

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 | NCH1903862333 |
| District RP | 1RP-5350 |
| Facility ID | |
| Application ID | pCH1903862671 |

Release Notification

Responsible Party

| | |
|---|---|
| Responsible Party: Advance Energy Partners Hat Mesa, LLC | OGRID: 372417 |
| Contact Name: David Harwell | Contact Telephone: 832-672-4604 |
| Contact email: DHarwell@advanceenergypartners.com | Incident # NCH1903862333 AO 6 501H @ 30-025-45026 |
| Contact mailing address: 11490 Westheimer Rd. STE 950, Houston, TX 77077 | |

Location of Release Source

Latitude N 32.41557 _____ Longitude W 103.60359 _____
(NAD 83 in decimal degrees to 5 decimal places)

| | |
|--|----------------------|
| Site Name: AO 6 501H | Site Type: Well Site |
| Date Release Discovered: Feb. 6, 2019 (9:00) | API# 30-025-45026 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|------------|
| P | 6 | 22 S. | 33 E. | Lea County |

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): 220 | Volume Recovered (bbls) 200 |
| Treated PW | 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

During flowback operations a valve on frac was left open by a vacuum truck driver. Water was later transferred into the tank and leaked from open valve. Water was found on location. Valve was closed on frac tank and water on location was immediately withdrawn by vac truck. 200 bbls were recovered.

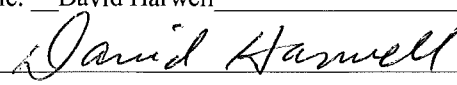
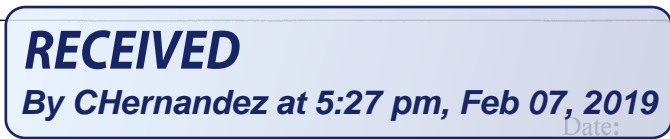
State of New Mexico
Oil Conservation Division

| | |
|----------------|--|
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| | |
|--|---|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? Release was greater than 25 bbls of produced water. |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Email at 8:30 2/7/2019 Email to NMOCD christna.hernandez@state.nm.us , Bradford.Billings@state.nm.us SLO rmann@slo.state.nm.us | |

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: The release was in silty sand surface soils. Free standing liquid quickly soaked into the sand. Within 15 hours, removal of surface soils within the upper 2-feet of soil column along the east-west extent of the release was excavated and temporarily stockpiled. Near surface soils along north-south release extent, which is along a buried pipeline, was excavated to a depth of a few inches. A one-call is in progress and excavation of impacted soil will resume within the next few days. [SEE ATTACHED MAP] Release characterization and remediation will occur under NMAC 19.15.29. | |
| 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>David Harwell</u> | Title: <u>Vice President</u> |
| Signature: <u></u> | Date: <u>Feb. 7, 2019</u> |
| email: <u>DHarwell@advanceenergypartners.com</u> | Telephone: <u>832-672-4604</u> |
| OCD Only Received by: <u></u> | |

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| District RP | 1RP-5350 |
| Facility ID | |
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Site Assessment/Characterization

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

| | |
|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release? <u>Plate 2</u> | <u>404</u> (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? <u>Plate 4</u> | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? <u>Plate 4</u> | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? <u>Plate 5</u> | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? <u>Plate 3</u> | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? <u>Plate 3</u> | <input 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 6</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 3</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.

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

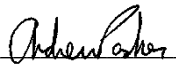
- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile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

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

Oil Conservation Division

| | |
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Printed Name: Andrew ParkerTitle: Env. ScientistSignature: Date: February 04, 2021email: aparker@advanceenergypartners.comTelephone: 970-570-9535**OCD Only**

Received by: _____

Date: _____

| | |
|----------------|---------------|
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Remediation Plan

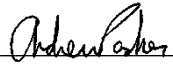
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

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

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

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

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

Printed Name: Andrew ParkerTitle: Env. ScientistSignature: Date: February 4, 2021email: aparker@advanceenergypartners.comTelephone: 970-570-9535**OCD Only**

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____

Date: _____



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

February 4, 2021

RE:

Revised Characterization & Remediation Workplan
Incident ID: nCH1903862333
AEP #: 02062019-0900-dc
Location: AO6 501H

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

NMOCD:

Advance Energy Partners Hat Mesa LLC (Advance Energy) submits this revised characterization report and proposed workplan for the above referenced incident. The original characterization and deferral request was submitted to NMOCD in March 2019. Portions of this revised characterization and remediation workplan was extracted from the March 2019 report.

The release occurred on February 06, 2019 from an open valve on a frac tank. During flowback operations the valve on the frac tank was left open by a vacuum truck driver. Flowback water that was later transferred into the frac tank leaked from the open valve. Flowback water was observed on location. The valve on frac tank was closed and the released water on location was immediately removed by a vac truck. Two-hundred barrels (200 bbls) were recovered. Initial volume of release was estimated at 220 barrels, with a net release of 20 bbls.

The release did not impact surface or groundwater and was contained on the active production pad.

Following the removal of free-standing liquid, the upper 10 to 12 inches of the production pad within the release extent was removed and replaced with clean caliche. The graded area as shown in Figure 1, below, shows the western portion of the release extent that was removed and replaced with clean caliche.

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Figure 1: Graded area shows the western half of the release extent that was removed and replaced with clean caliche. Frac tanks are visible photo left. Photo is viewing south-southeast. GPS: 32.4158530 N, -103.6036710 W. Date/Time: 2019-02-08 09:28:16

4 February 2021

Released to Imaging: 7/16/2021 8:39:14 AM

Incident ID: nCH1903862333

AEP #: 02062019-0900-dc

1. Characterization

The following sections address items as described in 19.15.29.11.A, paragraphs 1- 4. Please refer to the C-141 characterization checklist for additional setback criteria and verification (Plates 5-9).

1.1. Site Map

Horizontal extent of the release was determined by visual observations the day of the release and mapped using GPS technology with sub-meter accuracy.

Plate 1 shows the release extent relative to the release extent and soil characterization points, and the AO 6 #501H wellhead (API 30-025-45026). The source of the release is located at Lat: 32.415185, Long: -103.603427. Table 2 shows the GPS coordinates of delineation points.

1.2. Depth to Ground Water

Plate 2 shows the depth to ground water reproduced from Open File Report -95¹ published by Geohydrology Associates, Inc for the Bureau of Land Management (BLM). As shown on Plate 2, depth to water is between 400 to 450 feet below ground surface.

Most recent depth to water data was queried from the USGS and New Mexico Office of the State Engineer (OSE) online databases. Spatial analysis shows the nearest water well (OSE Well CP00854) is approximately 2.4 miles northeast with a depth to water of 600 ft (dated 06/22/1996).

Potentiometric surface calculations indicate that the depth to water is approximately 404 feet below ground surface, where 404 feet = 3629 ft surface elevation – 3225 ft potentiometric surface.

Appendix A are the wells logs for nearby wells.

1.3. Wellhead Protection Area

Plate 3 shows that the release extent is not:

- Within incorporated municipal boundaries or within a defined municipal fresh water well field.
- Within ½-mile private and domestic water sources (wells and springs).
- Within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes
- Within 1000 feet of any other fresh water well or spring

¹ Collection of hydrologic data Eastside Roswell Range EIS area, New Mexico.
<https://geoinfo.nmt.edu/publications/openfile/details.cfm?Volume=95>

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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.
- Within 300 feet of a continuously flowing watercourse or any other significant watercourse.
- 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 pad.

Trench sampling showed the lithology as:

0 - 1 ft : Caliche Pad.

1 – 4.5 : Silty Sand, medium brown, loose.

The lateral and vertical extent of the release was determined by collecting six (6) soil samples at the perimeter of the release extent and three (3) samples within the release extent (Plate 1).

Table 1 summarizes the analytical results, where

- All samples at the perimeter of the release extent exhibit chloride and hydrocarbon concentrations within the upper 4-feet below the most stringent closure criteria listed in Table 1 of 19.15.29 NMAC.
- The three samples within the release extent exhibit TPH, BTEX, and Benzene concentrations within the upper 4-feet below the most stringent closure criteria listed in Table 1 of 19.15.29 NMAC.
- Two samples (Trench 01 & HA-07) within the release extent exhibit chloride concentrations greater than 600 mg/kg in the upper 4-feet. The third sample (HA-06), adjacent to a pooling area, exhibits chloride concentrations below the most stringent closure criteria listed in Table 1 of 19.15.29 NMAC.
- All three samples within the release extent exhibit chloride concentrations at 4.5-feet below ground surface below Table 1 of 19.15.29 NMAC closure criteria where depth to water is greater than 100 ft.

Laboratory Certificate of Analysis is located in Appendix B.

4 February 2021

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2. Remediation Workplan

Characterization sampling identifies chloride as the constituent of concern. Therefore, we will excavate the release extent where field electrical conductivity (EC) readings are <0.20 mS/cm, or to a depth of 4.1-feet if EC readings are >0.20 mS/cm. An EC <0.20 mS/cm correlates with a chloride concentration <600 mg/kg ($R^2=0.957$). If base confirmation samples exceed Table 1 of 19.15.29 NMAC Closure Criteria at 4.1-feet bgs where depth to water is >100 ft, we will submit a revised remediation workplan or continue to excavate until constituents are below closure criteria.

A 5-point composite confirmation base sample will be collected from each sample grid for confirmation sampling. Five-point composite sample points will be evenly spaced within each sample grid to obtain a representative sample of base grid area (Figure 2, below). Each discrete sample point that comprises the five-point composite will be representative of 200 square feet.

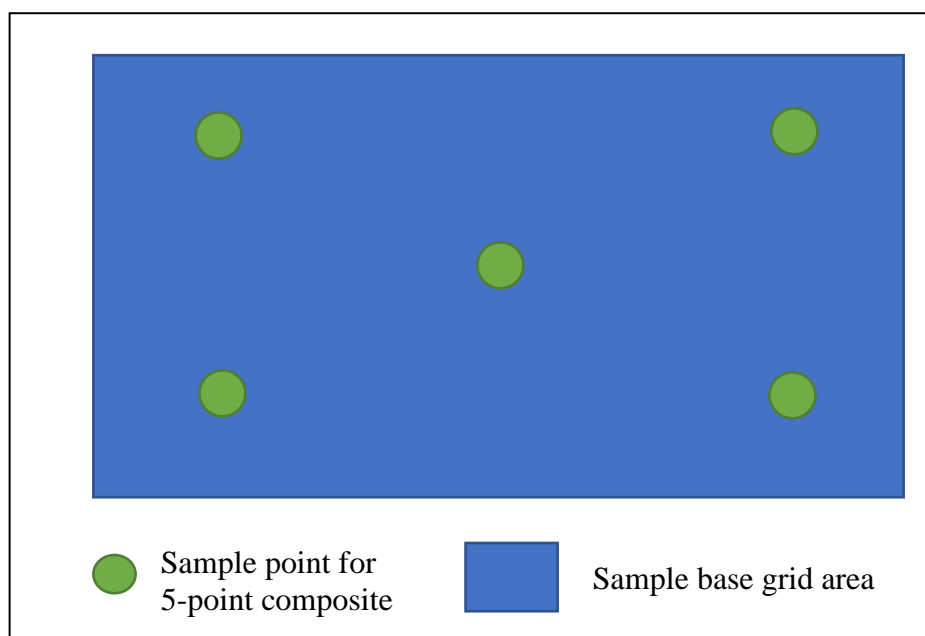


Figure 2: Example of 5-point sample grid for base composite sampling.

Plate 10 shows the proposed base sample grid for confirmation sampling. Each sample grid shall not exceed 1,000 square feet; with an average sample grid area of 954 square feet.

Five-point composite soil samples will be collected along the walls of the excavation extent. Sample points for the composite wall sample will be evenly distributed along the wall to obtain a representative 5-point composite sample not to represent an area greater than 200 sq. ft. Samples will be collected from the surface to 4-feet or excavation base depth, whichever is less.

Base and wall samples will be analyzed for chloride, TPH, BTEX, and Benzene.

4 February 2021

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Estimated volume of soil to be remediated is 2,000 cubic feet. Remediation will begin within 60-days of remediation workplan approval.

Please contact me with any questions at 970-570-9535.

Sincerely,
Advance Energy Partners Hat Mesa, LLC



Andrew Parker
Env. Scientist

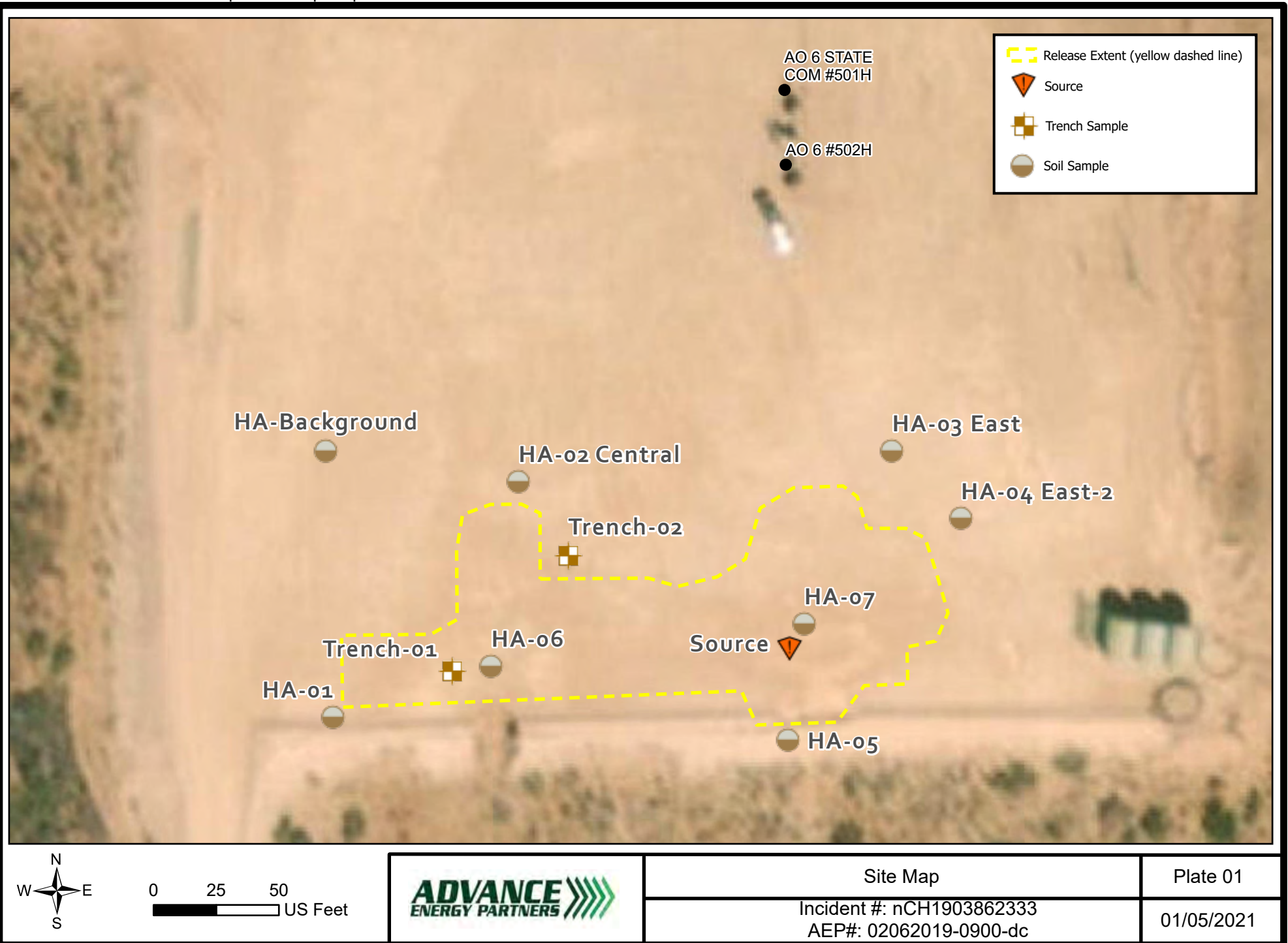
Copy: Braden Harris; Advance Energy Partners Hat Mesa, LLC
Ryan Mann; New Mexico State Land Office

