste 950 Houston, TX 77077	OGRID: 372417
	Action Number: 143796
	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.

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 143796

CONDITIONS

Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 11490 Westheimer Rd., Ste 950 Houston, TX 77077	OGRID: 372417
	Action Number: 143796
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
aparker	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	9/15/2022

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2225848830
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Advance Energy Partners Hat Mesa LLC	OGRID: 372417
Contact Name: Andrew Parker	Contact Telephone: 832-672-4700 (office)
Contact email: aparker@admeredev.com	Incident # (assigned by OCD) nAPP2225848830
Contact mailing address: 11490 Westheimer Rd. Suite 950. Houston, TX 77077	

Location of Release Source

Latitude 32.4499494 _____ Longitude -103.6050049 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Dagger State COM 504H	Site Type Production Pad
Date Release Discovered 09/07/2022	API# (if applicable) 30-025-43302

Unit Letter	Section	Township	Range	County
H	30	21S	33E	Lea

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 18.5	Volume Recovered (bbls) 10
	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: Release of produced water during well completion demobilization.

Incident ID	nAPP2225848830
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>September 15, 2022</u> email: <u>aparker@amerev.com</u> Telephone: <u>970-570-9535</u>
<u>OCD Only</u> Received by: <u>Jocelyn Harimon</u> Date: <u>01/30/2023</u>

Incident ID	nAPP2225848830
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>	___>100___ (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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? <u>Plate 3</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland? <u>Plate 6</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine? <u>Plate 7</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology? <u>Plate 8</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain? <u>Plate 9</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

<p><u>Characterization Report Checklist:</u> <i>Each of the following items must be included in the report.</i></p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. <input checked="" type="checkbox"/> Field data <input checked="" type="checkbox"/> Data table of soil contaminant concentration data <input checked="" type="checkbox"/> Depth to water determination <input checked="" type="checkbox"/> Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release <input checked="" type="checkbox"/> Boring or excavation logs <input checked="" type="checkbox"/> Photographs including date and GIS information <input checked="" type="checkbox"/> Topographic/Aerial maps <input checked="" type="checkbox"/> 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	nAPP2225848830
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 Parker Title: Env. Scientist

Signature:  Date: January 30, 2023

email: aparker@amerdev.com Telephone: 970-570-9535

OCD Only

Received by: Jocelyn Harimon Date: 01/30/2023

Incident ID	nAPP2225848830
District RP	
Facility ID	
Application ID	

Remediation Plan

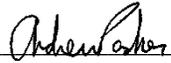
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- 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 Parker Title: Env. Scientist
 Signature:  Date: January 30, 2023
 email: aparker@amerev.com Telephone: 970-570-9535

OCD Only

Received by: Jocelyn Harimon Date: 01/30/2023

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

Incident ID	nAPP2225848830
District RP	
Facility ID	
Application ID	

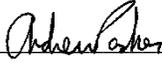
Closure

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

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

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

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

Printed Name: Andrew Parker Title: Env. Scientist
 Signature:  Date: January 30, 2023
 email: aparker@ameredev.com Telephone: 970-570-9535

OCD Only

Received by: Jocelyn Harimon Date: 01/30/2023

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

Closure Approved by:  Date: 02/16/2023
 Printed Name: Jennifer Nobui Title: Environmental Specialist A



11490 Westheimer Road, Suite 950, Houston, Texas 77077 • Phone 832-672-4700 • Fax 832-672-4609

January 30, 2023

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

RE: Deferral Request
Incident ID: nAPP2225848830
Dagger State Com 504 H (“A” Pad)
AEP #: 20220907-1751-dc

NMOCD:

Advance Energy Partners Hat Mesa LLC respectfully submits this characterization report and deferral request for incident number nAPP2225848830.

The release was discovered September 7, 2022, on Dagger State Com 504 H (“A” Pad). Field investigations suggest that the release of produced water occurred during drilling and completion operations. Initial investigation visually identified the impacted area to be approximately 2,962 square feet, estimating 19 barrels of produced water released. Subsequent evaluation after completion equipment demobilized revealed an impacted area of 47,394 square feet. The release occurred on State surface. The release did not impact surface or groundwater.



*Figure 1: View of impacted area facing northeast from the southwest.
Date Taken: 2022-09-13 13:49:35. GPS: 32.4498642, -103.6056544*

Incident ID: nAPP2225848830
Dagger State Com 504H ("A" Pad)
AEP #: 20220907-1751-dc

Characterization

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

1.1. Site Map

Horizontal extent of the discharge was determined by visual observations and field screening for electrical conductivity. The discharge extent mapping utilized GPS technology with sub-meter accuracy.

Plate 1 shows the release extent relative to the Dagger State A Pad production site. The coordinates of the release area are 32.4499494, -103.6050049 (Lat, Long; NAD83). The release extent covered approximately 47,394 sq feet.

1.2. Depth to Ground Water

The nearest depth-to-water boring relative to the release extent is mapped on Plate 2. The Office of the State Engineer well log is attached in Appendix B:

- MISC-403 (CP-1882) located 0.18-miles north of the release extent with a depth to water of >106 ft. dated 10/07/2021. The borehole is plugged.

1.3. Wellhead Protection Area

Plate 3 shows that the release extent is:

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

1.4. Distance to Nearest Significant Water Course

Plate 4 shows that the release extent is:

- Not within ½ mile of any significant water course. The closest watercourse is an intermittent stream 2.1 miles southeast of the release.
- 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 used for oil and gas operations.

Incident ID: nAPP2225848830
Dagger State Com 504H ("A" Pad)
AEP #: 20220907-1751-dc

The USDA Natural Resources Conservation Service (NRCS)¹ soil survey describes the upper 60 inches (5 ft) of lithology as

- Kermit soils and Dune Land, 0 to 12 percent slopes.
- Kermit soils and Dune land:
 - A - 0 to 8 inches: fine sand
 - C - 8 to 60 inches: fine sand

The lithology as described by the NRCS is consistent with observed remediation and construction activities through the area of interest.

On January 13, 2023, Advance Energy Partners proceeded with comprehensive sampling for characterization of the release on the active production site to determine release extent and to evaluate constituents of concern. Soil samples were collected at the surface (0-1 ft) for horizontal delineation and core samples at specified depths below the surface to evaluate the vertical extent of impacted soil.

Analysis of constituents of concern showed that all soil samples met Closure Criteria, defined below, according to Table 1 of 19.15.29 NMAC for the release area on an active production site that is in use for oil and gas operations and where depth to water is > 100 ft.

- Chloride < 20,000 mg/kg
- TPH (GRO + DRO + MRO) < 2,500 mg/kg
- TPH (GRO + DRO) < 1,000 mg/kg
- BTEX < 50 mg/kg
- Benzene < 10 mg/kg

Lateral/horizontal delineation of release extent to 600 mg/kg for chlorides is also demonstrated.

- Plate 10 shows sample locations.
- Table A identifies sample point coordinates.
- Table B is a Summary of Analytical.
- Certificates of Analysis are included in Appendix C.

No remediation occurred and boreholes were backfilled and the surface restored to an active production site (Figure 2).

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

Incident ID: nAPP2225848830
Dagger State Com 504H ("A" Pad)
AEP #: 20220907-1751-dc



Figure 2: Photo of restored surface after confirmation sampling. Photo is viewing northeast from the southwestern release extent. Date/Time: 2023-01-23 13:23:25. GPS: 32.4495565 N, -103.6056396 W

2. Deferral Request

Advance Energy Partners respectfully asks NMOCD for deferral of impacted areas on the active production site. This area meets the criteria for deferral request 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.

Analysis of samples obtained for horizontal and vertical delineation of the release extent on the active production site demonstrated that constituents of concern met the standards of Table I of 19.15.29.12 NMAC, where groundwater > 100 ft below ground surface as defined above. Lateral/horizontal delineation also demonstrates that chlorides are < 600 mg/kg. No other constituents of concern were elevated beyond most stringent closure criteria.

If NMOCD determines that confirmation sample analytical results meet Closure Criteria concentrations as listed in Table 1 of 19.15.29 NMAC for an active production site, a C-141 Closure Form is attached for approval.

Incident ID: nAPP2225848830
Dagger State Com 504H ("A" Pad)
AEP #: 20220907-1751-dc

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

Please contact me with any questions.