4 February 2021

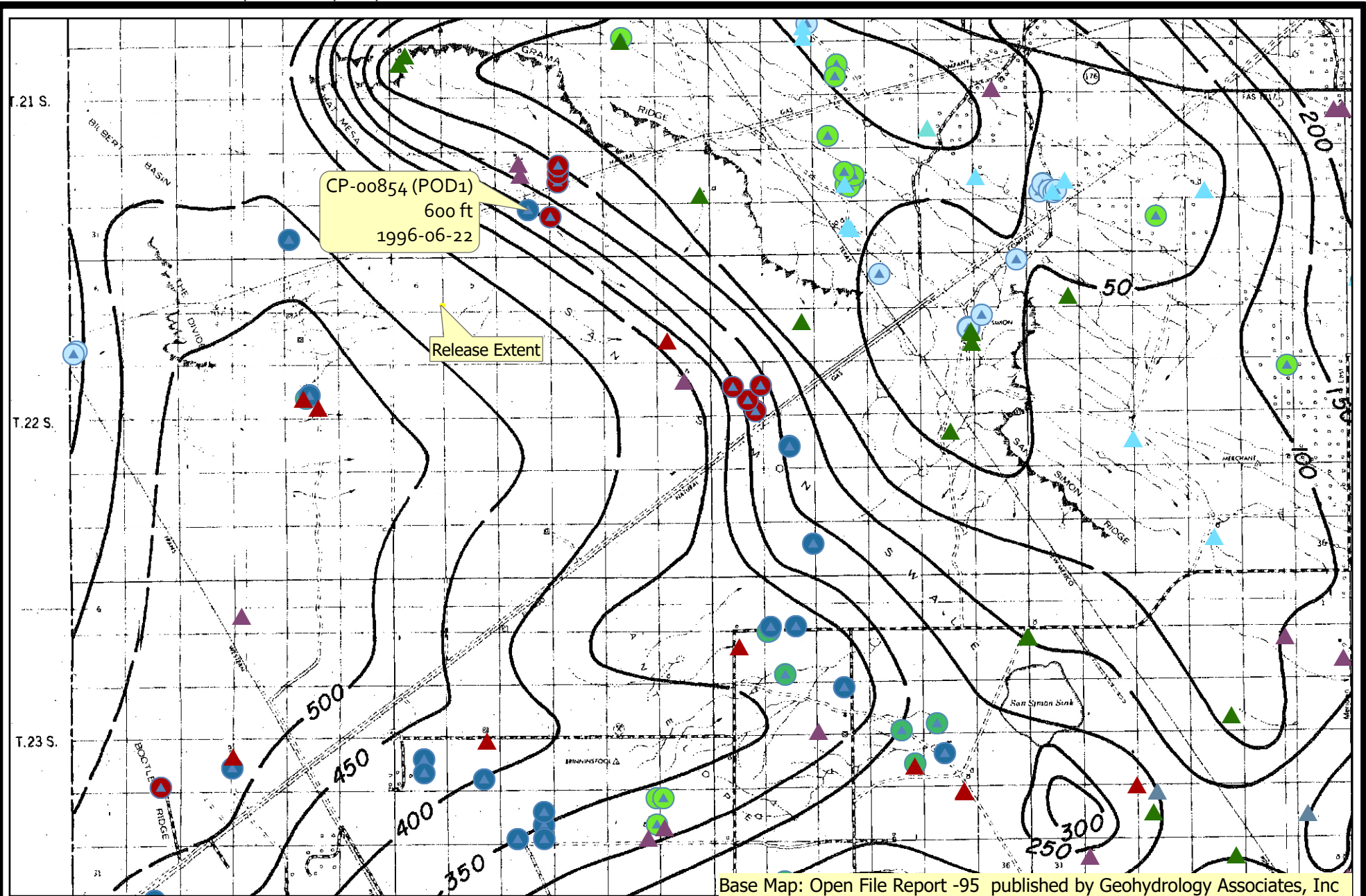
Plates



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0 2 4 Miles

ADVANCE
ENERGY PARTNERS

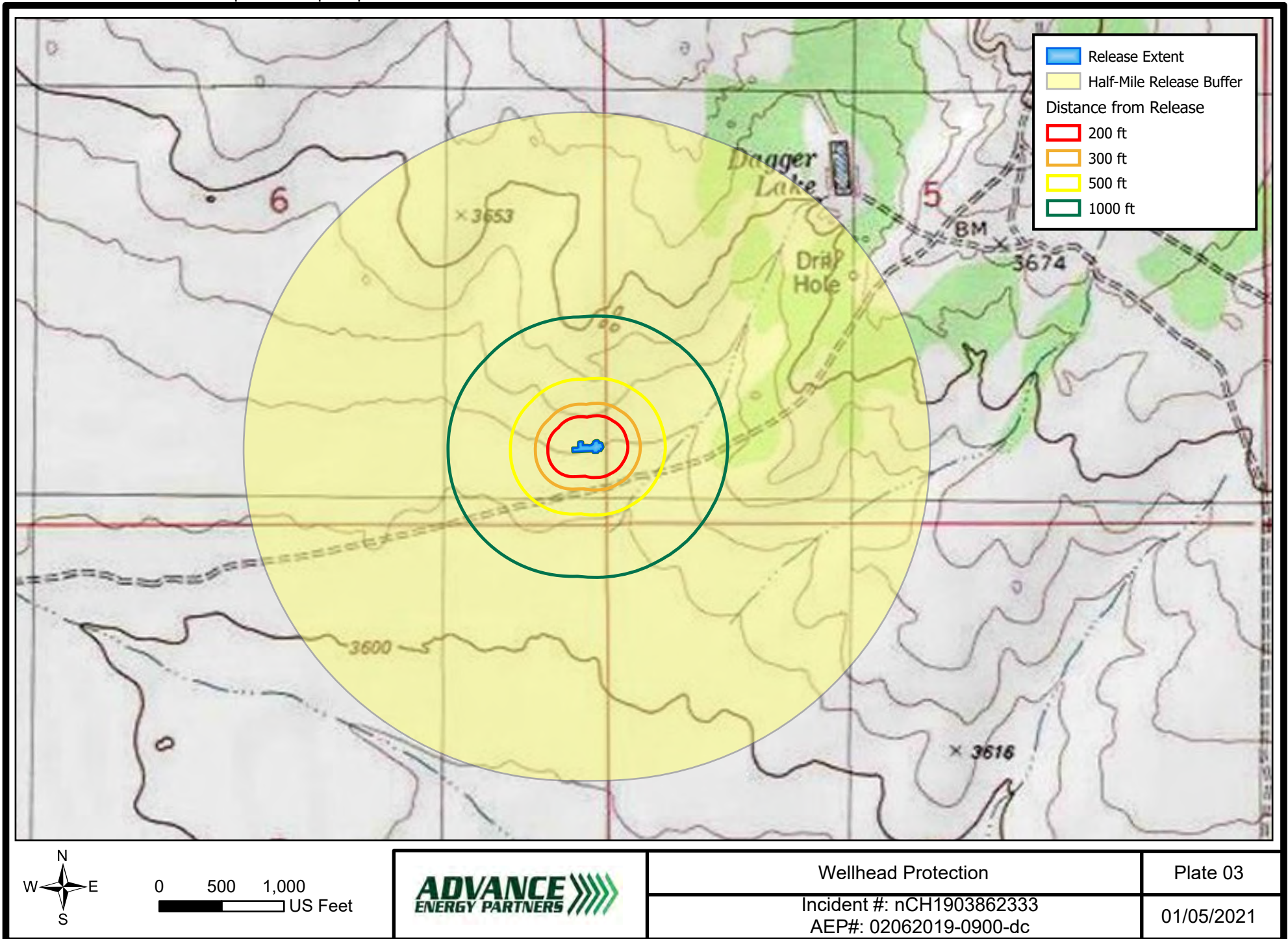
Depth To Water

Incident #: nCH1903862333
AEP#: 02062019-0900-dc

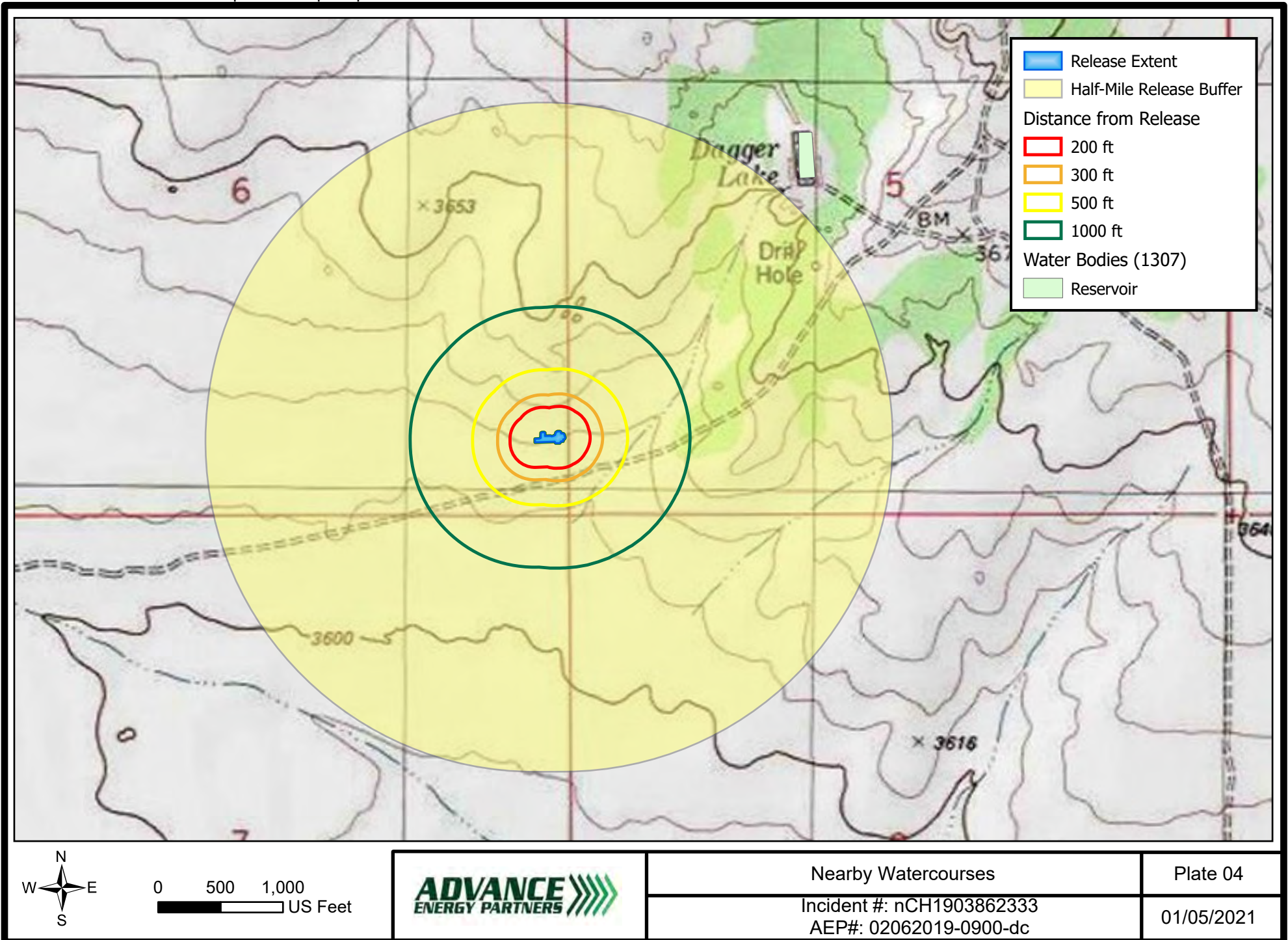
Plate 02

01/05/2021

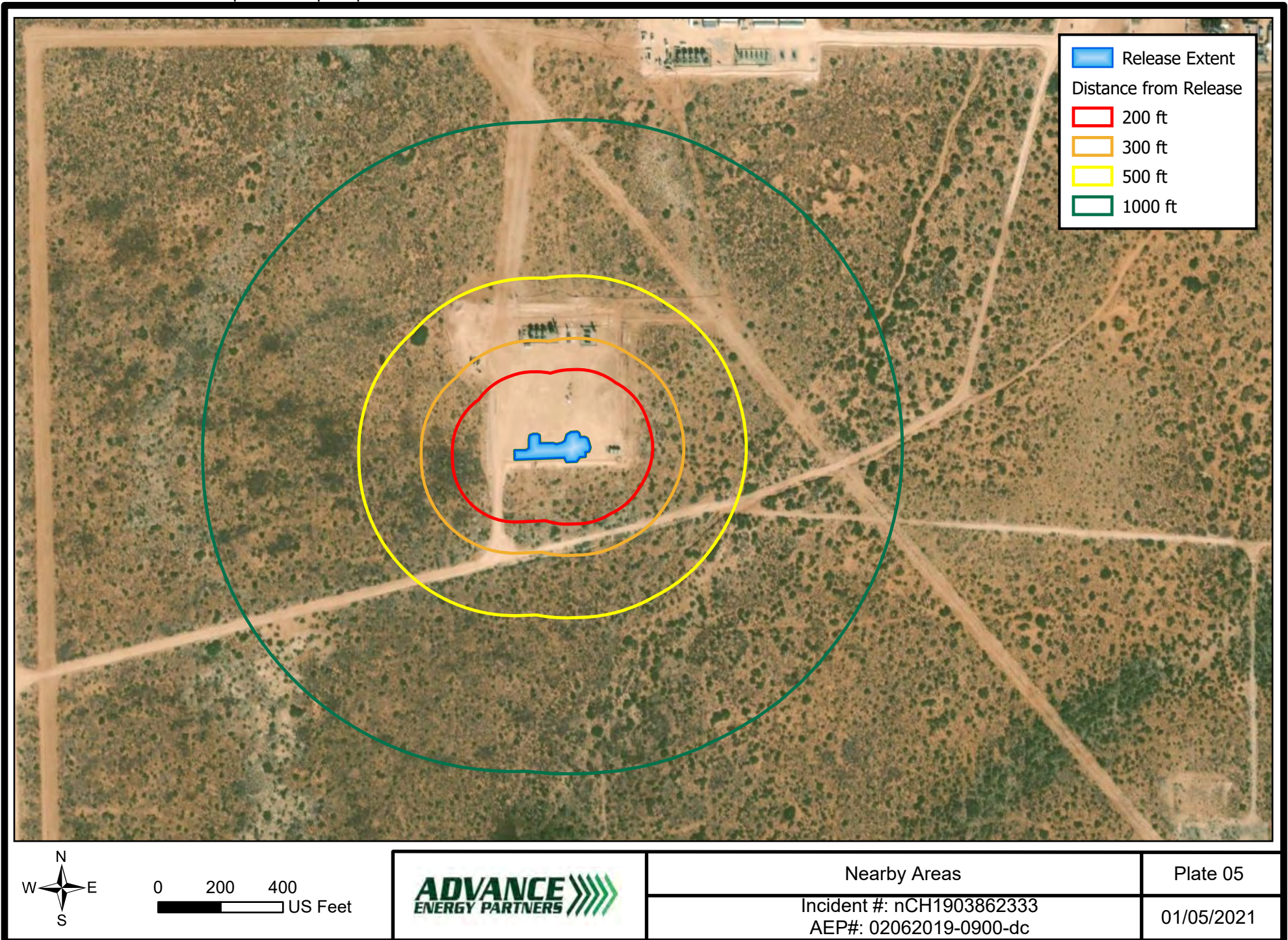
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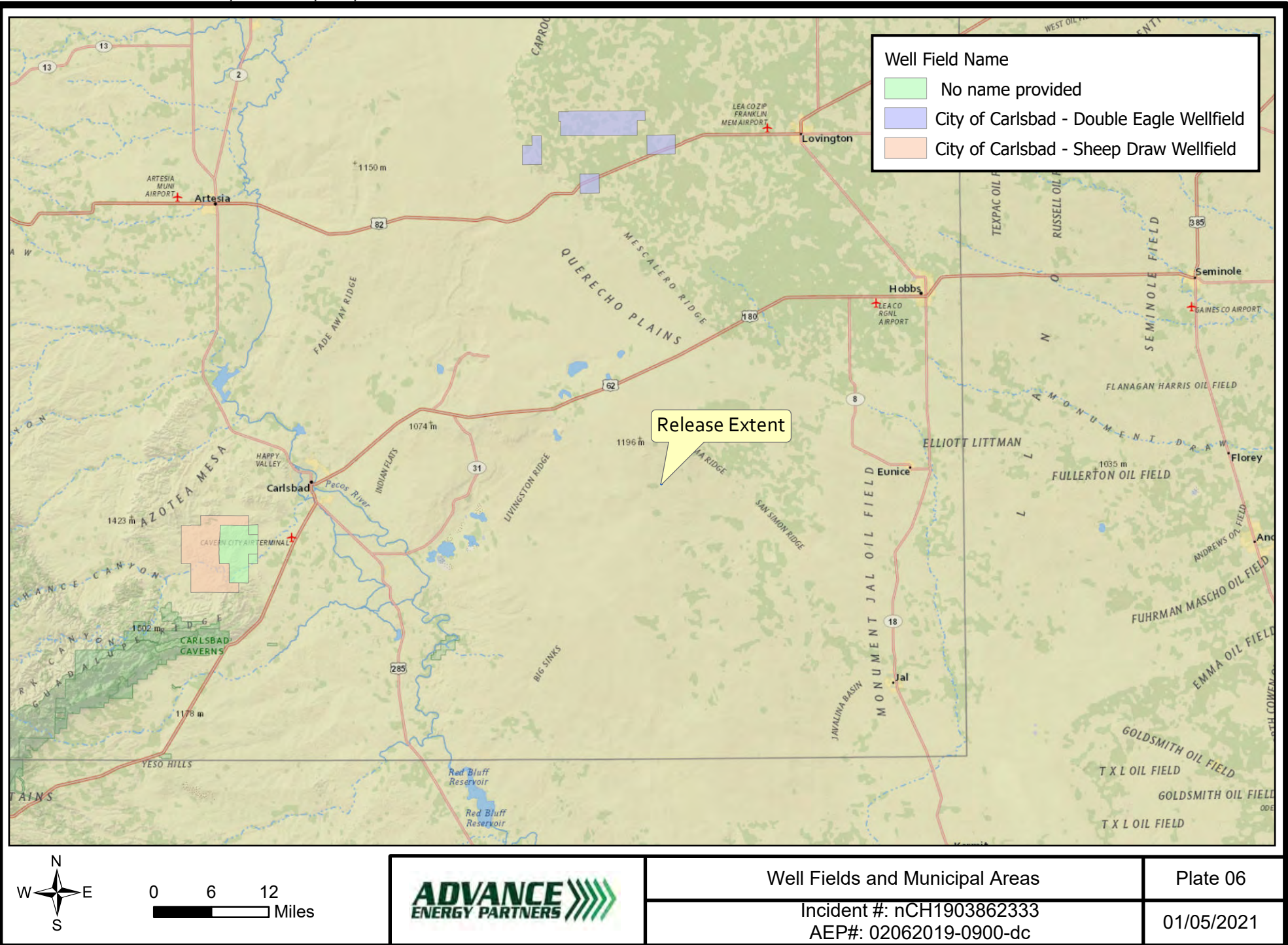
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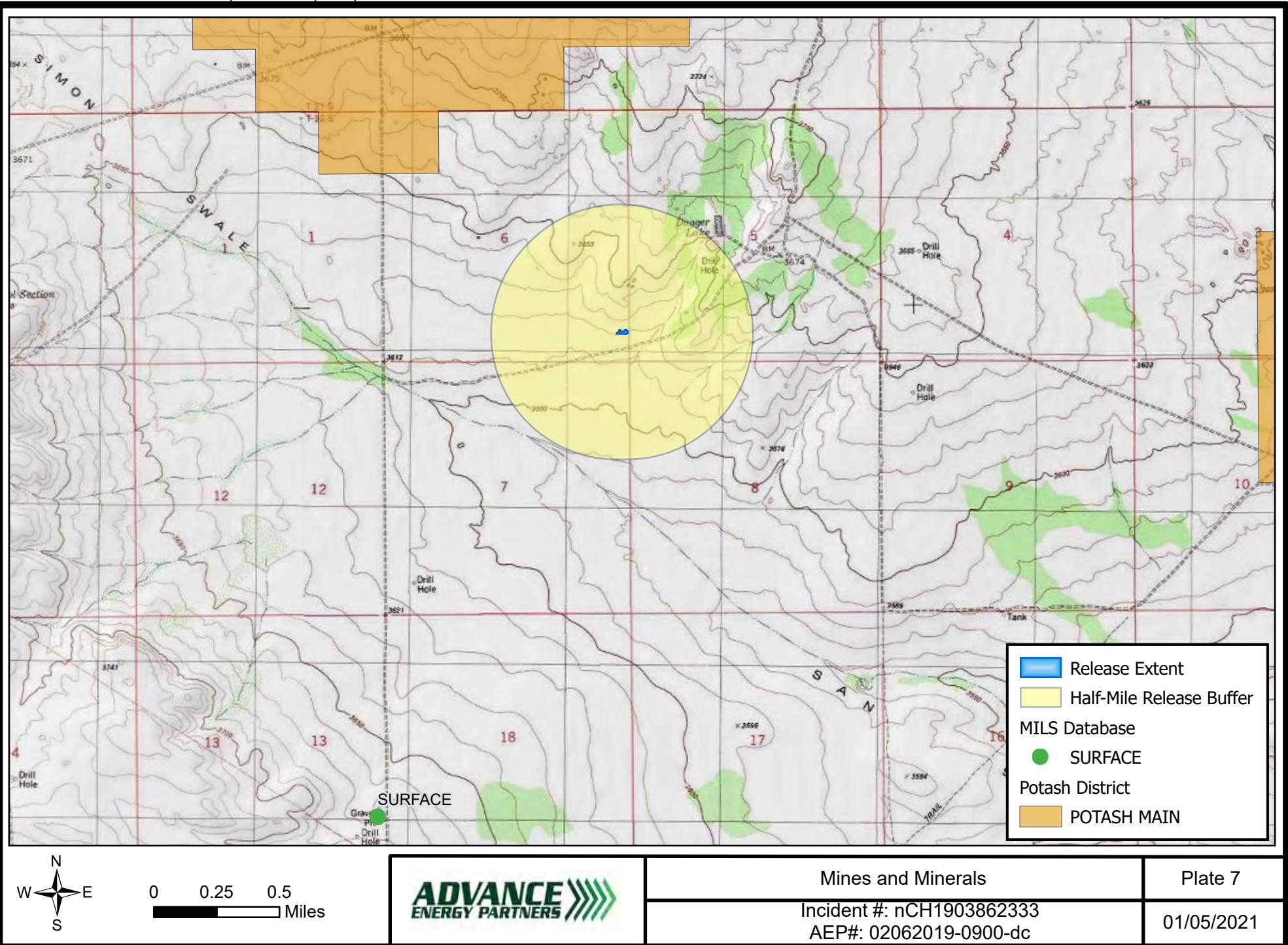
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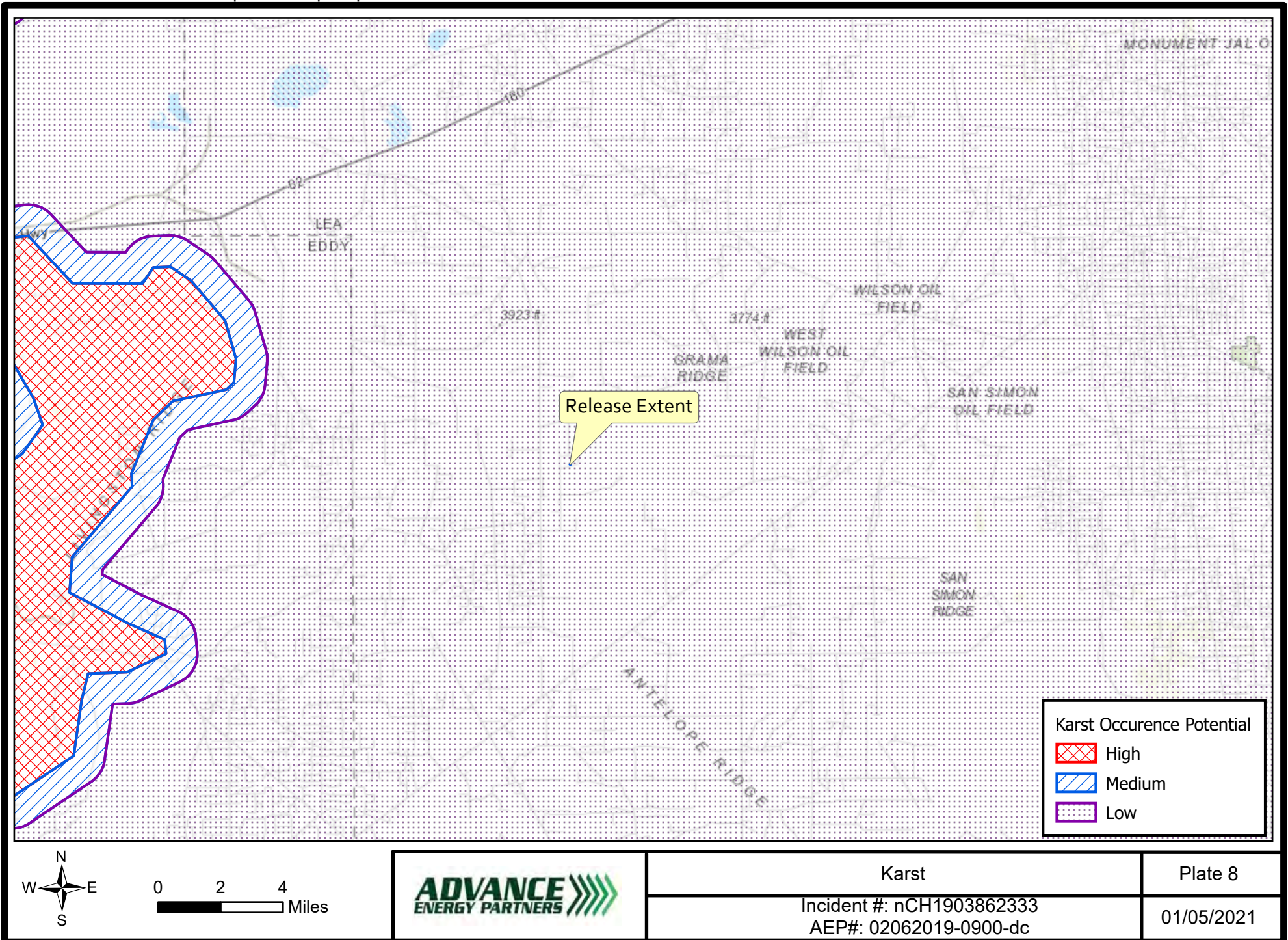
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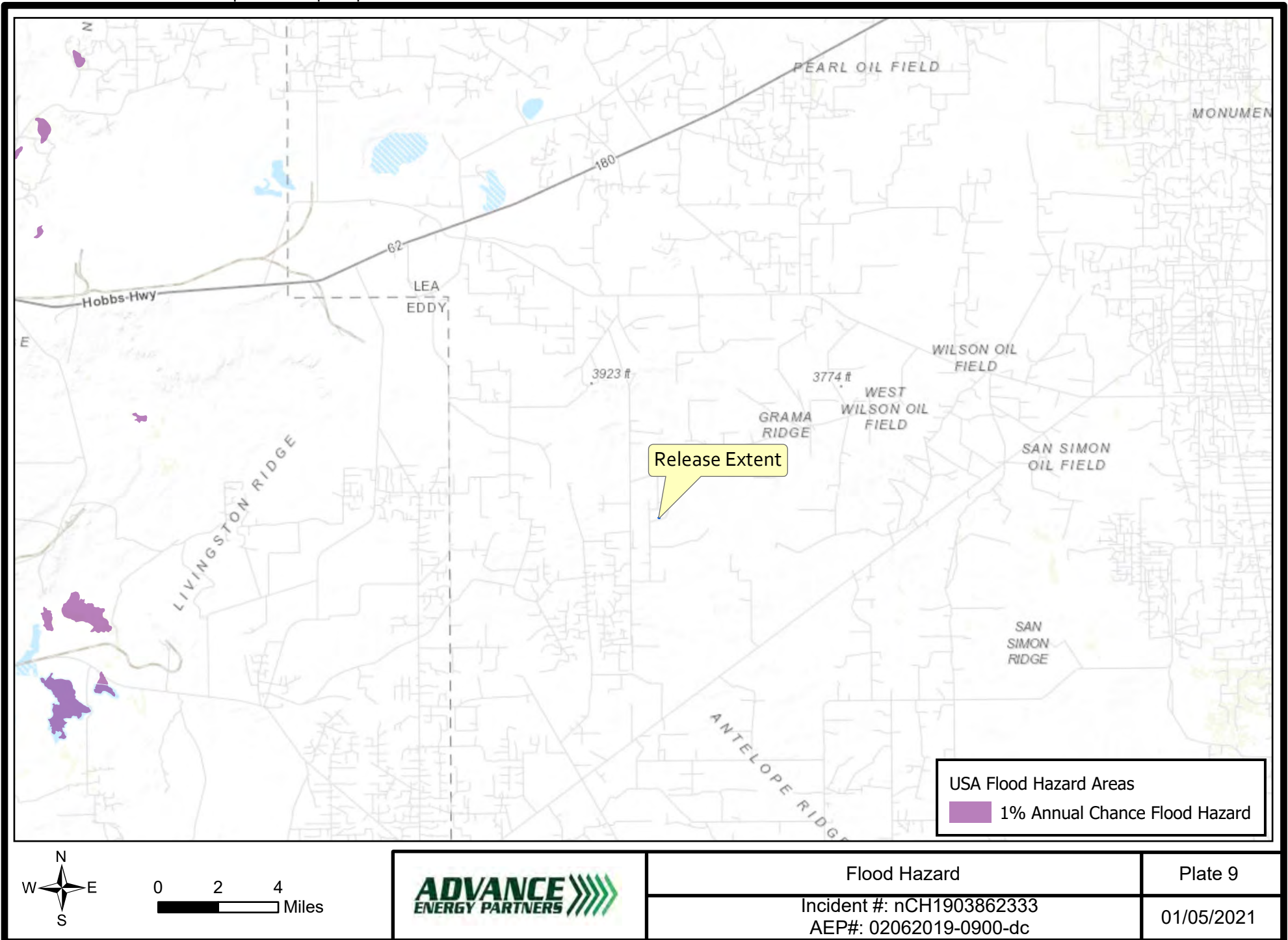
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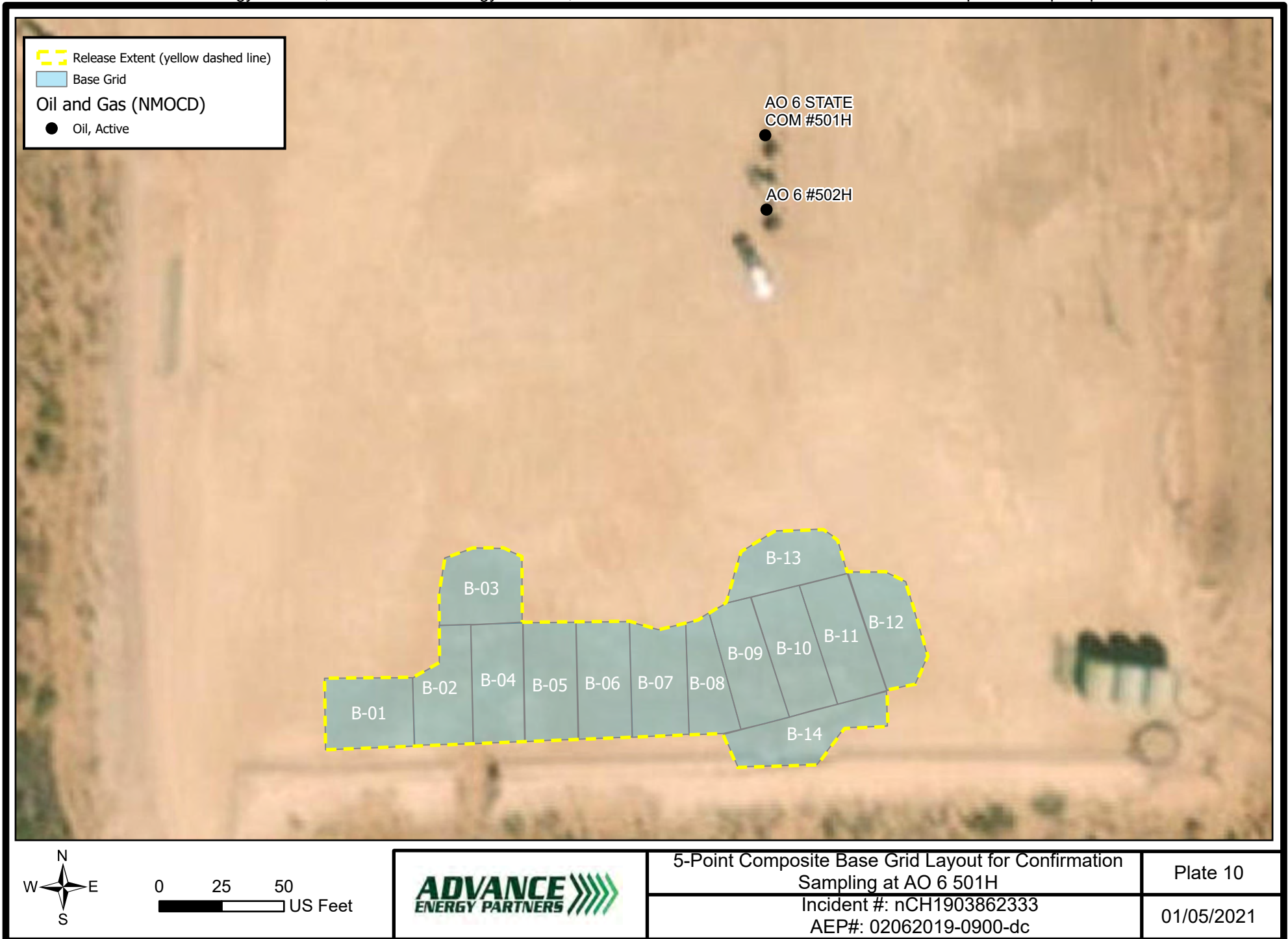
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Tables