Sincerely,



Andrew Parker
Ameredev Operating, on the behalf of Advance Energy Partners, LLC
Environmental Scientist

CC: State Land Office

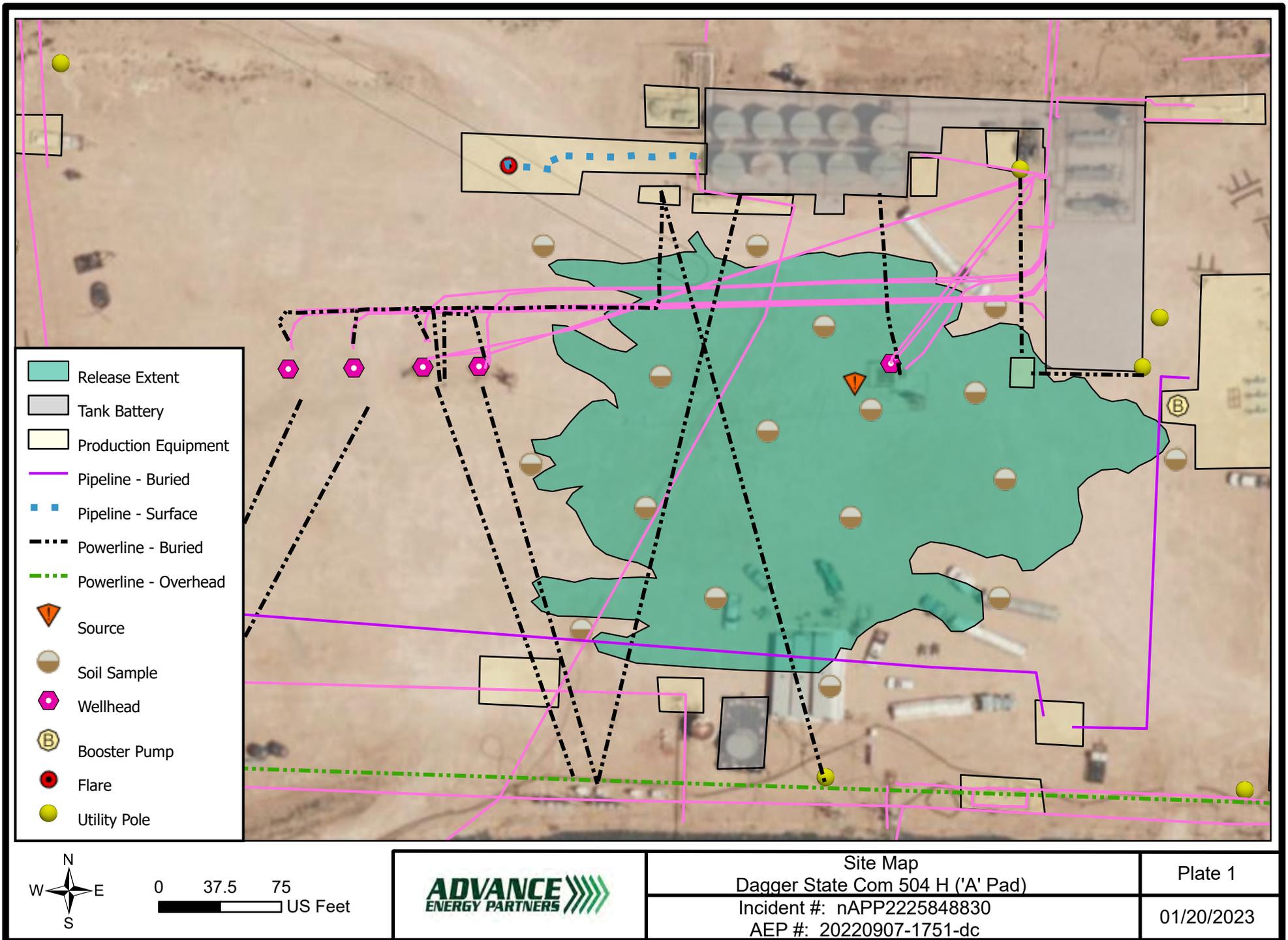
01/30/2023

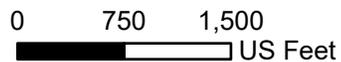
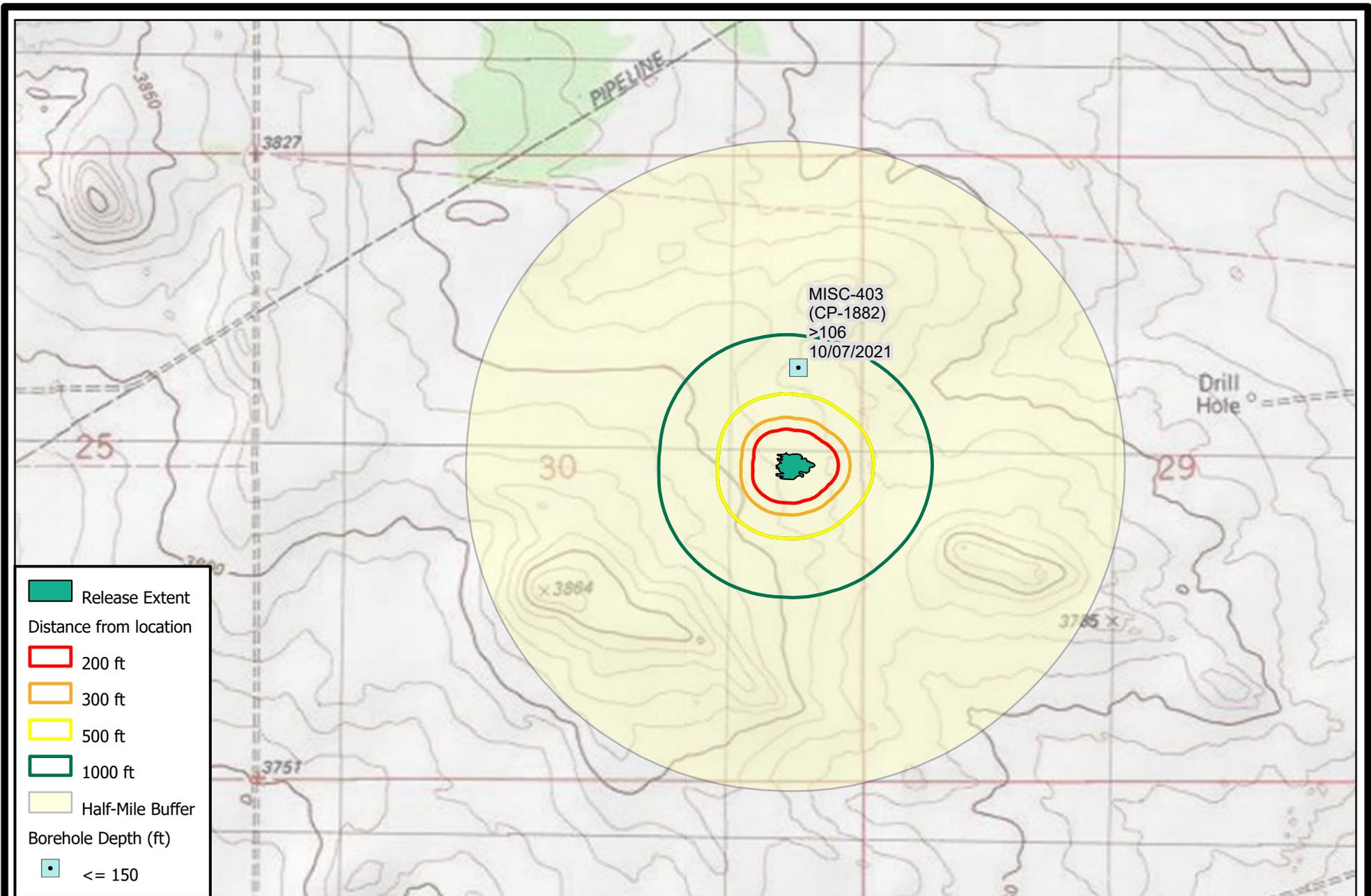
Released to Imaging: 2/16/2023 3:53:06 PM