Table 1
Characterization Sampling Results

| Sample ID | Date | Matrix (Soil/Water) | Discrete Depth (Feet) | Top Depth (Feet) | Bottom Depth (Feet) | Chloride (PPM) | GRO+DRO (PPM) | TPH Ext. (PPM) | Benzene (PPM) | BTEX (PPM) |
|---------------------------|-----------|------------------------|--------------------------|---------------------|------------------------|-------------------|------------------|-------------------|------------------|---------------|
| NMOCD Limits | | | | | | | | | | |
| 0 - 4 feet & "not in-use" | | | | | | 600 | -- | 2,500 | 10 | 50 |
| > 4 ft or "in-use" | | | | | | 20,000 | 1,000 | 2,500 | 10 | 50 |
| Trench-01 | 2/24/2019 | soil | | 0 | 4 | 2300 | <14.2 | <62.2 | <0.023 | <0.208 |
| Trench-01 | 2/24/2019 | soil | 4.5 | | | <60 | <14.3 | <61.3 | <0.024 | <0.217 |
| Trench-02 | 2/24/2019 | soil | | 0 | 4 | <59 | <14.7 | <64.7 | <0.023 | <0.21 |
| Trench-02 | 2/24/2019 | soil | 4.5 | | | <60 | <14.3 | <62.3 | <0.024 | <0.215 |
| HA-01 | 9/24/2020 | soil | | 0 | 2 | 48 | <20 | <30 | <0.05 | <0.30 |
| HA-01 | 9/24/2020 | soil | | 2 | 4 | 144 | <20 | <30 | <0.05 | <0.30 |
| HA-01 | 9/24/2020 | soil | 4.5 | | | 64 | <20 | <30 | <0.05 | <0.30 |
| HA-02 Central | 9/27/2020 | soil | | 0 | 2 | 64 | <20 | <30 | <0.05 | <0.30 |
| HA-02 Central | 9/27/2020 | soil | | 2 | 4 | <16 | <20 | <30 | <0.05 | <0.30 |
| HA-02 Central | 9/27/2020 | soil | 4.5 | | | <16 | <20 | <30 | <0.05 | <0.30 |
| HA-03 East | 9/29/2020 | soil | | 0 | 2 | 192 | <20 | <30 | <0.05 | <0.30 |
| HA-03 East | 9/29/2020 | soil | | 2 | 4 | <16 | <20 | <30 | <0.05 | <0.30 |
| HA-03 East | 9/29/2020 | soil | 4.5 | | | <16 | <20 | <30 | <0.05 | <0.30 |
| HA-04 East-2 | 9/29/2020 | soil | | 0 | 2 | 32 | <20 | <30 | <0.05 | <0.30 |
| HA-04 East-2 | 9/29/2020 | soil | | 2 | 4 | <16 | <20 | <30 | <0.05 | <0.30 |
| HA-04 East-2 | 9/29/2020 | soil | 4.5 | | | <16 | <20 | <30 | <0.05 | <0.30 |
| HA-05 | 9/30/2020 | soil | | 0 | 2 | 32 | <20 | <30 | <0.05 | <0.30 |
| HA-05 | 9/30/2020 | soil | | 2 | 4 | 80 | <20 | <30 | <0.05 | <0.30 |
| HA-05 | 9/30/2020 | soil | 4.5 | | | 48 | <20 | <30 | <0.05 | <0.30 |
| HA-06 | 9/30/2020 | soil | | 0 | 2 | 48 | <20 | <30 | <0.05 | <0.30 |
| HA-06 | 9/30/2020 | soil | | 2 | 4 | 112 | <20 | <30 | <0.05 | <0.30 |
| HA-06 | 9/30/2020 | soil | 4.5 | | | 224 | <20 | <30 | <0.05 | <0.30 |
| HA-07 | 9/30/2020 | soil | | 0 | 2 | 4480 | <20 | <30 | <0.05 | <0.30 |
| HA-07 | 9/30/2020 | soil | | 2 | 4 | 2880 | <20 | <30 | <0.05 | <0.30 |
| HA-07 | 9/30/2020 | soil | 4.5 | | | 2680 | <20 | <30 | <0.05 | <0.30 |
| Background | 9/30/2020 | soil | | 0 | 2 | 80 | <20 | <30 | <0.05 | <0.30 |
| Background | 9/30/2020 | soil | | 2 | 4 | <16 | <20 | <30 | <0.05 | <0.30 |
| Background | 9/30/2020 | soil | 4.5 | | | <16 | <20 | <30 | <0.05 | <0.30 |

Exceeds Closure Criteria

| Name | Longitude | Latitude |
|---------------|--------------|-------------|
| HA-01 | -103.6040256 | 32.41511906 |
| HA-02 Central | -103.6037842 | 32.41537617 |
| HA-03 East | -103.603301 | 32.41540731 |
| HA-04 East-2 | -103.6032126 | 32.41533242 |
| HA-05 | -103.6034378 | 32.41509052 |
| HA-06 | -103.6038212 | 32.41517394 |
| HA-07 | -103.6034163 | 32.415218 |
| HA-Background | -103.6040333 | 32.41541099 |
| Source | -103.6034361 | 32.41519016 |
| Trench-01 | -103.6038717 | 32.41516824 |
| Trench-02 | -103.6037204 | 32.41529428 |

Appendix A

Well Logs





New Mexico Office of the State Engineer

Point of Diversion Summary

| | | | | | | | | | |
|-----------------|-------------------|------------------------------------|------------|-----------|------------|------------|-----------------------|----------|----------|
| | | (quarters are 1=NW 2=NE 3=SW 4=SE) | | | | | | | |
| | | (quarters are smallest to largest) | | | | | (NAD83 UTM in meters) | | |
| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tws | Rng | X | Y |
| C | 02096 | 2 | 3 | 14 | 22S | 32E | 627204 | 3584464* | |

x

| | | | | | |
|--------------------------|-----------------------------|--------------------|-------------------------|---------------------|----------|
| Driller License: | Driller Company: | | | | |
| Driller Name: | JOHN H. TRIGG CO. | | | | |
| Drill Start Date: | Drill Finish Date: | 12/31/1963 | Plug Date: | | |
| Log File Date: | PCW Rcv Date: | | Source: | | |
| Pump Type: | Pipe Discharge Size: | | Estimated Yield: | 25 GPM | |
| Casing Size: | 7.00 | Depth Well: | 435 feet | Depth Water: | 360 feet |

x

*UTM location was derived from PLSS - see Help

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


4/17/20 3:04 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

| | | | | | | | | | |
|-----------------|-------------------|------------------------------------|------------|-----------|------------|------------|------------|-----------------------|--|
| | | (quarters are 1=NW 2=NE 3=SW 4=SE) | | | | | | (NAD83 UTM in meters) | |
| | | (quarters are smallest to largest) | | | | | | | |
| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tws | Rng | X | Y |
| | C 02821 | 2 | 2 | 3 | 14 | 22S | 32E | 627303 | 3584563*  |

| | |
|-----------------------------|---------------------------|
| x | |
| Driller License: | 1348 |
| Driller Company: | TAYLOR WATER WELL SERVICE |
| Driller Name: | |
| Drill Start Date: | 06/12/2001 |
| Drill Finish Date: | 06/23/2001 |
| Plug Date: | |
| Log File Date: | 10/04/2001 |
| PCW Rcv Date: | |
| Source: | Shallow |
| Pump Type: | |
| Pipe Discharge Size: | |
| Estimated Yield: | 2 GPM |
| Casing Size: | 5.00 |
| Depth Well: | 540 feet |
| Depth Water: | 340 feet |

| | |
|---------------------------------------|---|
| x | |
| Water Bearing Stratifications: | Top Bottom Description |
| | 410 540 Sandstone/Gravel/Conglomerate |

| | |
|-----------------------------|--------------------------|
| x | |
| Casing Perforations: | Top Bottom |
| | 410 430 |
| | 440 540 |

| | |
|---|--|
| x | |
|---|--|

*UTM location was derived from PLSS - see Help

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

4/17/20 3:09 PM

POINT OF DIVERSION SUMMARY

Revised December 1975

IMPORTANT — READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM.

Declaration of Owner of Underground Water Right

CAPITAN BASIN
BASIN NAME

Declaration No. CP-601

Date received April 17, 1979

STATE ENGINEER OFFICE
SANTA FE, N.M. 87501

STATEMENT

1. Name of Declarant THE MERCHANT LIVESTOCK COMPANY
Mailing Address P.O. Box 548 Carlsbad
County of Eddy, State of New Mexico
2. Source of water supply shallow
(artesian or shallow water aquifer)
3. Describe well location under one of the following subheadings:
a. $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Sec. 28 Twp. 21S Rge. 33-E N.M.P.M., in
Lea County.
b. Tract No. _____ of Map No. _____ of the _____
c. X = _____ feet, Y = _____ feet, N. M. Coordinate System _____ Zone
in the _____ Grant.
On land owned by _____
4. Description of well: date drilled 1952 driller _____ depth 2231 feet.
outside diameter of casing 6 5/8 inches; original capacity _____ gal. per min.; present capacity 3
gal. per min.; pumping lift _____ feet; static water level 178 feet (above) (below) land surface;
make and type of pump _____
make, type, horsepower, etc., of power plant _____
Fractional or percentage interest claimed in well 100%
5. Quantity of water appropriated and beneficially used up to 3
(~~acre feet per annum~~) (acre feet per annum)
for stock water purposes.
6. Acreage actually irrigated _____ acres, located and described as follows (describe only lands actually irrigated):

| Subdivision | Sec. | Twp. | Range | Acres Irrigated | Owner |
|-------------|------|------|-------------------|--------------------|-----------------------------------|
| | | | <u>stock only</u> | | <u>The Merchant Livestock Co.</u> |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

(Note: location of well and acreage actually irrigated must be shown on plat on reverse side.)

7. Water was first applied to beneficial use _____ month _____ day _____ year 1952 and since that time
has been used fully and continuously on all of the above described lands or for the above described purposes except
as follows: _____

8. Additional statements or explanations _____

name of well - Standard

I, J. D. Merchant, Jr., President being first duly sworn upon my oath,
depose and say that the above is a full and complete statement prepared in accordance with the instructions on the re-
verse side of this form and submitted in evidence of ownership of a valid underground water right, that I have carefully
read each and all of the items contained therein and that the same are true to the best of my knowledge and belief.

THE MERCHANT LIVESTOCK CO. declarant.by: J. D. Merchant, Jr., President
day of April, A.D. 1979Subscribed and sworn to before me this 12thMy commission expires March 2, 1980

Notary Public

FILED

UNDER NEW MEXICO LAW A DECLARATION IS ONLY A STATEMENT OF DECLARANT'S CLAIM.
ACCEPTANCE FOR FILING DOES NOT CONSTITUTE APPROVAL OR REJECTION OF THE CLAIM.

563298

Locate well and areas actually irrigated as accurately as possible on following plat:

Section (s) _____, Township _____, Range _____ N. M. P. M.

| | | | | | | |
|--|--|--|--|--|--|--|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

INSTRUCTIONS

Declaration shall be executed (preferably typewritten) in triplicate and must be accompanied by a \$1.00 filing fee. Each of triplicate copies must be properly signed and attested.

A separate declaration must be filed for each well in use.

All blanks shall be filled out fully. Required information which cannot be sworn to by declarant shall be supplied by affidavit of person or persons familiar with the facts and shall be submitted herewith.

Secs. 1-3. Complete all blanks.

Sec. 4. Fill out all blanks applicable as fully as possible.

Sec. 5. Irrigation use shall be stated in acre feet of water per acre per year applied on the land. If used for domestic, municipal, or other purposes, state total quantity in acre feet used annually.

Sec. 6. Describe only the acreage actually irrigated. When necessary to clearly define irrigated acreages, describe to nearest $2\frac{1}{2}$ acre subdivision. If located on unsurveyed lands, describe by legal subdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily-located natural object.

Sec. 7. Explain and give dates as nearly as possible of any years when all or part of acreage claimed was not irrigated.

Sec. 8. If well irrigates or supplies supplemental water to any other land than that described above, or if land is also irrigated from any other source, explain under this section. Give any other data necessary to fully describe water right.

If additional space is necessary, use a separate sheet or sheets and attach securely hereto.

SF

EL

*70 APR 20 PM 3 00

April 17, 1979

STATE ENGINEER OFFICE
CARLSBAD, N.M. 81501

Files: CP-584; CP-585; CP-586; CP-587; CP-588;
CP-589; CP-590; CP-591; CP-592; CP-593;
CP-594; CP-595; CP-596; CP-597; CP-598;
CP-599; CP-600; CP-601; CP-602

The Merchant Livestock Company
P. O. Box 548
Carlsbad, NM 88220

Gentlemen:

Enclosed are your copies of Declarations of Owner of Underground Water Right as numbered above, which have been filed for record in the office of the State Engineer.

Please refer to each individual number in all future correspondence concerning these declarations.

The filing of these declarations does not indicate affirmation or rejection of the statements contained therein.

Yours very truly,

J. C. Groseclose
Basin Supervisor

JCG/fh
Encls.
cc: Santa Fe

563298




New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

| | | | | | | | |
|-----------------|-------------------|-------------------|------------|------------|------------|----------|---|
| Well Tag | POD Number | Q64 Q16 Q4 | Sec | Tws | Rng | X | Y |
| CP 00854 | POD1 | 1 1 2 | 33 | 21S | 33E | 633879 | 3590223  |

| | | | | | | | |
|--------------------------|-----------------------------|-----------------------------|----------------------------|-------------------------|----------|--|--|
| Driller License: | 421 | Driller Company: | GLENN'S WATER WELL SERVICE | | | | |
| Driller Name: | GLENN, CLARK A."CORKY" (LD) | | | | | | |
| Drill Start Date: | 06/22/1996 | Drill Finish Date: | 06/22/1996 | Plug Date: | | | |
| Log File Date: | 07/11/1996 | PCW Rcv Date: | 10/17/2013 | Source: | Shallow | | |
| Pump Type: | SUBMER | Pipe Discharge Size: | 2.875 | Estimated Yield: | 100 GPM | | |
| Casing Size: | 6.63 | Depth Well: | 950 feet | Depth Water: | 600 feet | | |

| | | | |
|---------------------------------------|------------|---------------|-------------------------------|
| Water Bearing Stratifications: | Top | Bottom | Description |
| | 755 | 805 | Sandstone/Gravel/Conglomerate |
| | 860 | 890 | Sandstone/Gravel/Conglomerate |

| | | |
|-----------------------------|------------|---------------|
| Casing Perforations: | Top | Bottom |
| | 760 | 950 |

| | | | |
|-----------------------------|-----------------|-----------------------------|-----------|
| Meter Number: | 8514 | Meter Make: | BLANCETT |
| Meter Serial Number: | 040711711 | Meter Multiplier: | 1.0000 |
| Number of Dials: | 7 | Meter Type: | Diversion |
| Unit of Measure: | Barrels 42 gal. | Return Flow Percent: | |
| Usage Multiplier: | | Reading Frequency: | Quarterly |

Meter Readings (in Acre-Feet)

| Read Date | Year | Mtr Reading | Flag | Rdr | Comment | Mtr Amount |
|------------|------|-------------|------|-----|-----------------|------------|
| 03/15/2004 | 2004 | 121 | A | jw | | 0 |
| 03/29/2004 | 2004 | 69871 | A | jw | | 0 |
| 05/17/2004 | 2004 | 8758 | A | jw | | 2.651 |
| 06/11/2004 | 2004 | 79641 | A | jw | | 2.998 |
| 01/27/2012 | 2012 | 18062553 | A | RPT | Initial reading | 0 |
| 03/01/2012 | 2012 | 19039807 | A | RPT | | 2.999 |
| 05/29/2013 | 2013 | 179696 | A | RPT | initial reading | 0 |
| 10/07/2013 | 2013 | 460774 | A | RPT | Qtr IV 2013 | 36.229 |
| 11/11/2013 | 2013 | 540326 | A | RPT | | 10.254 |
| 01/01/2014 | 2013 | 614283 | A | RPT | | 9.533 |
| 10/01/2014 | 2014 | 1122654 | A | RPT | | 65.526 |
| 01/01/2015 | 2014 | 1212343 | A | RPT | | 11.560 |
| 03/31/2015 | 2015 | 1307063 | A | RPT | | 12.209 |
| 06/27/2015 | 2015 | 1369556 | A | RPT | | 8.055 |

Meter Readings (in Acre-Feet)

| Read Date | Year | Mtr Reading | Flag | Rdr Comment | Mtr Amount |
|------------|------|-------------|------|-----------------|------------|
| 09/30/2015 | 2015 | 1371471 | A | RPT | 0.247 |
| 10/22/2015 | 2015 | 1400502 | A | RPT | 3.742 |
| 11/30/2015 | 2015 | 1400502 | A | RPT | 0 |
| 04/28/2016 | 2016 | 1464116 | A | RPT "JD33 Well" | 8.199 |
| 06/01/2016 | 2016 | 1464116 | A | RPT | 0 |
| 07/27/2016 | 2016 | 1496980 | A | RPT JD33 Well | 4.236 |
| 09/01/2016 | 2016 | 1510835 | A | RPT JD 33 Well | 1.786 |
| 09/30/2016 | 2016 | 1517146 | A | RPT | 0.813 |
| 10/31/2016 | 2016 | 1531178 | A | RPT JD 33 well | 1.809 |
| 11/29/2016 | 2016 | 1553285 | A | RPT JD33 Well | 2.849 |
| 03/01/2017 | 2017 | 1583100 | A | RPT | 3.843 |

| **YTD Meter Amounts: | Year | Amount |
|-----------------------------|-------------|---------------|
| | 2004 | 5.649 |
| | 2012 | 2.999 |
| | 2013 | 56.016 |
| | 2014 | 77.086 |
| | 2015 | 24.253 |
| | 2016 | 19.692 |
| | 2017 | 3.843 |



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters)

| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tws | Rng | X | Y |
|----------|------------|-----|-----|----|-----|-----|-----|--------|---------|
| CP 01349 | POD1 | 2 | 3 | 1 | 27 | 21S | 33E | 635304 | 3591576 |

| | | | |
|---|--|------------------------------|--|
| Driller License: 421 | Driller Company: GLENN'S WATER WELL SERVICE | | |
| Driller Name: GLENN, CLARK A."CORKY" | | | |
| Drill Start Date: 07/12/2014 | Drill Finish Date: 07/18/2014 | Plug Date: | |
| Log File Date: 08/04/2014 | PCW Rcv Date: | Source: Artesian | |
| Pump Type: | Pipe Discharge Size: | Estimated Yield: | |
| Casing Size: 7.00 | Depth Well: 1188 feet | Depth Water: 572 feet | |

| Water Bearing Stratifications: | Top | Bottom | Description |
|--------------------------------|-----|--------|-------------------------------|
| | 990 | 1188 | Sandstone/Gravel/Conglomerate |

| Casing Perforations: | Top | Bottom |
|----------------------|-----|--------|
| | 721 | 1188 |

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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
SOSWELL, NEW MEXICO



2014 SEP 10 PM 2:15

| | | | | | | | | |
|---|---|------------------------|---|--|--|---|---|--------------------|
| 1. GENERAL AND WELL LOCATION | OSE POD NUMBER (WELL NUMBER) CP-1355 (East Standard South) *** Revised 09/09/14 *** | | | | OSE FILE NUMBER(S) | | | |
| | WELL OWNER NAME(S) Merchants/Glenn's Water Well Service, Inc. | | | | PHONE (OPTIONAL) 575-398-2424 | | | |
| | WELL OWNER MAILING ADDRESS P. O. Box 692 | | | | CITY Tatum | | STATE NM | ZIP 88267 |
| | WELL LOCATION (FROM GPS) | DEGREES LATITUDE 32 | MINUTES 26 | SECONDS 54.8 N | * ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84 | | | |
| | | LONGITUDE 103 | 33 | 58.3 W | | | | |
| DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE1/4NW1/4SW1/4 Section 27, Township 21 South, Range 33 East on Merchants Livestock Land | | | | | | | | |
| 2. DRILLING & CASING INFORMATION | LICENSE NUMBER WD 421 | | NAME OF LICENSED DRILLER Corky Glenn | | | NAME OF WELL DRILLING COMPANY Glenn's Water Well Service, Inc. | | |
| | DRILLING STARTED 07/22/14 | | DRILLING ENDED 07/29/14 | | DEPTH OF COMPLETED WELL (FT) 1,192' | | BORE HOLE DEPTH (FT) 1,192' | |
| | | | | | | | DEPTH WATER FIRST ENCOUNTERED (FT) 925' | |
| | COMPLETED WELL IS: <input checked="" type="radio"/> ARTESIAN <input type="radio"/> DRY HOLE <input type="radio"/> SHALLOW (UNCONFINED) | | | | | | STATIC WATER LEVEL IN COMPLETED WELL (FT) 582' | |
| | DRILLING FLUID: <input checked="" type="radio"/> AIR <input type="radio"/> MUD ADDITIVES - SPECIFY: | | | | | | | |
| | DRILLING METHOD: <input checked="" type="radio"/> ROTARY <input type="radio"/> HAMMER <input type="radio"/> CABLE TOOL <input type="radio"/> OTHER - SPECIFY: | | | | | | | |
| | DEPTH (feet bgl) | | BORE HOLE DIAM (inches) | CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) | CASING CONNECTION TYPE | CASING INSIDE DIAM. (inches) | CASING WALL THICKNESS (inches) | SLOT SIZE (inches) |
| | FROM | TO | | | | | | |
| | 0' | 40' | 20" | 16" | None | 15 1/2" | .250 | |
| | 0' | 757' | 14 3/4" | 9 5/8" | Thread & Collar | 8.921" | 36 lbs. | none |
| 690' | 1,192' | 8 3/4" | 7" (502.14' Total) | Thread & Collar | 6.366" | 23 lbs. | 1/8" | |
| | | | 317.96 perforated | | | | | |
| | | | on bottom of liner | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 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 | | | | | | |
| | 0' | 40' | 20" | Cemented | 2 yds. | Top Pour | | |
| | 0 | 757' | 14 3/4" | Float and shoe cemented to surface | 962 | Circulated | | |
| | | | | | | | | |
| | | | | | | | | |

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

| | | | | | |
|-------------|---------|----------------|---|------------|-------------|
| FILE NUMBER | CP-1355 | POD NUMBER | 1 | TRN NUMBER | 549450 |
| LOCATION | Expl | 215.33E.27.312 | | | PAGE 1 OF 2 |

| 4. HYDROGEOLOGIC LOG OF WELL | DEPTH (feet bgl) | | THICKNESS (feet) | COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units) | WATER BEARING? (YES / NO) | ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm) |
|---|---|--------|---------------------|--|--|--|
| | FROM | TO | | | | |
| | 0 | 4' | 4' | Sand | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| | 4' | 28' | 24' | Caliche | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| | 28' | 120' | 92' | Sand & Clay | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| | 120' | 260' | 140' | Red Clay | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| | 260' | 757' | 497' | Red & Brown Shale, and Clay (some blue) | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| | 757' | 815' | 58' | Red & Brown Shale | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| | 815' | 840' | 25' | Blue Clay & Shale | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| | 840' | 925' | 85' | Red and Brown Shale (some sandrock) | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| | 925' | 975' | 50' | Watersand and Gravel | <input checked="" type="radio"/> Y <input type="radio"/> N | |
| | 975' | 1,185' | 210' | Watersand (brown sandrock) | <input checked="" type="radio"/> Y <input type="radio"/> N | |
| | 1,185' | 1,192' | 7' | Red Shale | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| | | | | | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| | | | | | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| | | | | | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| | | | | | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| | | | | | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| | | | | | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| | | | | | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| | | | | | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| | | | | | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| | | | | | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| | | | | | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| | | | | | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input checked="" type="radio"/> PUMP | | | | | TOTAL ESTIMATED WELL YIELD (gpm): | |
| <input type="radio"/> AIR LIFT <input type="radio"/> BAILER <input type="radio"/> OTHER - SPECIFY: | | | | | | |
| 5. TEST; RIG SUPERVISION | WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. | | | | | |
| | MISCELLANEOUS INFORMATION: | | | | | |
| | 0' to 757' drilled with mud. 757' to 1192' drilled with air and foam. | | | | | |
| PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: | | | | | | |
| 6. SIGNATURE | THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING: | | | | | |
| | <div style="display: flex; justify-content: space-between;"> <div>  SIGNATURE OF DRILLER / PRINT SIGNED NAME </div> <div>  DATE </div> </div> | | | | | |

FOR USE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

| | | | | | |
|-------------|----------------|------------|---|------------|-------------|
| FILE NUMBER | CP-1355 | POD NUMBER | 1 | TRN NUMBER | 549450 |
| LOCATION | 215.33E.27.312 | | | | PAGE 2 OF 2 |



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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| | | | | | | | | |
|---|---|---------------------------|---|---|-----------------------------------|---|--------------------------------|--------------------|
| 1. GENERAL AND WELL LOCATION | OSE POD NUMBER (WELL NUMBER) CP - 1355 East Standard (South) | | | | OSE FILE NUMBER(S) | | | |
| | WELL OWNER NAME(S) Merchants Livestock/Glenn's Water Well Service, Inc. | | | | PHONE (OPTIONAL) (575)398-2424 | | | |
| | WELL OWNER MAILING ADDRESS P.O. Box 692 | | | | CITY Tatum | | STATE NM | ZIP 88267 |
| | WELL LOCATION (FROM GPS) | DEGREES LATITUDE 32 | MINUTES 26 | SECONDS 54.8 | N | * ACCURACY REQUIRED: ONE TENTH OF A SECOND | | |
| | LONGITUDE 103 | 33 | 58.3 | W | * DATUM REQUIRED: WGS 84 | | | |
| DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE/NW/SW Sec. 27, T21S, R33E on Merchants Livestock Land | | | | | | | | |
| 2. DRILLING & CASING INFORMATION | LICENSE NUMBER WD 421 | | NAME OF LICENSED DRILLER Corky Glenn | | | NAME OF WELL DRILLING COMPANY Glenn's Water Well Service, Inc. | | |
| | DRILLING STARTED 7/29/14 | DRILLING ENDED 8/2/14 | DEPTH OF COMPLETED WELL (FT) 1192' | | BORE HOLE DEPTH (FT) 1192' | DEPTH WATER FIRST ENCOUNTERED (FT) 925' | | |
| | COMPLETED WELL IS: <input checked="" type="radio"/> ARTESIAN <input type="radio"/> DRY HOLE <input type="radio"/> SHALLOW (UNCONFINED) | | | | | STATIC WATER LEVEL IN COMPLETED WELL (FT) 582' | | |
| | DRILLING FLUID: <input type="radio"/> AIR <input type="radio"/> MUD ADDITIVES - SPECIFY: | | | | | | | |
| | DRILLING METHOD: <input checked="" type="radio"/> ROTARY <input type="radio"/> HAMMER <input type="radio"/> CABLE TOOL <input type="radio"/> OTHER - SPECIFY: | | | | | | | |
| | DEPTH (feet bgl) | | BORE HOLE DIAM (inches) | CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) | CASING CONNECTION TYPE | CASING INSIDE DIAM. (inches) | CASING WALL THICKNESS (inches) | SLOT SIZE (inches) |
| | FROM | TO | | | | | | |
| | 0' | 40' | 20" | 16" | None | 15 1/2" | .250 | |
| | 0' | 757' | 14 3/4" | 9 5/8" | Thread and Collar | .352 | 36 lbs. | none |
| | 757' | 1192' | 8 3/4" | 7" | Thread and Collar | 6.5" | 23 lbs. | 1/8" |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 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 | | | | | | |
| | 0' | 40' | 20" | Cemented | 2 yds | Top Pour | | |
| | 0' | 757' | 14 3/4" | Float and Shoe Cemented to Surface | 1034 | Circulated | | |
| | | | | | | | | |
| | | | | | | | | |


FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

| | | | | | |
|-------------|---------|----------------|---|------------|-------------|
| FILE NUMBER | CP-1355 | POD NUMBER | 1 | TRN NUMBER | 549450 |
| LOCATION | Exp | 21S.33E.27.312 | | | PAGE 1 OF 2 |

| DEPTH (feet bgl) | THICKNESS (feet) | COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units) | WATER BEARING? (YES / NO) | ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm) | |
|--|------------------|--|---|--|------|
| | | | | | FROM |
| 0' | 4' | 4' | Soil | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| 4' | 28' | 24' | Caleche | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| 28' | 120' | 92' | Sand and Clay | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| 120' | 260' | 140' | Red Clay | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| 260' | 757' | 497' | Red and Brown Shale and Clay(some blue) | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| 757' | 815' | 58' | Red and Brown Shale | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| 815' | 840' | 25' | Blue Clay and Shale | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| 840' | 925' | 85' | Red and Brown Shale(some sandrock) | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| 925' | 975' | 50' | Watersand and Gravel | <input checked="" type="radio"/> Y <input type="radio"/> N | |
| 975' | 1185' | 210' | Watersand(brown sandrock) | <input checked="" type="radio"/> Y <input type="radio"/> N | |
| 1185' | 1192' | 7' | Red Shale | <input type="radio"/> Y <input checked="" type="radio"/> N | |
| | | | | <input type="radio"/> Y <input type="radio"/> N | |
| | | | | <input type="radio"/> Y <input type="radio"/> N | |
| | | | | <input type="radio"/> Y <input type="radio"/> N | |
| | | | | <input type="radio"/> Y <input type="radio"/> N | |
| | | | | <input type="radio"/> Y <input type="radio"/> N | |
| | | | | <input type="radio"/> Y <input type="radio"/> N | |
| | | | | <input type="radio"/> Y <input type="radio"/> N | |
| | | | | <input type="radio"/> Y <input type="radio"/> N | |
| | | | | <input type="radio"/> Y <input type="radio"/> N | |
| | | | | <input type="radio"/> Y <input type="radio"/> N | |
| | | | | <input type="radio"/> Y <input type="radio"/> N | |
| | | | | <input type="radio"/> Y <input type="radio"/> N | |
| METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input checked="" type="radio"/> PUMP | | | TOTAL ESTIMATED WELL YIELD (gpm): 50 | | |
| <input type="radio"/> AIR LIFT <input type="radio"/> BAILER <input type="radio"/> OTHER - SPECIFY: | | | | | |

| | | |
|---|---|---|
| 5. TEST; RIG SUPERVISION | WELL TEST | TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. |
| | MISCELLANEOUS INFORMATION: | |
| | 0' to 757' drilled with mud. 757' to 1192' drilled with air and foam. | |
| PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: | | |

| | | |
|--------------|---|--|
| 6. SIGNATURE | THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING: | |
| | <div style="display: flex; justify-content: space-between;"> <div>  SIGNATURE OF DRILLER / PRINT SIGNEE NAME </div> <div> 8/7/14 DATE </div> </div> | |

FOR USE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

| | | | | | |
|-------------|---------|----------------|---|------------|-------------|
| FILE NUMBER | CP-1355 | POD NUMBER | 1 | TRN NUMBER | 549450 |
| LOCATION | Exp1 | 215.33E.27.312 | | | PAGE 2 OF 2 |



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters)

| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tws | Rng | X | Y |
|----------|------------|-----|-----|----|-----|-----|-----|--------|---------|
| CP 01356 | POD1 | 4 | 2 | 2 | 33 | 21S | 33E | 634560 | 3590014 |

| | |
|---|--|
| Driller License: 421 | Driller Company: GLENN'S WATER WELL SERVICE |
| Driller Name: GLENN, CLARK A."CORKY" | |
| Drill Start Date: 08/01/2014 | Drill Finish Date: 08/09/2014 |
| Log File Date: 08/25/2014 | PCW Rcv Date: |
| Pump Type: | Pipe Discharge Size: |
| Casing Size: 6.37 | Depth Well: 1098 feet |
| | Depth Water: 555 feet |

| Water Bearing Stratifications: | Top | Bottom | Description |
|--------------------------------|------|--------|-------------------------------|
| | 765 | 795 | Sandstone/Gravel/Conglomerate |
| | 795 | 825 | Shale/Mudstone/Siltstone |
| | 825 | 920 | Sandstone/Gravel/Conglomerate |
| | 920 | 935 | Shale/Mudstone/Siltstone |
| | 935 | 968 | Sandstone/Gravel/Conglomerate |
| | 968 | 976 | Shale/Mudstone/Siltstone |
| | 976 | 1005 | Sandstone/Gravel/Conglomerate |
| | 1005 | 1092 | Sandstone/Gravel/Conglomerate |

| Casing Perforations: | Top | Bottom |
|----------------------|-----|--------|
| | 735 | 1098 |

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

3/5/19 1:52 PM

Page 1 of 1

POD SUMMARY - CP 01356 POD1



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters)

| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tws | Rng | X | Y |
|----------|------------|-----|-----|----|-----|-----|-----|--------|---------|
| CP 01357 | POD1 | 4 | 3 | 1 | 27 | 21S | 33E | 634782 | 3591347 |

| | |
|---|--|
| Driller License: 421 | Driller Company: GLENN'S WATER WELL SERVICE |
| Driller Name: GLENN, CLARK A."CORKY" | |
| Drill Start Date: 08/16/2014 | Drill Finish Date: 08/26/2014 |
| Log File Date: 09/10/2014 | PCW Rcv Date: |
| Pump Type: | Source: Artesian |
| Casing Size: 6.37 | Depth Well: 1286 feet |
| | Depth Water: 578 feet |

| Water Bearing Stratifications: | Top | Bottom | Description |
|--------------------------------|------|--------|-------------------------------|
| | 945 | 960 | Sandstone/Gravel/Conglomerate |
| | 960 | 1077 | Shale/Mudstone/Siltstone |
| | 1077 | 1215 | Sandstone/Gravel/Conglomerate |
| | 1215 | 1286 | Shale/Mudstone/Siltstone |

| Casing Perforations: | Top | Bottom |
|----------------------|-----|--------|
| | 846 | 1286 |

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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

| | | | | | | | |
|---|---|----------------------------|---|--|--|---|--------------------------------|
| 1. GENERAL AND WELL LOCATION | OSE POD NO. (WELL NO.) CP-1701-POD1 | | WELL TAG ID NO. | | OSE FILE NO(S) | | |
| | WELL OWNER NAME(S) The Jimmy Mills GST and 2005 GST Trusts | | | | PHONE (OPTIONAL) | | |
| | WELL OWNER MAILING ADDRESS c/o Stacey Mills PO Box 1359 | | | | CITY Loving | STATE NM | |
| | | | | | ZIP 88256-1358 | | |
| 2. DRILLING & CASING INFORMATION | WELL LOCATION (FROM GPS) | DEGREES LATITUDE 32 | MINUTES 26 | SECONDS 0.5 | N | | |
| | | LONGITUDE 103 | 39 | 10.1 | W | | |
| | * ACCURACY REQUIRED: ONE TENTH OF A SECOND | | | | | | |
| | * DATUM REQUIRED: WGS 84 | | | | | | |
| DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE | | | | | | | |
| 3. ANNULAR MATERIAL | LICENSE NO. WD1706 | | NAME OF LICENSED DRILLER Bryce Wallace | | | NAME OF WELL DRILLING COMPANY Elite Drillers Corporation | |
| | DRILLING STARTED 10/15/18 | DRILLING ENDED 11/29/18 | DEPTH OF COMPLETED WELL (FT) 840 | BORE HOLE DEPTH (FT) 880 | DEPTH WATER FIRST ENCOUNTERED (FT) 560 | | |
| | COMPLETED WELL IS: <input checked="" type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED) | | | | STATIC WATER LEVEL IN COMPLETED WELL (FT) 457 | | |
| | DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY: | | | | | | |
| | DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY: | | | | | | |
| | 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) |
| | FROM | TO | | | | | |
| | 0 | 20 | 12.75 | ASTM53 Grade B Steel | N/A | 12.57 | .188 |
| | +2 | 460 | 12.25 | ASTM53 Grade B steel | Welded | 6.065 | .28 |
| | 460 | 840 | 12.25 | SDR17 PVC | Spline | 6 | SDR17 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 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 | | | | | |
| | 0 | 20 | 12.75 | Portland I/II Cement | 17 | Pour | |
| | 0 | 453 | 12.25 | Baroid Benseal Grout | 247 | Trimmic | |
| | 453 | 860 | 12.25 | 8/16 Silica Sand | 285 | Pour | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

| | | | | | |
|----------|---------|---------------|-----------------|---------|-------------|
| FILE NO. | CP-1701 | POD NO. | 1 | TRN NO. | 619305 |
| LOCATION | Expi | 215.32E.35.31 | WELL TAG ID NO. | | PAGE 1 OF 2 |

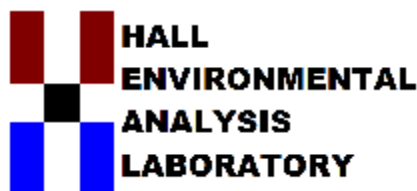
4. HYDROGEOLOGIC LOG OF WELL

FOR USE INTERNAL USE

Appendix B

Certificate of Analysis





Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

March 01, 2019

Andrew Parker

R.T. Hicks Consultants, LTD

901 Rio Grande Blvd. NW

Suite F-142

Albuquerque, NM 87104

TEL: (505) 266-5004

FAX: (505) 266-0745

RE: Advance Energy

OrderNo.: 1902A41

Dear Andrew Parker:

Hall Environmental Analysis Laboratory received 4 sample(s) on 2/25/2019 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1902A41

Date Reported: 3/1/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: Trench 1 0-4 ft

Project: Advance Energy

Collection Date: 2/24/2019 1:30:00 PM

Lab ID: 1902A41-001

Matrix: SOIL

Received Date: 2/25/2019 12:00:00 PM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: smb |
| Chloride | 2300 | 60 | | mg/Kg | 20 | 2/28/2019 1:53:09 PM | 43385 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: lrm |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 2/27/2019 1:10:15 PM | 43351 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 2/27/2019 1:10:15 PM | 43351 |
| Surr: DNOP | 110 | 70-130 | | %Rec | 1 | 2/27/2019 1:10:15 PM | 43351 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.6 | | mg/Kg | 1 | 2/26/2019 3:12:54 PM | 43319 |
| Surr: BFB | 104 | 73.8-119 | | %Rec | 1 | 2/26/2019 3:12:54 PM | 43319 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 2/26/2019 3:12:54 PM | 43319 |
| Toluene | ND | 0.046 | | mg/Kg | 1 | 2/26/2019 3:12:54 PM | 43319 |
| Ethylbenzene | ND | 0.046 | | mg/Kg | 1 | 2/26/2019 3:12:54 PM | 43319 |
| Xylenes, Total | ND | 0.093 | | mg/Kg | 1 | 2/26/2019 3:12:54 PM | 43319 |
| Surr: 4-Bromofluorobenzene | 96.3 | 80-120 | | %Rec | 1 | 2/26/2019 3:12:54 PM | 43319 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

Page 1 of 8

Analytical Report

Lab Order 1902A41

Date Reported: 3/1/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: Trench 1 4.5 ft

Project: Advance Energy

Collection Date: 2/24/2019 1:35:00 PM

Lab ID: 1902A41-002

Matrix: SOIL

Received Date: 2/25/2019 12:00:00 PM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: smb |
| Chloride | ND | 60 | | mg/Kg | 20 | 2/28/2019 2:30:23 PM | 43385 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: lrm |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 2/27/2019 1:32:29 PM | 43351 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 2/27/2019 1:32:29 PM | 43351 |
| Surr: DNOP | 91.1 | 70-130 | | %Rec | 1 | 2/27/2019 1:32:29 PM | 43351 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 2/26/2019 3:36:58 PM | 43319 |
| Surr: BFB | 105 | 73.8-119 | | %Rec | 1 | 2/26/2019 3:36:58 PM | 43319 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 2/26/2019 3:36:58 PM | 43319 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 2/26/2019 3:36:58 PM | 43319 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 2/26/2019 3:36:58 PM | 43319 |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 2/26/2019 3:36:58 PM | 43319 |
| Surr: 4-Bromofluorobenzene | 98.1 | 80-120 | | %Rec | 1 | 2/26/2019 3:36:58 PM | 43319 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | | |
|--------------------|-----|---|----|---|-------------|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank | Page 2 of 8 |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range | |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits | |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range | |
| | PQL | Practical Quantitative Limit | RL | Reporting Detection Limit | |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified | |

Analytical Report

Lab Order 1902A41

Date Reported: 3/1/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: Trench 2 0-4 ft

Project: Advance Energy

Collection Date: 2/24/2019 2:00:00 PM

Lab ID: 1902A41-003

Matrix: SOIL

Received Date: 2/25/2019 12:00:00 PM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: smb |
| Chloride | ND | 59 | | mg/Kg | 20 | 2/28/2019 3:07:36 PM | 43385 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: lrm |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 2/27/2019 2:03:39 PM | 43351 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 2/27/2019 2:03:39 PM | 43351 |
| Surr: DNOP | 117 | 70-130 | | %Rec | 1 | 2/27/2019 2:03:39 PM | 43351 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 2/26/2019 4:01:01 PM | 43319 |
| Surr: BFB | 104 | 73.8-119 | | %Rec | 1 | 2/26/2019 4:01:01 PM | 43319 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 2/26/2019 4:01:01 PM | 43319 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 2/26/2019 4:01:01 PM | 43319 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 2/26/2019 4:01:01 PM | 43319 |
| Xylenes, Total | ND | 0.093 | | mg/Kg | 1 | 2/26/2019 4:01:01 PM | 43319 |
| Surr: 4-Bromofluorobenzene | 97.5 | 80-120 | | %Rec | 1 | 2/26/2019 4:01:01 PM | 43319 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

Page 3 of 8

Analytical Report

Lab Order 1902A41

Date Reported: 3/1/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: Trench 2 4.5 ft

Project: Advance Energy

Collection Date: 2/24/2019 2:15:00 PM

Lab ID: 1902A41-004

Matrix: SOIL

Received Date: 2/25/2019 12:00:00 PM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: smb |
| Chloride | ND | 60 | | mg/Kg | 20 | 2/28/2019 3:20:01 PM | 43385 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: lrm |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 2/27/2019 2:25:55 PM | 43351 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 2/27/2019 2:25:55 PM | 43351 |
| Surr: DNOP | 121 | 70-130 | | %Rec | 1 | 2/27/2019 2:25:55 PM | 43351 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 2/26/2019 4:25:04 PM | 43319 |
| Surr: BFB | 105 | 73.8-119 | | %Rec | 1 | 2/26/2019 4:25:04 PM | 43319 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 2/26/2019 4:25:04 PM | 43319 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 2/26/2019 4:25:04 PM | 43319 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 2/26/2019 4:25:04 PM | 43319 |
| Xylenes, Total | ND | 0.095 | | mg/Kg | 1 | 2/26/2019 4:25:04 PM | 43319 |
| Surr: 4-Bromofluorobenzene | 97.5 | 80-120 | | %Rec | 1 | 2/26/2019 4:25:04 PM | 43319 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

Page 4 of 8

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1902A41

01-Mar-19

Client: R.T. Hicks Consultants, LTD**Project:** Advance Energy

| Sample ID: MB-43385 | SampType: MBLK | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 43385 | RunNo: 58031 | | | | | | | | |
| Prep Date: 2/27/2019 | Analysis Date: 2/28/2019 | SeqNo: 1944677 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-43385 | SampType: LCS | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 43385 | RunNo: 58031 | | | | | | | | |
| Prep Date: 2/27/2019 | Analysis Date: 2/28/2019 | SeqNo: 1944678 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 95.9 | 90 | 110 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

Page 5 of 8

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1902A41

01-Mar-19

Client: R.T. Hicks Consultants, LTD**Project:** Advance Energy

| Sample ID: LCS-43351 | SampType: LCS | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|-----------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 43351 | RunNo: 57971 | | | | | | | | |
| Prep Date: 2/26/2019 | Analysis Date: 2/27/2019 | SeqNo: 1941438 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 60 | 10 | 50.00 | 0 | 119 | 63.9 | 124 | | | |
| Surr: DNOP | 5.6 | | 5.000 | | 112 | 70 | 130 | | | |

| Sample ID: MB-43351 | SampType: MBLK | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|--------------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 43351 | RunNo: 57971 | | | | | | | | |
| Prep Date: 2/26/2019 | Analysis Date: 2/27/2019 | SeqNo: 1941439 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 10 | | 10.00 | | 101 | 70 | 130 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