Plates

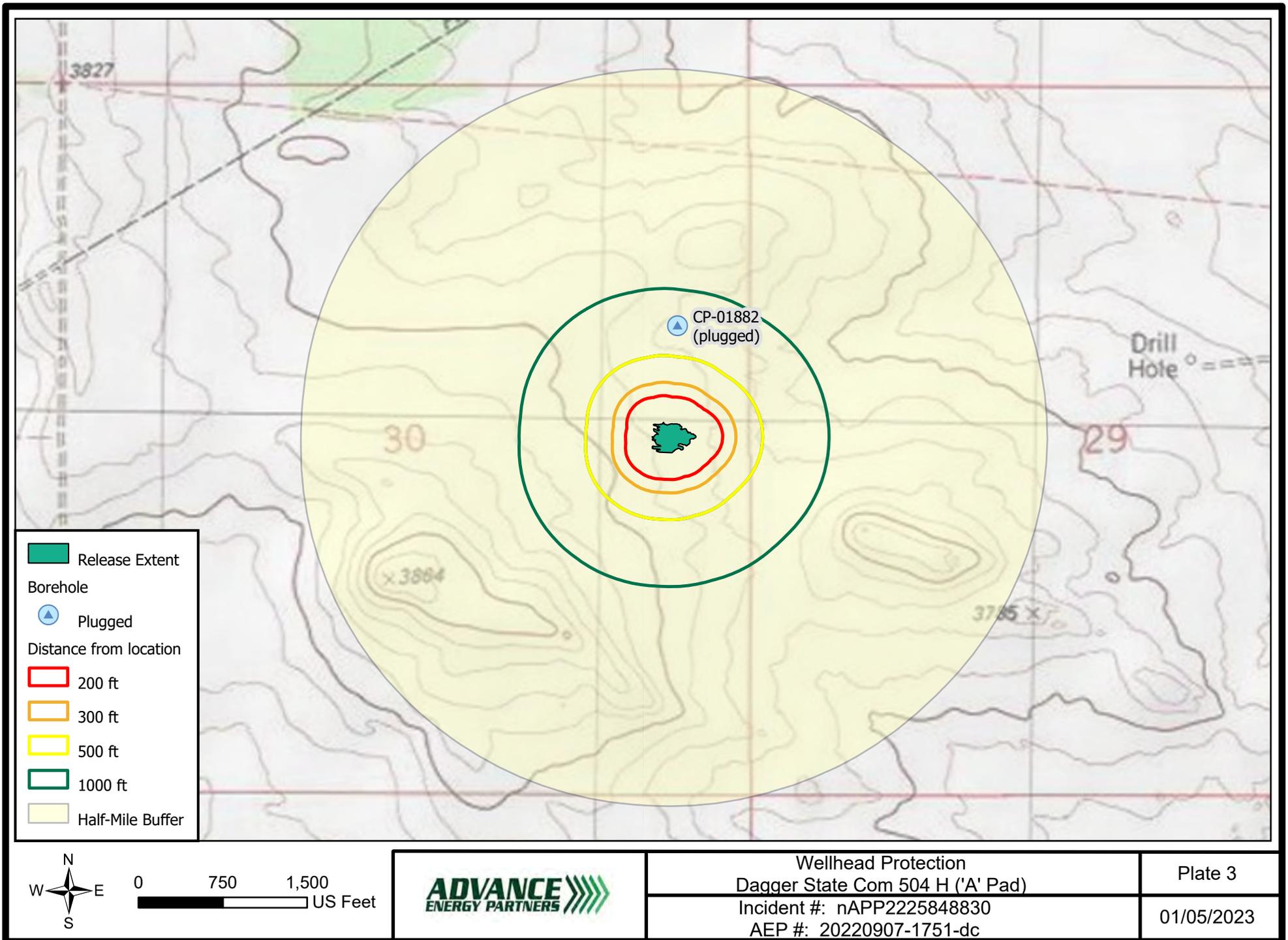


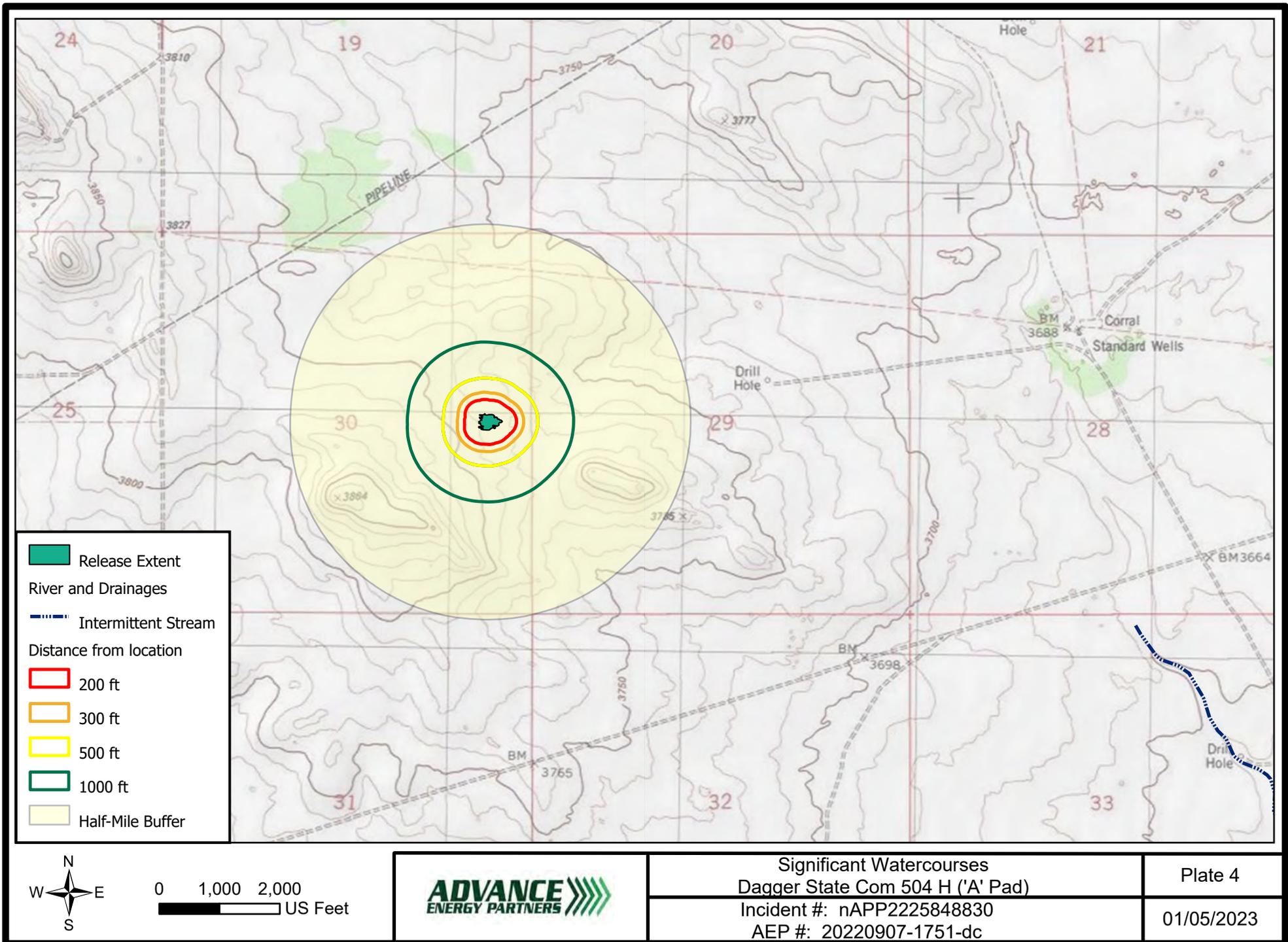


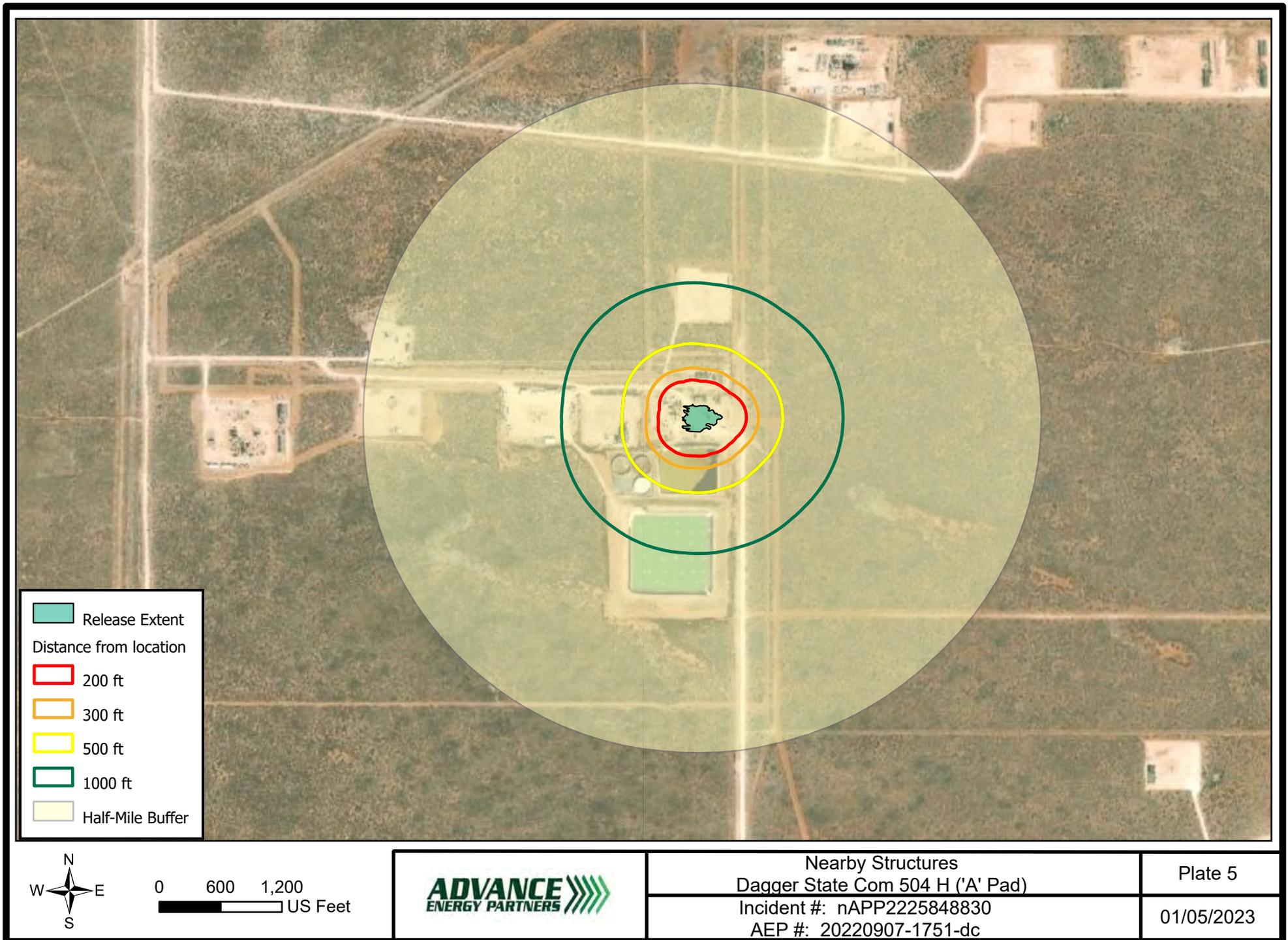


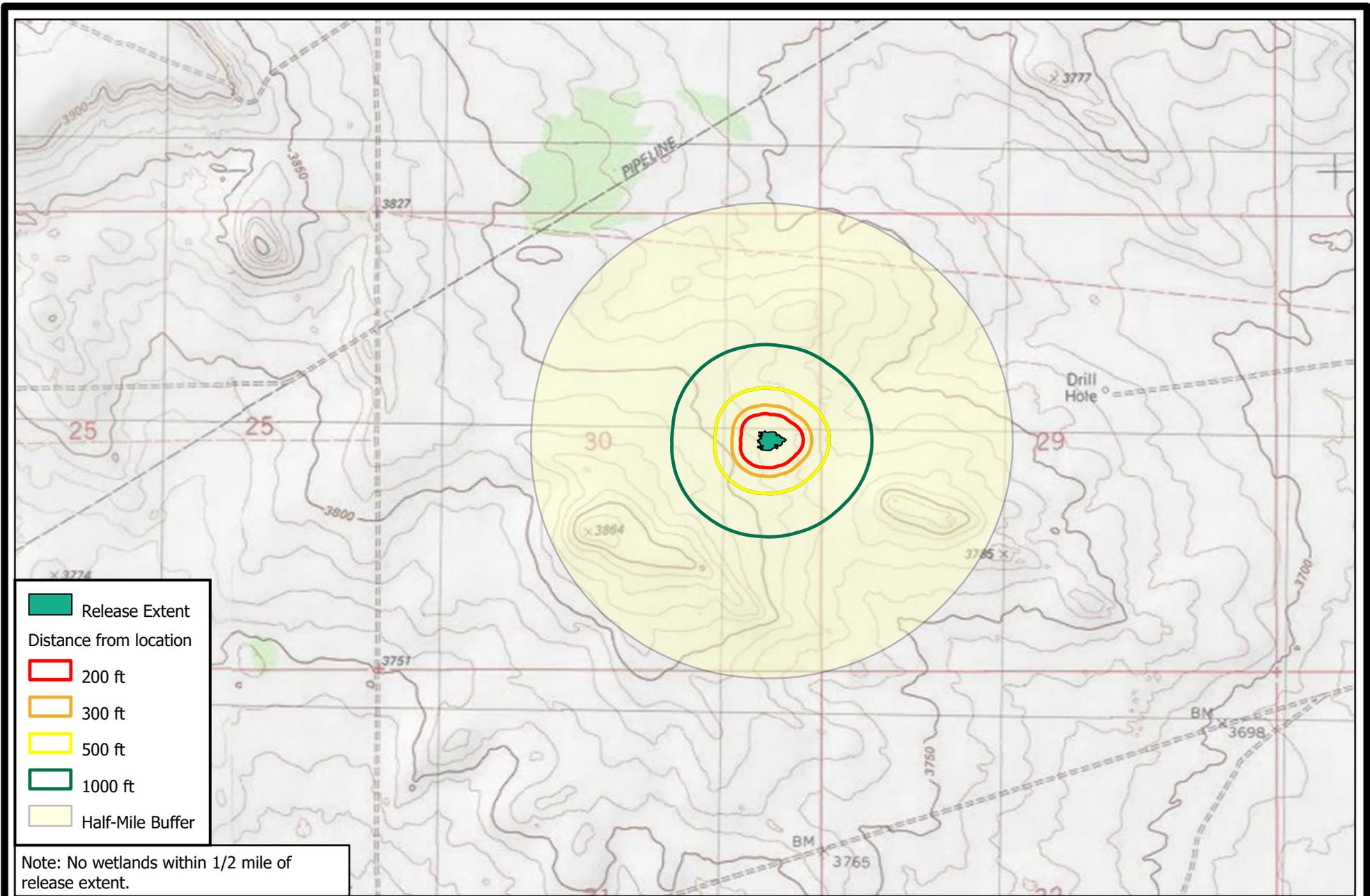
Depth to Water
Dagger State Com 504 H ('A' Pad)
Incident #: nAPP2225848830
AEP #: 20220907-1751-dc

Plate 2
01/05/2023