Page 6 of 8

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1902A41

01-Mar-19

Client: R.T. Hicks Consultants, LTD**Project:** Advance Energy

| Sample ID: MB-43319 | SampType: MBLK | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 43319 | RunNo: 57944 | | | | | | | | |
| Prep Date: 2/25/2019 | Analysis Date: 2/26/2019 | SeqNo: 1940605 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 990 | | 1000 | | 99.3 | 73.8 | 119 | | | |

| Sample ID: LCS-43319 | SampType: LCS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 43319 | RunNo: 57944 | | | | | | | | |
| Prep Date: 2/25/2019 | Analysis Date: 2/26/2019 | SeqNo: 1940606 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 26 | 5.0 | 25.00 | 0 | 104 | 80.1 | 123 | | | |
| Surr: BFB | 1100 | | 1000 | | 113 | 73.8 | 119 | | | |

Qualifiers:

| | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1902A41

01-Mar-19

Client: R.T. Hicks Consultants, LTD**Project:** Advance Energy

| Sample ID: MB-43319 | SampType: MBLK | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 43319 | RunNo: 57944 | | | | | | | | |
| Prep Date: 2/25/2019 | Analysis Date: 2/26/2019 | SeqNo: 1940623 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 0.96 | | 1.000 | | 95.8 | 80 | 120 | | | |

| Sample ID: LCS-43319 | SampType: LCS | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 43319 | RunNo: 57944 | | | | | | | | |
| Prep Date: 2/25/2019 | Analysis Date: 2/26/2019 | SeqNo: 1940624 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.89 | 0.025 | 1.000 | 0 | 89.4 | 80 | 120 | | | |
| Toluene | 0.93 | 0.050 | 1.000 | 0 | 92.8 | 80 | 120 | | | |
| Ethylbenzene | 0.93 | 0.050 | 1.000 | 0 | 93.1 | 80 | 120 | | | |
| Xylenes, Total | 2.8 | 0.10 | 3.000 | 0 | 94.8 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 99.9 | 80 | 120 | | | |

Qualifiers:

| | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: RT HICKS

Work Order Number: 1902A41

RcptNo: 1

Received By: Erin Melendrez 2/25/2019 12:00:00 PM

Completed By: Victoria Zellar 2/25/2019 12:54:10 PM

Reviewed By: JO

2/25/19

VZ

Victoria Zellar

Labeled by
TMM 2-25-19

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Client

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☐ No ☒ NA ☐
5. Sample(s) in proper container(s)? Approved by client. Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

TMM
2-25-19

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

| | | | |
|----------------------|--|-------|---|
| Person Notified: | | Date: | |
| By Whom: | | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | | | |
| Client Instructions: | | | |

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 13.3 | Good | Not Present | | | |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

| Chain-of-Custody Record | | | | Turn-Around Time: | | |
|---|-------|------------------|--|---|-------------------------------|----------|
| Client: RT Hicks Consultants | | | | <input checked="" type="checkbox"/> Standard | <input type="checkbox"/> Rush | |
| Mailing Address: en. file | | | | Project Name: Advance Energy | | |
| Phone #: 970-570-9535 | | | | Project #: A06 501 | | |
| Email or Fax#: andrew@rthicksconsultants.com | | | | Project Manager: Andrew Parker | | |
| QA/QC Package: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation) | | | | Sampler: Andrew Parker | | |
| Accreditation: <input type="checkbox"/> AZ Compliance <input type="checkbox"/> NELAC <input type="checkbox"/> Other | | | | On Ice: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| <input type="checkbox"/> EDD (Type) | | | | # of Coolers: 1 | | |
| | | | | Cooler Temp (including CPE): 13.3°C | | |
| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. |
| 2/24 | 13:30 | Soil | Trench 1 0-4 ft | 402 Jcr | | 1902A41 |
| | 13:35 | | Trench 1 4.5 ft | | | -001 |
| | 14:00 | | Trench 2 0-4 ft | | | -002 |
| | 14:15 | | Trench 2 4.5 ft | | | -003 |
| | | | | | | -004 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
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| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Date: | Time: | Relinquished by: | Received by: Via: CDO Date: 2/25/19 Time: 1200 | | | |
| 2/15 | 12pm | Andrew Parker | LTH | | | |
| Date: | Time: | Relinquished by: | Received by: Via: Date: Time: | | | |

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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

September 30, 2020

ANDREW PARKER

ADVANCE ENERGY PARTNERS

11490 WESTHEIMER ROAD, STE. 950

HOUSTON, TX 77077

RE: A 06 PAD

Enclosed are the results of analyses for samples received by the laboratory on 09/25/20 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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: 09/25/2020
 Reported: 09/30/2020
 Project Name: A 06 PAD
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 09/24/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 01 0-2' (H002554-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/28/2020 | ND | 2.08 | 104 | 2.00 | 5.02 | |
| Toluene* | <0.050 | 0.050 | 09/28/2020 | ND | 2.03 | 102 | 2.00 | 5.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/28/2020 | ND | 2.09 | 104 | 2.00 | 5.24 | |
| Total Xylenes* | <0.150 | 0.150 | 09/28/2020 | ND | 6.11 | 102 | 6.00 | 5.07 | |
| Total BTEX | <0.300 | 0.300 | 09/28/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 09/28/2020 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/29/2020 | ND | 186 | 93.1 | 200 | 5.08 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/29/2020 | ND | 190 | 95.1 | 200 | 7.43 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/29/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 105 % 44.3-144

Surrogate: 1-Chlorooctadecane 114 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/25/2020
 Reported: 09/30/2020
 Project Name: A 06 PAD
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 09/24/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 01 2-4' (H002554-02)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/28/2020 | ND | 2.08 | 104 | 2.00 | 5.02 | |
| Toluene* | <0.050 | 0.050 | 09/28/2020 | ND | 2.03 | 102 | 2.00 | 5.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/28/2020 | ND | 2.09 | 104 | 2.00 | 5.24 | |
| Total Xylenes* | <0.150 | 0.150 | 09/28/2020 | ND | 6.11 | 102 | 6.00 | 5.07 | |
| Total BTX | <0.300 | 0.300 | 09/28/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 09/28/2020 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/29/2020 | ND | 189 | 94.3 | 200 | 0.997 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/29/2020 | ND | 191 | 95.6 | 200 | 0.571 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/29/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 116 % 44.3-144

Surrogate: 1-Chlorooctadecane 134 % 42.2-156

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: 09/25/2020
 Reported: 09/30/2020
 Project Name: A 06 PAD
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 09/24/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 01 4.5' (H002554-03)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/28/2020 | ND | 2.08 | 104 | 2.00 | 5.02 | |
| Toluene* | <0.050 | 0.050 | 09/28/2020 | ND | 2.03 | 102 | 2.00 | 5.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/28/2020 | ND | 2.09 | 104 | 2.00 | 5.24 | |
| Total Xylenes* | <0.150 | 0.150 | 09/28/2020 | ND | 6.11 | 102 | 6.00 | 5.07 | |
| Total BTX | <0.300 | 0.300 | 09/28/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 09/28/2020 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/29/2020 | ND | 189 | 94.3 | 200 | 0.997 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/29/2020 | ND | 191 | 95.6 | 200 | 0.571 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/29/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 122 % 44.3-144

Surrogate: 1-Chlorooctadecane 143 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Advance Energy Partners
Project Manager: Andrew Parker

Address: On-File

City:

State: Zip:

Phone #:

Fax #:

Project #:

Project Owner:

Project Name: 02062019-0900-dc

Project Location: A OC Pad

Sampler Name: Jacob Saenz

BILL TO

P.O. #: 02062019-0900-dc

Company: AEP

Attn: Send to

Address: Aparker@advance

City: energypartners.com

State: Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H002554

HA01

HA-01

HA-01

0-2FT

2-4FT

4-5FT

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

October 07, 2020

ANDREW PARKER

ADVANCE ENERGY PARTNERS

11490 WESTHEIMER ROAD, STE. 950

HOUSTON, TX 77077

RE: A 06 PAD

Enclosed are the results of analyses for samples received by the laboratory on 10/01/20 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/01/2020 | Sampling Date: | 09/27/2020 |
| Reported: | 10/07/2020 | Sampling Type: | Soil |
| Project Name: | A 06 PAD | Sampling Condition: | Cool & Intact |
| Project Number: | 02062019-0900-DC (501H) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: HA - 02 CENTRAL 0-2' (H002615-01)

| BTEX 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/03/2020 | ND | 2.13 | 107 | 2.00 | 2.86 | | |
| Toluene* | <0.050 | 0.050 | 10/03/2020 | ND | 2.14 | 107 | 2.00 | 2.35 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/03/2020 | ND | 2.11 | 106 | 2.00 | 2.19 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/03/2020 | ND | 6.50 | 108 | 6.00 | 2.15 | | |
| Total BTEX | <0.300 | 0.300 | 10/03/2020 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

| 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 | 10/05/2020 | 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 | 10/02/2020 | ND | 220 | 110 | 200 | 8.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/02/2020 | ND | 214 | 107 | 200 | 8.07 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/02/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.9 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/01/2020 | Sampling Date: | 09/27/2020 |
| Reported: | 10/07/2020 | Sampling Type: | Soil |
| Project Name: | A 06 PAD | Sampling Condition: | Cool & Intact |
| Project Number: | 02062019-0900-DC (501H) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: HA - 02 CENTRAL 2-4' (H002615-02)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/03/2020 | ND | 2.13 | 107 | 2.00 | 2.86 | | |
| Toluene* | <0.050 | 0.050 | 10/03/2020 | ND | 2.14 | 107 | 2.00 | 2.35 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/03/2020 | ND | 2.11 | 106 | 2.00 | 2.19 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/03/2020 | ND | 6.50 | 108 | 6.00 | 2.15 | | |
| Total BTEx | <0.300 | 0.300 | 10/03/2020 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/05/2020 | 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 | 10/02/2020 | ND | 220 | 110 | 200 | 8.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/02/2020 | ND | 214 | 107 | 200 | 8.07 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/02/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/01/2020 | Sampling Date: | 09/27/2020 |
| Reported: | 10/07/2020 | Sampling Type: | Soil |
| Project Name: | A 06 PAD | Sampling Condition: | Cool & Intact |
| Project Number: | 02062019-0900-DC (501H) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: HA - 02 CENTRAL 4.5' (H002615-03)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/03/2020 | ND | 2.13 | 107 | 2.00 | 2.86 | | |
| Toluene* | <0.050 | 0.050 | 10/03/2020 | ND | 2.14 | 107 | 2.00 | 2.35 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/03/2020 | ND | 2.11 | 106 | 2.00 | 2.19 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/03/2020 | ND | 6.50 | 108 | 6.00 | 2.15 | | |
| Total BTEX | <0.300 | 0.300 | 10/03/2020 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/05/2020 | 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 | 10/02/2020 | ND | 220 | 110 | 200 | 8.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/02/2020 | ND | 214 | 107 | 200 | 8.07 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/02/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 94.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/01/2020 | Sampling Date: | 09/27/2020 |
| Reported: | 10/07/2020 | Sampling Type: | Soil |
| Project Name: | A 06 PAD | Sampling Condition: | Cool & Intact |
| Project Number: | 02062019-0900-DC (501H) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: HA - 03 EAST 0-2' (H002615-04)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/03/2020 | ND | 2.13 | 107 | 2.00 | 2.86 | |
| Toluene* | <0.050 | 0.050 | 10/03/2020 | ND | 2.14 | 107 | 2.00 | 2.35 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/03/2020 | ND | 2.11 | 106 | 2.00 | 2.19 | |
| Total Xylenes* | <0.150 | 0.150 | 10/03/2020 | ND | 6.50 | 108 | 6.00 | 2.15 | |
| Total BTX | <0.300 | 0.300 | 10/03/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 10/05/2020 | 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 | 10/02/2020 | ND | 220 | 110 | 200 | 8.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/02/2020 | ND | 214 | 107 | 200 | 8.07 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/02/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 92.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/01/2020 | Sampling Date: | 09/27/2020 |
| Reported: | 10/07/2020 | Sampling Type: | Soil |
| Project Name: | A 06 PAD | Sampling Condition: | Cool & Intact |
| Project Number: | 02062019-0900-DC (501H) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: HA - 03 EAST 2-4' (H002615-05)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/03/2020 | ND | 2.13 | 107 | 2.00 | 2.86 | |
| Toluene* | <0.050 | 0.050 | 10/03/2020 | ND | 2.14 | 107 | 2.00 | 2.35 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/03/2020 | ND | 2.11 | 106 | 2.00 | 2.19 | |
| Total Xylenes* | <0.150 | 0.150 | 10/03/2020 | ND | 6.50 | 108 | 6.00 | 2.15 | |
| Total BTX | <0.300 | 0.300 | 10/03/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/05/2020 | 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 | 10/02/2020 | ND | 220 | 110 | 200 | 8.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/02/2020 | ND | 214 | 107 | 200 | 8.07 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/02/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/01/2020 | Sampling Date: | 09/27/2020 |
| Reported: | 10/07/2020 | Sampling Type: | Soil |
| Project Name: | A 06 PAD | Sampling Condition: | Cool & Intact |
| Project Number: | 02062019-0900-DC (501H) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: HA - 03 EAST 4.5' (H002615-06)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.28 | 114 | 2.00 | 3.79 | | |
| Toluene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.21 | 111 | 2.00 | 3.24 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.27 | 114 | 2.00 | 4.04 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/02/2020 | ND | 6.64 | 111 | 6.00 | 4.26 | | |
| Total BTEx | <0.300 | 0.300 | 10/02/2020 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/05/2020 | 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 | 10/02/2020 | ND | 220 | 110 | 200 | 8.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/02/2020 | ND | 214 | 107 | 200 | 8.07 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/02/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 95.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.7 % 42.2-156

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Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/01/2020 | Sampling Date: | 09/27/2020 |
| Reported: | 10/07/2020 | Sampling Type: | Soil |
| Project Name: | A 06 PAD | Sampling Condition: | Cool & Intact |
| Project Number: | 02062019-0900-DC (501H) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: HA - 04 EAST-2 0-2' (H002615-07)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.28 | 114 | 2.00 | 3.79 | |
| Toluene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.21 | 111 | 2.00 | 3.24 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.27 | 114 | 2.00 | 4.04 | |
| Total Xylenes* | <0.150 | 0.150 | 10/02/2020 | ND | 6.64 | 111 | 6.00 | 4.26 | |
| Total BTX | <0.300 | 0.300 | 10/02/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

| 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 | 10/05/2020 | 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 | 10/02/2020 | ND | 220 | 110 | 200 | 8.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/02/2020 | ND | 214 | 107 | 200 | 8.07 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/02/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 100 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.5 % 42.2-156

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Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/01/2020 | Sampling Date: | 09/27/2020 |
| Reported: | 10/07/2020 | Sampling Type: | Soil |
| Project Name: | A 06 PAD | Sampling Condition: | Cool & Intact |
| Project Number: | 02062019-0900-DC (501H) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: HA - 04 EAST-2 2-4' (H002615-08)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.28 | 114 | 2.00 | 3.79 | |
| Toluene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.21 | 111 | 2.00 | 3.24 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.27 | 114 | 2.00 | 4.04 | |
| Total Xylenes* | <0.150 | 0.150 | 10/02/2020 | ND | 6.64 | 111 | 6.00 | 4.26 | |
| Total BTEX | <0.300 | 0.300 | 10/02/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/05/2020 | 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 | 10/02/2020 | ND | 220 | 110 | 200 | 8.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/02/2020 | ND | 214 | 107 | 200 | 8.07 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/02/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