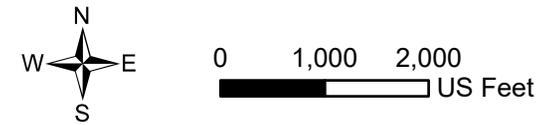






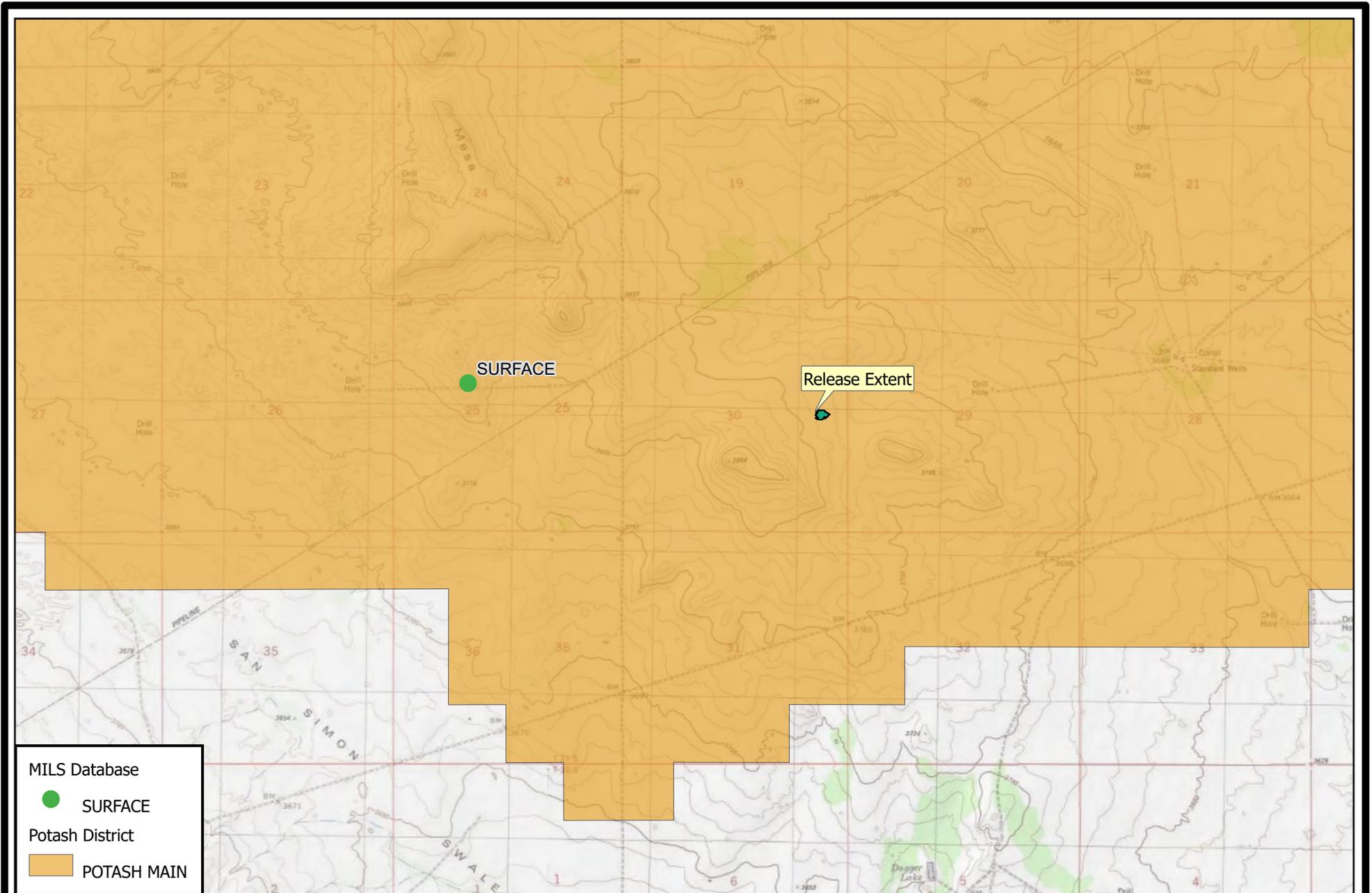
- Release Extent
- Distance from location
- 200 ft
- 300 ft
- 500 ft
- 1000 ft
- Half-Mile Buffer

Note: No wetlands within 1/2 mile of release extent.



Wetlands
Dagger State Com 504 H ('A' Pad)
Incident #: nAPP2225848830
AEP #: 20220907-1751-dc