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Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/01/2020 | Sampling Date: | 09/27/2020 |
| Reported: | 10/07/2020 | Sampling Type: | Soil |
| Project Name: | A 06 PAD | Sampling Condition: | Cool & Intact |
| Project Number: | 02062019-0900-DC (501H) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: HA - 04 EAST-2 4.5' (H002615-09)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.28 | 114 | 2.00 | 3.79 | |
| Toluene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.21 | 111 | 2.00 | 3.24 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.27 | 114 | 2.00 | 4.04 | |
| Total Xylenes* | <0.150 | 0.150 | 10/02/2020 | ND | 6.64 | 111 | 6.00 | 4.26 | |
| Total BTX | <0.300 | 0.300 | 10/02/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/05/2020 | 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 | 10/02/2020 | ND | 220 | 110 | 200 | 8.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/02/2020 | ND | 214 | 107 | 200 | 8.07 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/02/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 96.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.6 % 42.2-156

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/01/2020 | Sampling Date: | 09/29/2020 |
| Reported: | 10/07/2020 | Sampling Type: | Soil |
| Project Name: | A 06 PAD | Sampling Condition: | Cool & Intact |
| Project Number: | 02062019-0900-DC (501H) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: HA - 05 0-2' (H002615-10)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.28 | 114 | 2.00 | 3.79 | |
| Toluene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.21 | 111 | 2.00 | 3.24 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.27 | 114 | 2.00 | 4.04 | |
| Total Xylenes* | <0.150 | 0.150 | 10/02/2020 | ND | 6.64 | 111 | 6.00 | 4.26 | |
| Total BTX | <0.300 | 0.300 | 10/02/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

| 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 | 10/05/2020 | 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 | 10/02/2020 | ND | 220 | 110 | 200 | 8.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/02/2020 | ND | 214 | 107 | 200 | 8.07 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/02/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 98.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.5 % 42.2-156

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/01/2020 | Sampling Date: | 09/29/2020 |
| Reported: | 10/07/2020 | Sampling Type: | Soil |
| Project Name: | A 06 PAD | Sampling Condition: | Cool & Intact |
| Project Number: | 02062019-0900-DC (501H) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: HA - 05 2-4' (H002615-11)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.28 | 114 | 2.00 | 3.79 | |
| Toluene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.21 | 111 | 2.00 | 3.24 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.27 | 114 | 2.00 | 4.04 | |
| Total Xylenes* | <0.150 | 0.150 | 10/02/2020 | ND | 6.64 | 111 | 6.00 | 4.26 | |
| Total BTX | <0.300 | 0.300 | 10/02/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

| 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 | 10/05/2020 | 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 | 10/02/2020 | ND | 220 | 110 | 200 | 8.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/02/2020 | ND | 214 | 107 | 200 | 8.07 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/02/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 96.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.8 % 42.2-156

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Analytical Results For:

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 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/01/2020 | Sampling Date: | 09/29/2020 |
| Reported: | 10/07/2020 | Sampling Type: | Soil |
| Project Name: | A 06 PAD | Sampling Condition: | Cool & Intact |
| Project Number: | 02062019-0900-DC (501H) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: HA - 05 4.5' (H002615-12)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.28 | 114 | 2.00 | 3.79 | | |
| Toluene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.21 | 111 | 2.00 | 3.24 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.27 | 114 | 2.00 | 4.04 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/02/2020 | ND | 6.64 | 111 | 6.00 | 4.26 | | |
| Total BTEx | <0.300 | 0.300 | 10/02/2020 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 10/05/2020 | 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 | 10/02/2020 | ND | 218 | 109 | 200 | 5.87 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/02/2020 | ND | 223 | 112 | 200 | 10.1 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/02/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 113 % 42.2-156

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Analytical Results For:

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 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/01/2020 | Sampling Date: | 09/29/2020 |
| Reported: | 10/07/2020 | Sampling Type: | Soil |
| Project Name: | A 06 PAD | Sampling Condition: | Cool & Intact |
| Project Number: | 02062019-0900-DC (501H) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: HA - 06 0-2' (H002615-13)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.28 | 114 | 2.00 | 3.79 | | |
| Toluene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.21 | 111 | 2.00 | 3.24 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.27 | 114 | 2.00 | 4.04 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/02/2020 | ND | 6.64 | 111 | 6.00 | 4.26 | | |
| Total BTEx | <0.300 | 0.300 | 10/02/2020 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 10/05/2020 | 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 | 10/02/2020 | ND | 218 | 109 | 200 | 5.87 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/02/2020 | ND | 223 | 112 | 200 | 10.1 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/02/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 96.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

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Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/01/2020 | Sampling Date: | 09/29/2020 |
| Reported: | 10/07/2020 | Sampling Type: | Soil |
| Project Name: | A 06 PAD | Sampling Condition: | Cool & Intact |
| Project Number: | 02062019-0900-DC (501H) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: HA - 06 2-4' (H002615-14)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.28 | 114 | 2.00 | 3.79 | | |
| Toluene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.21 | 111 | 2.00 | 3.24 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.27 | 114 | 2.00 | 4.04 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/02/2020 | ND | 6.64 | 111 | 6.00 | 4.26 | | |
| Total BTX | <0.300 | 0.300 | 10/02/2020 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 10/06/2020 | ND | 448 | 112 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/02/2020 | ND | 218 | 109 | 200 | 5.87 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/02/2020 | ND | 223 | 112 | 200 | 10.1 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/02/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

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Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/01/2020 | Sampling Date: | 09/29/2020 |
| Reported: | 10/07/2020 | Sampling Type: | Soil |
| Project Name: | A 06 PAD | Sampling Condition: | Cool & Intact |
| Project Number: | 02062019-0900-DC (501H) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: HA - 06 4.5' (H002615-15)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.28 | 114 | 2.00 | 3.79 | |
| Toluene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.21 | 111 | 2.00 | 3.24 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.27 | 114 | 2.00 | 4.04 | |
| Total Xylenes* | <0.150 | 0.150 | 10/02/2020 | ND | 6.64 | 111 | 6.00 | 4.26 | |
| Total BTX | <0.300 | 0.300 | 10/02/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 224 | 16.0 | 10/06/2020 | ND | 448 | 112 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/02/2020 | ND | 218 | 109 | 200 | 5.87 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/02/2020 | ND | 223 | 112 | 200 | 10.1 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/02/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 109 % 42.2-156

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Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/01/2020 | Sampling Date: | 09/29/2020 |
| Reported: | 10/07/2020 | Sampling Type: | Soil |
| Project Name: | A 06 PAD | Sampling Condition: | Cool & Intact |
| Project Number: | 02062019-0900-DC (501H) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: HA - 07 0-2' (H002615-16)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.28 | 114 | 2.00 | 3.79 | |
| Toluene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.21 | 111 | 2.00 | 3.24 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.27 | 114 | 2.00 | 4.04 | |
| Total Xylenes* | <0.150 | 0.150 | 10/02/2020 | ND | 6.64 | 111 | 6.00 | 4.26 | |
| Total BTX | <0.300 | 0.300 | 10/02/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 4480 | 16.0 | 10/06/2020 | ND | 448 | 112 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/02/2020 | ND | 218 | 109 | 200 | 5.87 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/02/2020 | ND | 223 | 112 | 200 | 10.1 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/02/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.7 % 42.2-156

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Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/01/2020 | Sampling Date: | 09/29/2020 |
| Reported: | 10/07/2020 | Sampling Type: | Soil |
| Project Name: | A 06 PAD | Sampling Condition: | Cool & Intact |
| Project Number: | 02062019-0900-DC (501H) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: HA - 07 2-4' (H002615-17)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.28 | 114 | 2.00 | 3.79 | | |
| Toluene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.21 | 111 | 2.00 | 3.24 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.27 | 114 | 2.00 | 4.04 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/02/2020 | ND | 6.64 | 111 | 6.00 | 4.26 | | |
| Total BTEx | <0.300 | 0.300 | 10/02/2020 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2880 | 16.0 | 10/06/2020 | ND | 448 | 112 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/02/2020 | ND | 218 | 109 | 200 | 5.87 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/02/2020 | ND | 223 | 112 | 200 | 10.1 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/02/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 98.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 42.2-156

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Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/01/2020 | Sampling Date: | 09/29/2020 |
| Reported: | 10/07/2020 | Sampling Type: | Soil |
| Project Name: | A 06 PAD | Sampling Condition: | Cool & Intact |
| Project Number: | 02062019-0900-DC (501H) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: HA - 07 4.5' (H002615-18)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.28 | 114 | 2.00 | 3.79 | |
| Toluene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.21 | 111 | 2.00 | 3.24 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.27 | 114 | 2.00 | 4.04 | |
| Total Xylenes* | <0.150 | 0.150 | 10/02/2020 | ND | 6.64 | 111 | 6.00 | 4.26 | |
| Total BTEx | <0.300 | 0.300 | 10/02/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2680 | 16.0 | 10/06/2020 | ND | 448 | 112 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/02/2020 | ND | 218 | 109 | 200 | 5.87 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/02/2020 | ND | 223 | 112 | 200 | 10.1 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/02/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

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Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/01/2020 | Sampling Date: | 09/30/2020 |
| Reported: | 10/07/2020 | Sampling Type: | Soil |
| Project Name: | A 06 PAD | Sampling Condition: | Cool & Intact |
| Project Number: | 02062019-0900-DC (501H) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: HA - BACKGROUND 0-2' (H002615-19)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.28 | 114 | 2.00 | 3.79 | |
| Toluene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.21 | 111 | 2.00 | 3.24 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.27 | 114 | 2.00 | 4.04 | |
| Total Xylenes* | <0.150 | 0.150 | 10/02/2020 | ND | 6.64 | 111 | 6.00 | 4.26 | |
| Total BTEx | <0.300 | 0.300 | 10/02/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 10/06/2020 | ND | 448 | 112 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/02/2020 | ND | 218 | 109 | 200 | 5.87 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/02/2020 | ND | 223 | 112 | 200 | 10.1 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/02/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.5 % 42.2-156

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Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/01/2020 | Sampling Date: | 09/30/2020 |
| Reported: | 10/07/2020 | Sampling Type: | Soil |
| Project Name: | A 06 PAD | Sampling Condition: | Cool & Intact |
| Project Number: | 02062019-0900-DC (501H) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: HA - BACKGROUND 2-4' (H002615-20)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.28 | 114 | 2.00 | 3.79 | | |
| Toluene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.21 | 111 | 2.00 | 3.24 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.27 | 114 | 2.00 | 4.04 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/02/2020 | ND | 6.64 | 111 | 6.00 | 4.26 | | |
| Total BTEx | <0.300 | 0.300 | 10/02/2020 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/06/2020 | ND | 448 | 112 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/02/2020 | ND | 218 | 109 | 200 | 5.87 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/02/2020 | ND | 223 | 112 | 200 | 10.1 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/02/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 110 % 42.2-156

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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: | 10/01/2020 | Sampling Date: | 09/30/2020 |
| Reported: | 10/07/2020 | Sampling Type: | Soil |
| Project Name: | A 06 PAD | Sampling Condition: | Cool & Intact |
| Project Number: | 02062019-0900-DC (501H) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: HA - BACKGROUND 4.5' (H002615-21)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.28 | 114 | 2.00 | 3.79 | | |
| Toluene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.21 | 111 | 2.00 | 3.24 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/02/2020 | ND | 2.27 | 114 | 2.00 | 4.04 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/02/2020 | ND | 6.64 | 111 | 6.00 | 4.26 | | |
| Total BTEX | <0.300 | 0.300 | 10/02/2020 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/06/2020 | ND | 448 | 112 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/02/2020 | ND | 218 | 109 | 200 | 5.87 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/02/2020 | ND | 223 | 112 | 200 | 10.1 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/02/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 112 % 42.2-156

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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 |

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| | | | | | | | |
|---|--|-------------------------------|--|---------------------------|--|------------------|--|
| Company Name: Advance Energy Partners | | BILL TO | | P.O. #: 02062019-0400-dc | | ANALYSIS REQUEST | |
| Project Manager: Andrew Parker | | Company: AEP | | Attn: Send to | | | |
| Address: On-File | | City: A Parker | | Address: A Parker@advance | | | |
| City: State: Zip: | | City: energypartners.com | | State: Zip: | | | |
| Phone #: Fax #: | | Project Owner: | | City: State: Zip: | | | |
| Project #: Project Name: 02062019-0400-dc | | Project Location: A06 501H Rd | | Phone #: Fax #: | | | |
| Sampler Name: Jacob Saczn | | FOR LAB USE ONLY | | Matrix | | | |
| Lab I.D. | | Sample I.D. | | (G)RAB OR (C)OMP. | | # CONTAINERS | |
| 11 HA-05 | | 2-4FT | | C | | 1 | |
| 12 HA-05 | | 4.5FT | | G | | 1 | |
| 13 HA-06 | | 0-2FT | | C | | 1 | |
| 14 HA-06 | | 2-4FT | | C | | 1 | |
| 15 HA-06 | | 4.5FT | | G | | 1 | |
| 16 HA-07 | | 0-2FT | | C | | 1 | |
| 17 HA-07 | | 2-4FT | | C | | 1 | |
| 18 HA-07 | | 4.5FT | | G | | 1 | |
| 19 HA-Bac Ryland | | 0-2FT | | C | | 1 | |
| 20 HA-Bac Ryland | | 2-4FT | | C | | 1 | |
| 21 HA-Bac Ryland | | 2-4FT | | C | | 1 | |
| 22 HA-Bac Ryland | | 2-4FT | | C | | 1 | |
| 23 HA-Bac Ryland | | 2-4FT | | C | | 1 | |
| 24 HA-Bac Ryland | | 2-4FT | | C | | 1 | |
| 25 HA-Bac Ryland | | 2-4FT | | C | | 1 | |
| 26 HA-Bac Ryland | | 2-4FT | | C | | 1 | |
| 27 HA-Bac Ryland | | 2-4FT | | C | | 1 | |
| 28 HA-Bac Ryland | | 2-4FT | | C | | 1 | |
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| 30 HA-Bac Ryland | | 2-4FT | | C | | 1 | |
| 31 HA-Bac Ryland | | 2-4FT | | C | | 1 | |
| 32 HA-Bac Ryland | | 2-4FT | | C | | 1 | |
| 33 HA-Bac Ryland | | 2-4FT | | C | | 1 | |
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| 38 HA-Bac Ryland | | 2-4FT | | C | | 1 | |
| 39 HA-Bac Ryland | | 2-4FT | | C | | 1 | |
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| 214 HA-Bac Ryland | | 2-4FT | | C | | 1 | |
| 215 HA-Bac Ryland | | 2-4FT | | C | | 1 | |
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|----------------|---------------|
| Incident ID | nCH1903862333 |
| District RP | 1RP-5350 |
| Facility ID | |
| Application ID | |

Remediation Plan

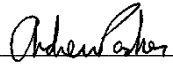
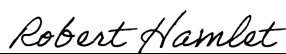
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

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

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

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

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

Printed Name: Andrew ParkerTitle: Env. ScientistSignature: Date: February 4, 2021email: aparker@advanceenergypartners.comTelephone: 970-570-9535**OCD Only**Received by: Robert Hamlet Date: 7/16/2021☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature: Date: 7/16/2021

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 23579

CONDITIONS

| | |
|--|---|
| Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 11490 Westheimer Rd., Ste 950 Houston, TX 77077 | OGRID: 372417 |
| | Action Number: 23579 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|---|----------------|
| rhamlet | The Revised Sampling Plan is approved with the following conditions: When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided. If evidence of depth to ground water within a ½ mile radius of the site cannot be provided, impacted soils will need to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less. Please make sure all groundwater data is included in closure report summary. Soil samples will need to meet Table 1 Closure Criteria for proven depth to water determination. Closure samples should be representative of no more than 200 ft2, unless a variance has been approved. The samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Please make sure the edges/sidewalls are delineated to 600 mg/kg for chlorides and 100 mg/kg for TPH, defining the edge of the release. | 7/16/2021 |