Plate 6
01/05/2023

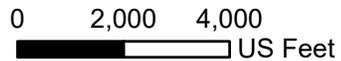


MILS Database

- SURFACE

Potash District

- POTASH MAIN

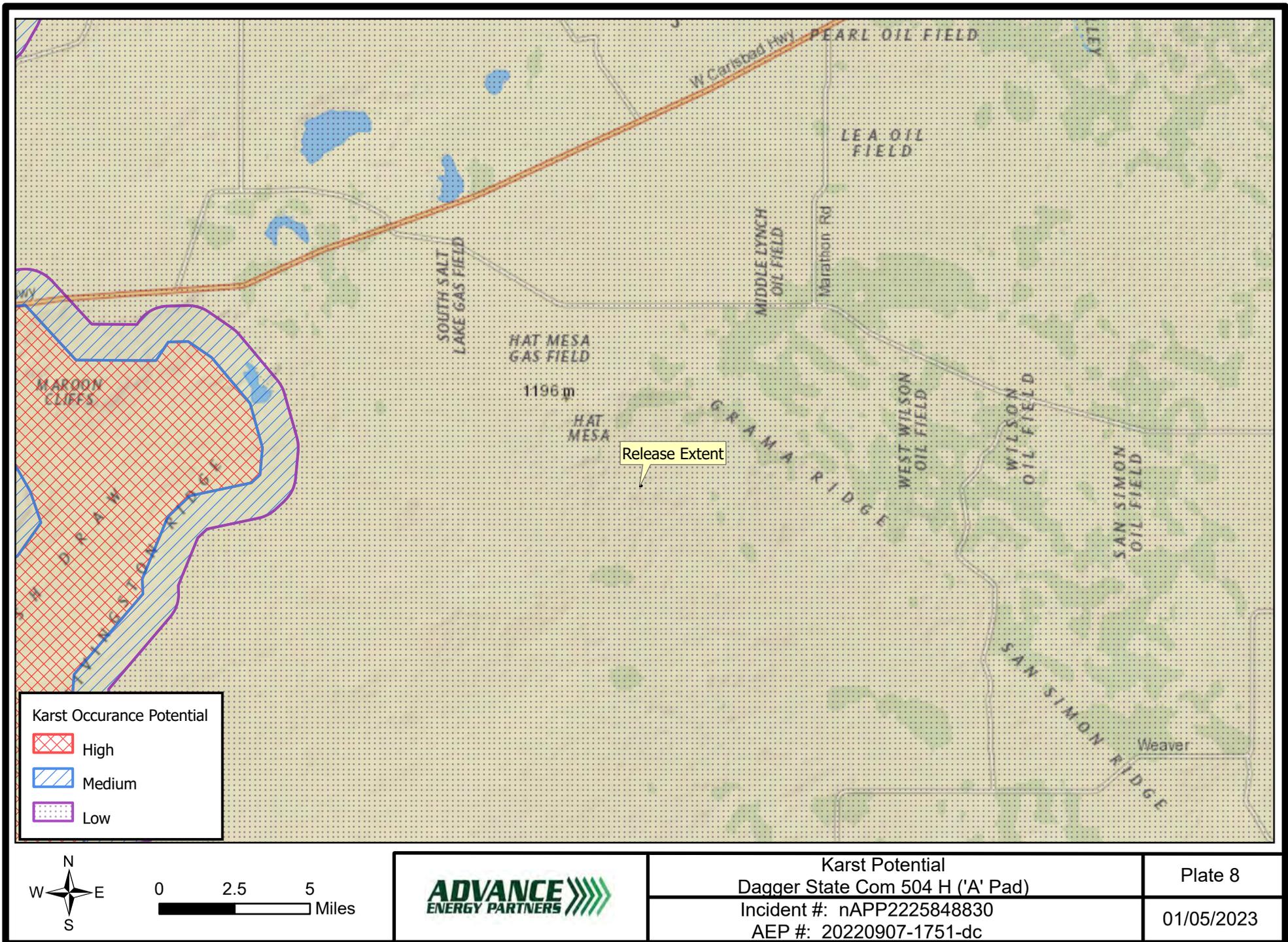


Mines and Minerals
Dagger State Com 504 H ('A' Pad)

Incident #: nAPP2225848830
AEP #: 20220907-1751-dc

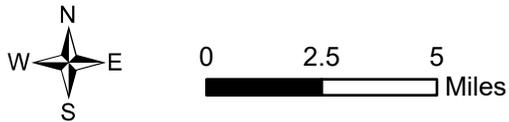
Plate 7

01/05/2023



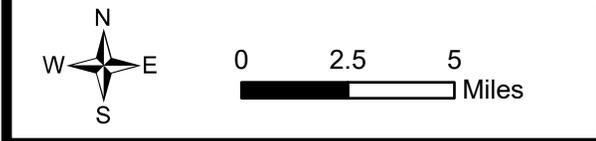
Karst Occurance Potential

-  High
-  Medium
-  Low



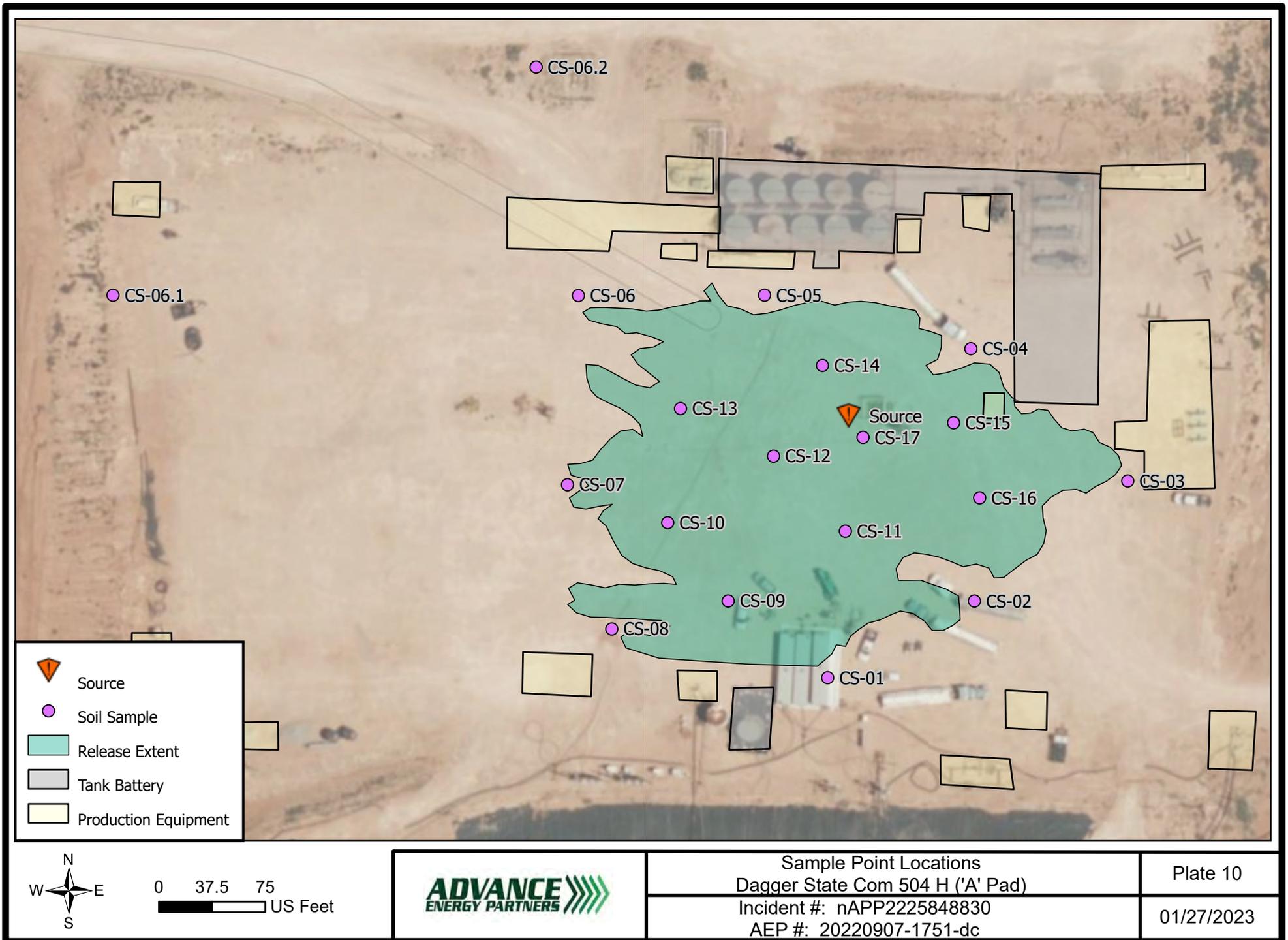
Karst Potential Dagger State Com 504 H ('A' Pad)
Incident #: nAPP2225848830 AEP #: 20220907-1751-dc

Plate 8 01/05/2023



Flood Hazard	
Dagger State Com 504 H ('A' Pad)	
Incident #: nAPP2225848830	
AEP #: 20220907-1751-dc	

Plate 9
01/05/2023



Tables



Table A
Sample Point Coordinates

Sample Point	Latitude	Longitude
CS-01	32.44952300	-103.6050443
CS-02	32.44964768	-103.6047611
CS-03	32.44984293	-103.6044653
CS-04	32.45005805	-103.6047680
CS-05	32.45014507	-103.6051661
CS-06	32.45014444	-103.6055252
CS-06.1	32.45014494	-103.6064232
CS-06.2	32.45051591	-103.6056068
CS-07	32.44983677	-103.6055463
CS-08	32.44960229	-103.6054608
CS-09	32.44964774	-103.6052362
CS-10	32.44977509	-103.6053529
CS-11	32.44976124	-103.6050102
CS-12	32.44988328	-103.6051488
CS-13	32.44996066	-103.6053282
CS-14	32.45003074	-103.6050544
CS-15	32.44993752	-103.6048013
CS-16	32.44981548	-103.6047511
CS-17	32.44991379	-103.6049760
Source	32.44994837	-103.6050044

January 27, 2023

Table B
Summary of Analytical

Incident ID: nAPP2225848830
Dagger State Com 504 H ("A" Pad)
AEP #: 20220907-1751-dc

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Comments	Lab	Lab #
												(Hall/Cardinal)	
NMOCD Closure Criteria													
0 - 4 feet & "not in-use"						600	--	100	10	50			
> 4 ft or "in-use"						20,000	1,000	2,500	10	50			
CS-01	1/13/2023		0	2	On Site	320	<20	<30	<0.05	<0.30	Horizontal Delineation	Cardinal	H230209
CS-02	1/13/2023		0	2	On Site	336	<20	<30	<0.05	<0.30	Horizontal Delineation	Cardinal	H230209
CS-03	1/13/2023		0	2	On Site	112	<20	<30	<0.05	<0.30	Horizontal Delineation	Cardinal	H230209
CS-04	1/13/2023		0	2	On Site	320	<20	<30	<0.05	<0.30	Horizontal Delineation	Cardinal	H230209
CS-05	1/13/2023		0	2	On Site	112	<20	<30	<0.05	<0.30	Horizontal Delineation	Cardinal	H230209
CS-06	1/13/2023		0	2	On Site	832	<20	<30	<0.05	<0.30	Horizontal Delineation	Cardinal	H230209
CS-06	1/13/2023		2	4	On Site	112	<20	<30	<0.05	<0.30	Horizontal Delineation	Cardinal	H230209
CS-06	1/13/2023	4.5			On Site	112	<20	<30	<0.05	<0.30	Horizontal Delineation	Cardinal	H230209
CS-06.1	1/20/2023	0			Off Site	64	<20	<30	<0.05	<0.30	Horizontal Delineation	Cardinal	H230315
CS-06.2	1/20/2023	0			Off Site	64	<20	<30	<0.05	<0.30	Horizontal Delineation	Cardinal	H230315
CS-07	1/13/2023		0	2	On Site	224	<20	<30	<0.05	<0.30	Horizontal Delineation	Cardinal	H230209
CS-08	1/13/2023		0	2	On Site	176	<20	<30	<0.05	<0.30	Horizontal Delineation	Cardinal	H230209
CS-09	1/13/2023		0	2	On Site	32	<20	<30	<0.05	<0.30	Vertical Delineation	Cardinal	H230209
CS-10	1/13/2023		0	2	On Site	2640	<20	<30	<0.05	<0.30	Vertical Delineation	Cardinal	H230209
CS-10	1/13/2023		2	4	On Site	624	<20	<30	<0.05	<0.30	Vertical Delineation	Cardinal	H230209
CS-10	1/13/2023	4.5			On Site	320	<20	<30	<0.05	<0.30	Vertical Delineation	Cardinal	H230209
CS-11	1/13/2023		0	2	On Site	128	<20	<30	<0.05	<0.30	Vertical Delineation	Cardinal	H230209
CS-12	1/13/2023		0	2	On Site	464	<20	<30	<0.05	<0.30	Vertical Delineation	Cardinal	H230209
CS-12	1/13/2023		2	4	On Site	64	<20	<30	<0.05	<0.30	Vertical Delineation	Cardinal	H230209
CS-13	1/13/2023		0	2	On Site	1550	<20	<30	<0.05	<0.30	Vertical Delineation	Cardinal	H230209
CS-13	1/13/2023		2	4	On Site	288	<20	<30	<0.05	<0.30	Vertical Delineation	Cardinal	H230209
CS-14	1/13/2023		0	2	On Site	3640	<20	<30	<0.05	<0.30	Vertical Delineation	Cardinal	H230209
CS-14	1/13/2023		2	4	On Site	4080	<20	<30	<0.05	<0.30	Vertical Delineation	Cardinal	H230209
CS-14	1/13/2023	4.5			On Site	4720	<20	<30	<0.05	<0.30	Vertical Delineation	Cardinal	H230209
CS-15	1/13/2023		0	2	On Site	160	<20	<30	<0.05	<0.30	Vertical Delineation	Cardinal	H230209
CS-15	1/13/2023		2	4	On Site	80	<20	<30	<0.05	<0.30	Vertical Delineation	Cardinal	H230209
CS-16	1/13/2023		0	2	On Site	240	<20	<30	<0.05	<0.30	Vertical Delineation	Cardinal	H230209
CS-17	1/13/2023		0	2	On Site	2440	<20	<30	<0.05	<0.30	Vertical Delineation	Cardinal	H230209
CS-17	1/13/2023		2	4	On Site	1620	<20	<30	<0.05	<0.30	Vertical Delineation	Cardinal	H230209
CS-17	1/13/2023	4.5			On Site	1340	<20	<30	<0.05	<0.30	Vertical Delineation	Cardinal	H230209

Appendix A

Communications



Andrew Parker

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Friday, January 6, 2023 8:14 AM
To: Andrew Parker
Cc: Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD
Subject: RE: [EXTERNAL] nAPP2225848830 48 hr Sampling Notice Dagger State Com 504H "A" Pad

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

Spam Content [Details](#)

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

Andrew,

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

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@ameredev.com>
Sent: Thursday, January 5, 2023 3:39 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Jesus Palomares <jpalomares@ameredev.com>
Subject: [EXTERNAL] nAPP2225848830 48 hr Sampling Notice Dagger State Com 504H "A" Pad

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 48 hour confirmation sampling notice for incident nAPP2225848830 per 19.15.29 NMAC. The soil samples are for horizontal/vertical delineation for a forthcoming characterization/remediation plan. The soil samples may be used for confirmation samples either for a deferral request or closure report.

Sampling is expected to commence on Wednesday January 10th or 11th.

Thank you,

Andrew Parker
Environmental Scientist
970-570-9535



Appendix B

Well Logs





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

10/29/2021

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

Hand Delivered to the DII Office of the State Engineer

Re: Well Record CP-1882 Pod1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, CP-1882 Pod1.

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

Sincerely,

A handwritten signature in black ink that reads "Lucas Middleton". The signature is written in a cursive style.

Lucas Middleton

Enclosures: as noted above

OSE DIT NOV 1 2021 PM4142



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (TW-1)		WELL TAG ID NO. n/a		OSE FILE NO(S). CP-1882			
	WELL OWNER NAME(S) Advanced Energy Partners				PHONE (OPTIONAL) 832.672.4700			
	WELL OWNER MAILING ADDRESS 11490 Westheimer Rd. Stuit 950				CITY Houston	STATE TX	ZIP 77077	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 32	SECONDS 27	7.70	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE	103	36	17.7	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE SE NE Sec. 30 T21S R33E								
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 10/06/2021	DRILLING ENDED 10/07/2021	DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 106	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			
	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							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	106	±6.5	Boring- HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/30/17)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2	

2021-10-28_CP-1882_OSE_Well Record and Log-forsigned

Final Audit Report

2021-10-29

Created:	2021-10-29
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAnssS7mjb_msszUkFnzTQWpA1ol8YdAXL

"2021-10-28_CP-1882_OSE_Well Record and Log-forsigned" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2021-10-29 - 3:54:49 PM GMT- IP address: 69.21.248.123
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2021-10-29 - 3:55:18 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2021-10-29 - 4:17:34 PM GMT- IP address: 64.90.153.232
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2021-10-29 - 4:18:13 PM GMT - Time Source: server- IP address: 64.90.153.232
-  Agreement completed.
2021-10-29 - 4:18:13 PM GMT

OSE BIT NO 1 2021 P4145



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-1882-POD1

Well owner: Advanced Energy Partners Phone No.: 832.672.4700

Mailing address: 11490 Westheimer Rd. Stuit 950

City: Houston State: Texas Zip code: 77077

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, Carmelo Trevino, Cameron Pruitt
- 4) Date well plugging began: 10/14/2021 Date well plugging concluded: 10/14/2021
- 5) GPS Well Location: Latitude: 32 deg, 27 min, 7.70 sec
Longitude: 103 deg, 36 min, 17.7 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 106 ft below ground level (bgl),
by the following manner: weighted tape
- 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: 07/08/2021
- 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):

2023 JAN 30 11:21:30 AM

- 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	15.6 gallons	15 gallons	Augers	
10'-106'	Drill Cuttings	Approx. 152 gallons	152 gallons	Boring	

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

GSE 017701 2021 PM2143

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

10/29/2021

Signature of Well Driller

Date

2021-10-28_CP-1882__WD-11 Plugging Record-forsign

Final Audit Report

2021-10-29

Created:	2021-10-29
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAJ56zL5gGf8mtJumZGiLTdDB7pgJ8zerB

"2021-10-28_CP-1882__WD-11 Plugging Record-forsign" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2021-10-29 - 3:55:07 PM GMT- IP address: 69.21.248.123
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2021-10-29 - 3:55:26 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2021-10-29 - 4:16:44 PM GMT- IP address: 64.90.153.232
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2021-10-29 - 4:17:17 PM GMT - Time Source: server- IP address: 64.90.153.232
-  Agreement completed.
2021-10-29 - 4:17:17 PM GMT

SEE DT NOV 1 2021 PM 4:43



Appendix C

Certificate of Analysis





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

January 19, 2023

ANDREW PARKER

ADVANCE ENERGY PARTNERS

11490 WESTHEIMER ROAD, STE. 950

HOUSTON, TX 77077

RE: DAGGER STATE A PAD

Enclosed are the results of analyses for samples received by the laboratory on 01/16/23 9:12.

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".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 01 0-2' (H230209-01)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2023	ND	2.00	100	2.00	12.4	
Toluene*	<0.050	0.050	01/18/2023	ND	2.03	101	2.00	12.7	
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	1.98	98.8	2.00	13.7	
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.12	102	6.00	13.4	
Total BTEX	<0.300	0.300	01/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	01/16/2023	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	01/17/2023	ND	191	95.5	200	0.0560	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	179	89.4	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 02 0-2' (H230209-02)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2023	ND	2.00	100	2.00	12.4	
Toluene*	0.065	0.050	01/18/2023	ND	2.03	101	2.00	12.7	
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	1.98	98.8	2.00	13.7	
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.12	102	6.00	13.4	
Total BTEX	<0.300	0.300	01/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	336	16.0	01/16/2023	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	01/17/2023	ND	191	95.5	200	0.0560	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	179	89.4	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 03 0-2' (H230209-03)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2023	ND	2.00	100	2.00	12.4	
Toluene*	<0.050	0.050	01/18/2023	ND	2.03	101	2.00	12.7	
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	1.98	98.8	2.00	13.7	
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.12	102	6.00	13.4	
Total BTEX	<0.300	0.300	01/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	01/16/2023	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	01/17/2023	ND	191	95.5	200	0.0560	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	179	89.4	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 04 0-2' (H230209-04)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2023	ND	2.00	100	2.00	12.4	
Toluene*	<0.050	0.050	01/18/2023	ND	2.03	101	2.00	12.7	
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	1.98	98.8	2.00	13.7	
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.12	102	6.00	13.4	
Total BTEX	<0.300	0.300	01/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	320	16.0	01/16/2023	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	01/17/2023	ND	191	95.5	200	0.0560	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	179	89.4	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 05 0-2' (H230209-05)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2023	ND	2.00	100	2.00	12.4	
Toluene*	<0.050	0.050	01/18/2023	ND	2.03	101	2.00	12.7	
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	1.98	98.8	2.00	13.7	
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.12	102	6.00	13.4	
Total BTEX	<0.300	0.300	01/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	01/16/2023	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	01/17/2023	ND	191	95.5	200	0.0560	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	179	89.4	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 06 0-2' (H230209-06)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2023	ND	2.00	100	2.00	12.4	
Toluene*	<0.050	0.050	01/18/2023	ND	2.03	101	2.00	12.7	
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	1.98	98.8	2.00	13.7	
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.12	102	6.00	13.4	
Total BTEX	<0.300	0.300	01/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	832	16.0	01/16/2023	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	01/17/2023	ND	191	95.5	200	0.0560	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	179	89.4	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 79.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 06 2-4' (H230209-07)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2023	ND	2.00	100	2.00	12.4	
Toluene*	<0.050	0.050	01/18/2023	ND	2.03	101	2.00	12.7	
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	1.98	98.8	2.00	13.7	
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.12	102	6.00	13.4	
Total BTEX	<0.300	0.300	01/18/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/16/2023	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	01/17/2023	ND	196	98.1	200	0.251	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	204	102	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 06 4.5' (H230209-08)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2023	ND	2.00	100	2.00	12.4	
Toluene*	<0.050	0.050	01/18/2023	ND	2.03	101	2.00	12.7	
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	1.98	98.8	2.00	13.7	
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.12	102	6.00	13.4	
Total BTEX	<0.300	0.300	01/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	01/16/2023	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	01/17/2023	ND	196	98.1	200	0.251	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	204	102	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 07 0-2' (H230209-09)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2023	ND	2.00	100	2.00	12.4	
Toluene*	<0.050	0.050	01/18/2023	ND	2.03	101	2.00	12.7	
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	1.98	98.8	2.00	13.7	
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.12	102	6.00	13.4	
Total BTEX	<0.300	0.300	01/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	224	16.0	01/16/2023	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	01/17/2023	ND	196	98.1	200	0.251	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	204	102	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 08 0-2' (H230209-10)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2023	ND	2.13	106	2.00	0.652	
Toluene*	<0.050	0.050	01/17/2023	ND	2.13	106	2.00	2.33	
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.07	103	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.30	105	6.00	1.91	
Total BTEX	<0.300	0.300	01/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	01/16/2023	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	01/17/2023	ND	196	98.1	200	0.251	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	204	102	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 09 0-2' (H230209-11)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2023	ND	2.13	106	2.00	0.652	
Toluene*	<0.050	0.050	01/17/2023	ND	2.13	106	2.00	2.33	
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.07	103	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.30	105	6.00	1.91	
Total BTEX	<0.300	0.300	01/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	32.0	16.0	01/16/2023	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	01/17/2023	ND	196	98.1	200	0.251	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	204	102	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 10 0-2' (H230209-12)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2023	ND	2.13	106	2.00	0.652		
Toluene*	<0.050	0.050	01/18/2023	ND	2.13	106	2.00	2.33		
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	2.07	103	2.00	1.81		
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.30	105	6.00	1.91		
Total BTEX	<0.300	0.300	01/18/2023	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	2640	16.0	01/16/2023	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	01/17/2023	ND	196	98.1	200	0.251		
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	204	102	200	0.483		
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND						

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 10 2-4' (H230209-13)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2023	ND	2.13	106	2.00	0.652	
Toluene*	<0.050	0.050	01/18/2023	ND	2.13	106	2.00	2.33	
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	2.07	103	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.30	105	6.00	1.91	
Total BTEX	<0.300	0.300	01/18/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	01/16/2023	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	01/17/2023	ND	196	98.1	200	0.251	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	204	102	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 10 4.5' (H230209-14)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2023	ND	2.13	106	2.00	0.652	
Toluene*	<0.050	0.050	01/18/2023	ND	2.13	106	2.00	2.33	
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	2.07	103	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.30	105	6.00	1.91	
Total BTEX	<0.300	0.300	01/18/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	01/16/2023	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	01/17/2023	ND	196	98.1	200	0.251	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	204	102	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 11 0-2' (H230209-15)

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	01/18/2023	ND	2.13	106	2.00	0.652	
Toluene*	<0.050	0.050	01/18/2023	ND	2.13	106	2.00	2.33	
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	2.07	103	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.30	105	6.00	1.91	
Total BTEX	<0.300	0.300	01/18/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/16/2023	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	01/17/2023	ND	196	98.1	200	0.251	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	204	102	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 12 0-2' (H230209-16)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2023	ND	2.13	106	2.00	0.652	
Toluene*	<0.050	0.050	01/18/2023	ND	2.13	106	2.00	2.33	
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	2.07	103	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.30	105	6.00	1.91	
Total BTEX	<0.300	0.300	01/18/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	01/16/2023	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	01/17/2023	ND	196	98.1	200	0.251	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	204	102	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 12 2-4' (H230209-17)

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	01/18/2023	ND	2.13	106	2.00	0.652	
Toluene*	<0.050	0.050	01/18/2023	ND	2.13	106	2.00	2.33	
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	2.07	103	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.30	105	6.00	1.91	
Total BTEX	<0.300	0.300	01/18/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/16/2023	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	01/17/2023	ND	196	98.1	200	0.251	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	204	102	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 74.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.3 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 13 0-2' (H230209-18)

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	01/18/2023	ND	2.13	106	2.00	0.652	
Toluene*	<0.050	0.050	01/18/2023	ND	2.13	106	2.00	2.33	
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	2.07	103	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.30	105	6.00	1.91	
Total BTEX	<0.300	0.300	01/18/2023	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	1550	16.0	01/16/2023	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	01/17/2023	ND	196	98.1	200	0.251	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	204	102	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 13 2-4' (H230209-19)

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	01/18/2023	ND	2.13	106	2.00	0.652	
Toluene*	<0.050	0.050	01/18/2023	ND	2.13	106	2.00	2.33	
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	2.07	103	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.30	105	6.00	1.91	
Total BTEX	<0.300	0.300	01/18/2023	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	288	16.0	01/16/2023	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	01/17/2023	ND	196	98.1	200	0.251	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	204	102	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 14 0-2' (H230209-20)

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	01/18/2023	ND	2.13	106	2.00	0.652	
Toluene*	<0.050	0.050	01/18/2023	ND	2.13	106	2.00	2.33	
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	2.07	103	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.30	105	6.00	1.91	
Total BTEX	<0.300	0.300	01/18/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3640	16.0	01/16/2023	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	01/17/2023	ND	196	98.1	200	0.251	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	204	102	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 14 2-4' (H230209-21)

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	01/18/2023	ND	2.13	106	2.00	0.652	
Toluene*	<0.050	0.050	01/18/2023	ND	2.13	106	2.00	2.33	
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	2.07	103	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.30	105	6.00	1.91	
Total BTEX	<0.300	0.300	01/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	4080	16.0	01/16/2023	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	01/17/2023	ND	196	98.1	200	0.251	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	204	102	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 14 4.5' (H230209-22)

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	01/18/2023	ND	2.13	106	2.00	0.652	
Toluene*	<0.050	0.050	01/18/2023	ND	2.13	106	2.00	2.33	
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	2.07	103	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.30	105	6.00	1.91	
Total BTEX	<0.300	0.300	01/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	4720	16.0	01/16/2023	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	01/17/2023	ND	196	98.1	200	0.251	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	204	102	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 15 0-2' (H230209-23)

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	01/18/2023	ND	2.13	106	2.00	0.652		
Toluene*	<0.050	0.050	01/18/2023	ND	2.13	106	2.00	2.33		
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	2.07	103	2.00	1.81		
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.30	105	6.00	1.91		
Total BTEX	<0.300	0.300	01/18/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/17/2023	ND	196	98.1	200	0.251		
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	204	102	200	0.483		
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND						

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 15 2-4' (H230209-24)

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	01/18/2023	ND	2.13	106	2.00	0.652		
Toluene*	<0.050	0.050	01/18/2023	ND	2.13	106	2.00	2.33		
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	2.07	103	2.00	1.81		
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.30	105	6.00	1.91		
Total BTEX	<0.300	0.300	01/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	01/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/17/2023	ND	196	98.1	200	0.251		
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	204	102	200	0.483		
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND						

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 16 0-2' (H230209-25)

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	01/18/2023	ND	2.13	106	2.00	0.652	
Toluene*	<0.050	0.050	01/18/2023	ND	2.13	106	2.00	2.33	
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	2.07	103	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.30	105	6.00	1.91	
Total BTEX	<0.300	0.300	01/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	240	16.0	01/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2023	ND	196	98.1	200	0.251	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	204	102	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 17 0-2' (H230209-26)

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	01/18/2023	ND	2.13	106	2.00	0.652		
Toluene*	<0.050	0.050	01/18/2023	ND	2.13	106	2.00	2.33		
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	2.07	103	2.00	1.81		
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.30	105	6.00	1.91		
Total BTEX	<0.300	0.300	01/18/2023	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	2440	16.0	01/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/17/2023	ND	196	98.1	200	0.251		
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	204	102	200	0.483		
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND						

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 17 2-4' (H230209-27)

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	01/18/2023	ND	2.13	106	2.00	0.652		
Toluene*	<0.050	0.050	01/18/2023	ND	2.13	106	2.00	2.33		
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	2.07	103	2.00	1.81		
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.30	105	6.00	1.91		
Total BTEX	<0.300	0.300	01/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	1620	16.0	01/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/17/2023	ND	161	80.7	200	1.71		
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	182	90.8	200	5.92		
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND						

Surrogate: 1-Chlorooctane 57.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.9 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/16/2023	Sampling Date:	01/13/2023
Reported:	01/19/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 17 4.5' (H230209-28)

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	01/18/2023	ND	2.13	106	2.00	0.652	
Toluene*	<0.050	0.050	01/18/2023	ND	2.13	106	2.00	2.33	
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	2.07	103	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.30	105	6.00	1.91	
Total BTEX	<0.300	0.300	01/18/2023	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	1340	16.0	01/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2023	ND	161	80.7	200	1.71	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	182	90.8	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 57.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.6 % 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

Notes and Definitions

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

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

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>Advance Energy Partners</u> Project Manager: <u>Andrew Parker</u> Address: <u>On-File</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: <u>20220907-1751-dc</u> Project Location: <u>Daguer State A Park</u> Sampler Name: <u>Texas Palomares</u>		BILL TO P.O. #: <u>20220907-1751-dc</u> Company: <u>Advance Energy Partners</u> Attn: <u>aparker@advance.com</u> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
FOR LAB USE ONLY Lab I.D. _____ Sample I.D. _____ 1830309		MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER: _____ PRESERV: ACID/BASE, ICE / COOL, OTHER: _____ DATE: _____ TIME: _____ SAMPLING: _____	
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 analysis. 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.		ANALYSIS REQUEST Chloride ✓ TPH (GRO+Dro+Mro) ✓ BTEX (Benzene) ✓	
Relinquished By: <u>[Signature]</u> Date: <u>01-16-2023</u> Relinquished By: <u>[Signature]</u> Date: <u>0913</u> Received By: <u>[Signature]</u> Date: _____ Time: _____		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____ REMARKS: _____	
Delivered By: (Circle One) <input type="checkbox"/> UPS <input type="checkbox"/> Bus <input type="checkbox"/> Other: _____ Observed Temp. °C: <u>-2.8</u> Corrected Temp. °C: <u>-3.4</u> Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: <u>[Signature]</u> (Initials) _____ Turnaround Time: _____ Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #113 Correction Factor -0.6°C Bacteria (only) <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Sample Condition: _____ Observed Temp. °C: _____ Corrected Temp. °C: _____		Cardiac 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>Advance Energy Partners</u> Project Manager: <u>Andrew Paker</u> Address: <u>On-File</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: <u>20220907-1751-dc</u> Project Location: <u>Daguer State A Pad</u> Sampler Name: <u>Jesus Palomares</u>		BILL TO P.O. # <u>20220907-1751-dc</u> Company: <u>Advance Energy Partners</u> Attn: <u>apaker@amerenergy.com</u> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____		ANALYSIS REQUEST	
Lab I.D. <u>H330309</u> Sample I.D. _____		(G)RAB OR (C)OMP. _____ # CONTAINERS <u>1</u> MATRIX GROUNDWATER _____ WASTEWATER _____ SOIL <input checked="" type="checkbox"/> _____ OIL _____ SLUDGE _____ OTHER: _____	PRESERV. _____ ACID/BASE: _____ ICE / COOL _____ OTHER: _____	DATE <u>01-13-2023</u> TIME <u>10:13</u>	SAMPLING <u>Chloride</u> <u>TPH (GRO+DRO+MRO)</u> <u>BTEX (Benzene)</u>
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 analysis. 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.		CS-09 <u>0-2ft</u> CS-10 <u>0-2ft</u> CS-10 <u>2-4ft</u> CS-10 <u>4.5ft</u> CS-11 <u>0-2ft</u> CS-12 <u>0-2ft</u> CS-12 <u>2-4ft</u> CS-13 <u>0-2ft</u> CS-13 <u>2-4ft</u> CS-14 <u>0-2ft</u>	↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
Relinquished By: <u>[Signature]</u> Date: <u>01-16-2023</u>		Received By: <u>[Signature]</u> Date: <u>01-13-2023</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____ REMARKS: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____		Observed Temp. °C <u>-28</u> Corrected Temp. °C <u>3.4</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacteria (only) <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: <u>[Signature]</u> (Initials) <u>VP</u>	Turndown Time: _____ Thermometer ID #113 Correction Factor -0.6°C Standard <input checked="" type="checkbox"/> <u>Rush</u> Bacteria (only) <input type="checkbox"/> Yes <input type="checkbox"/> No Sample Condition <input type="checkbox"/> Observed Temp. °C _____ Corrected Temp. °C _____

† 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: Advance Energy Partners
 Project Manager: Andrew Parker
 Address: Ga-File
 City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____
 Project #: _____ Project Owner: _____
 Project Name: 20220907-1751-d
 Project Location: Daguer State A Pad
 Sampler Name: Jesus Palomares
 P.O. # 20220907-1751-d
 Company: Advance Energy Partners
 Attn: aparker@amrester.com
 Address: _____ City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
<u>H230209</u>												
<u>21</u>	<u>CS-14</u>	<u>G</u>	<u>1</u>						<u>01-13-2023</u>	<u>12:34</u>		<u>Chloride</u>
<u>22</u>	<u>CS-14</u>	<u>1</u>								<u>12:51</u>		<u>TPH (GRO+DRO+MRO)</u>
<u>23</u>	<u>CS-15</u>	<u>1</u>								<u>13:07</u>		<u>BTEX (Benzene)</u>
<u>24</u>	<u>CS-15</u>	<u>1</u>								<u>13:27</u>		
<u>25</u>	<u>CS-16</u>	<u>1</u>								<u>13:40</u>		
<u>26</u>	<u>CS-17</u>	<u>1</u>								<u>13:55</u>		
<u>27</u>	<u>CS-17</u>	<u>1</u>								<u>14:09</u>		
<u>28</u>	<u>CS-17</u>	<u>1</u>								<u>14:32</u>		

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.

Relinquished By: [Signature]
 Date: 01-16-2023
 Received By: [Signature]
 Date: 0912
 Time: _____

Delivered By: (Circle One) UPS
 Observed Temp. °C: -2.8
 Corrected Temp. °C: -3.4
 Sample Condition: Cool Intact
 Checked By: [Signature]
 Turnaround Time: Standard
 Bacteria (only) Sample Condition: Cool Intact
 Observed Temp. °C: _____
 Corrected Temp. °C: _____

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

REMARKS: cooler temp checks 0.4°C



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

January 26, 2023

ANDREW PARKER

ADVANCE ENERGY PARTNERS

11490 WESTHEIMER ROAD, STE. 950

HOUSTON, TX 77077

RE: DAGGER STATE A PAD

Enclosed are the results of analyses for samples received by the laboratory on 01/20/23 15:58.

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, flowing "C" at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/20/2023	Sampling Date:	01/20/2023
Reported:	01/26/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 06.1 0FT (H230315-01)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2023	ND	1.87	93.6	2.00	14.0	
Toluene*	<0.050	0.050	01/24/2023	ND	1.94	96.9	2.00	14.7	
Ethylbenzene*	<0.050	0.050	01/24/2023	ND	1.88	94.2	2.00	14.3	
Total Xylenes*	<0.150	0.150	01/24/2023	ND	5.83	97.1	6.00	14.2	
Total BTEX	<0.300	0.300	01/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/23/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2023	ND	225	113	200	1.46	
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	216	108	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 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:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received:	01/20/2023	Sampling Date:	01/20/2023
Reported:	01/26/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE A PAD	Sampling Condition:	Cool & Intact
Project Number:	20220907-1751-DC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: CS - 06.2 OFT (H230315-02)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2023	ND	1.87	93.6	2.00	14.0	
Toluene*	<0.050	0.050	01/24/2023	ND	1.94	96.9	2.00	14.7	
Ethylbenzene*	<0.050	0.050	01/24/2023	ND	1.88	94.2	2.00	14.3	
Total Xylenes*	<0.150	0.150	01/24/2023	ND	5.83	97.1	6.00	14.2	
Total BTEX	<0.300	0.300	01/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/23/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2023	ND	225	113	200	1.46	
DRO >C10-C28*	<10.0	10.0	01/23/2023	ND	216	108	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	01/23/2023	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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

Notes and Definitions

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

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

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 180646

CONDITIONS

Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 11490 Westheimer Rd., Ste 950 Houston, TX 77077	OGRID: 372417
	Action Number: 180646
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please implement 19.15.29.13 NMAC when completing P&A.	2/16/2023