District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Operator:	OGRID:
ADVANCE ENERGY PARTNERS HAT MESA, LLC	372417
11490 Westheimer Rd., Ste 950	Action Number:
Houston, TX 77077	18539
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

#### QUESTIONS

Location of Release Source		
Please answer all of the questions in this group.		
Site Name AO6 20210211-1000-prodops		
Date Release Discovered 02/11/2021		
Surface Owner	State	

#### Incident Details

Please answer all of the questions in this group.		
Incident Type	Produced Water Release	
Did this release result in a fire or is the result of a fire	No	
Has this release reached or does it have a reasonable probability of reaching a watercourse	Νο	
Has this release endangered or does it have a reasonable probability of endangering public health	Νο	
Has this release substantially damaged or will it substantially damage property or the environment	No	
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No	

#### Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Human Error   Frac Tank   Produced Water   Released: 18 BBL   Recovered: 0 BBL   Lost: 18 BBL ]	
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	Yes	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.	
Was this a major release as defined by 19.15.29.7(A) NMAC	No, minor release.	
Reasons why this would be considered a submission for a notification of a major release		
If YES, was immediate notice given to the OCD, by whom	Not answered.	
If YES, was immediate notice given to the OCD, to whom	Not answered.	
If YES, was immediate notice given to the OCD, when	Not answered.	
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	Not answered.	
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.	e. gas only) are to be submitted on the C-129 form.	

#### Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury. The source of the release has been stopped True The impacted area has been secured to protect human health and the True environment Released materials have been contained via the use of berms or dikes, absorbent True pads, or other containment devices All free liquids and recoverable materials have been removed and managed True appropriately

If all the actions described above have not been undertaken, explain why Not answered.

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the

QUESTIONS

Action 18539

#### Received by OCD: 1/31/2023 12541258PPM

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District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Operator:	OGRID:
ADVANCE ENERGY PARTNERS HAT MESA, LLC	372417
11490 Westheimer Rd., Ste 950	Action Number:
Houston, TX 77077	18539
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

#### ACKNOWLEDGMENTS

I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.

I acknowledge that upon submitting this application, I will be creating an new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
 I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment.
 I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination

I acknowledge the fact that the acceptance of a C-141 report by the OCD does not it that pose a threat to groundwater, surface water, human health or the environment.

V acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Action 18539

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District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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

CONDITIONS

Operator:	OGRID:
ADVANCE ENERGY PARTNERS HAT MESA, LLC	372417
11490 Westheimer Rd., Ste 950	Action Number:
Houston, TX 77077	18539
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

#### CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	2/23/2021

CONDITIONS

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Action 18539

#### **Andrew Parker**

From:	OCDOnline@state.nm.us
Sent:	Tuesday, February 23, 2021 7:24 AM
То:	Andrew Parker
Subject:	The Oil Conservation Division (OCD) has accepted the application PO: RWQL4-210222-C-141A.

To whom it may concern (c/o Andrew Parker for ADVANCE ENERGY PARTNERS HAT MESA, LLC),

The OCD has accepted the submitted *Notification of a release* (C-141A), for incident ID (n#) nAPP2105360892, with the following conditions:

• None

Please reference nAPP2105360892, on all subsequent C-141 submissions and communications regarding the remediation of this release.

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

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

Thank you, Ramona Marcus Compliance Officer Advanced 505-470-3044 Ramona.Marcus@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive Santa Fe, NM 87505 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	nAPP2105360892
District RP	
Facility ID	
Application ID	

# **Release Notification**

### **Responsible Party**

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

### **Location of Release Source**

Latitude 32.4195396\_

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: AO6 State Com #1 AEP# 20210211-1000-prodops	Site Type: Production Pad
Date Release Discovered: 02/11/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
Ι	6	22 S	33 E	Lea

Surface Owner: State Federal Tribal Private (Name: \_\_\_\_\_

### Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 18 bbks	Volume Recovered (bbls) 0 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release: Spill	occurred during transport of frac tanks during workover	r operations for Dagger Lake 5 State 801H.

Page 2

Incident ID	nAPP2105360892
District RP	
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Application ID	

Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?
release as defined by	
19.15.29.7(A) NMAC?	
🗌 Yes 🔀 No	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

### **Initial Response**

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

 $\square$  The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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

Printed Name: <u>Andrew Parker</u>	Title: <u>Env. Scientist</u>
Signature: Adventation	Date: _02/22/2021
email: <u>aparker@advanceenergypartners.com</u>	Telephone: <u>970-570-9535</u>
OCD Only	
Received by: Jocelyn Harimon	Date: 01/31/2023

Received by OCD: 1/31/2023 12:41:58 PM State of New Mexico

Oil Conservation Division

	1 488 0 0 0 10
Incident ID	nAPP2105360892
District RP	
Facility ID	
Application ID	

PRag & 76100

# 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? Plate 2	<u>&gt;105</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? Plate 4.	🗌 Yes 🛛 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)? Plate 4	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? Plate 5	🗌 Yes 🛛 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? Plate 3	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? Plate 3 & 4	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? Plate 3	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland? Plate 6	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine? Plate 7	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology? Plate 8	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain? Plate 9	🗌 Yes 🛛 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	🗌 Yes 🛛 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

Page 3

- Data table of soil contaminant concentration data
- $\square$  Depth to water determination
- Determination of water sources and significant watercourses within <sup>1</sup>/<sub>2</sub>-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.

Received by OCD: 1/31/	State of New Mexico		Page 9 of 109				
F0IIII C-141			Incident ID	nAPP2105360892			
Page 4	Oil Conservation Division		District RP				
			Facility ID				
			Application ID				
regulations all operators a public health or the envir failed to adequately inves addition, OCD acceptanc and/or regulations. Printed Name: <u>And</u> Signature: <u>And</u> email: <u>aparker@adva</u>		cations and perform co CD does not relieve the t to groundwater, surfa	prrective actions for rele- operator of liability sho ce water, human health iance with any other fec- ientist	ases which may endanger ould their operations have or the environment. In			
OCD Only Received by:JOC	celyn Harimon	Date:01,	/31/2023				

Received by OCD: 1/31/2023 12:41:58 PM State of New Mexico

Oil Conservation Division

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

Incident ID	nAPP2105360892
District RP	
Facility ID	
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# **Remediation 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. Title: Env. Scientist Printed Name: Andrew Parker (Aden aker Signature: Date: \_\_\_\_\_November 16, 2021 email: <u>aparker@advanceenergypartners.com</u>\_\_\_\_\_ Telephone: <u>970-570-9535</u> **OCD Only** Jocelyn Harimon 01/31/2023 Date: Received by: Approved Approved with Attached Conditions of Approval Denied Deferral Approved Date: 08/01/2022 ennifer Nobili Signature:

Page 5

Page 6

Oil Conservation Division

	Page 11 of 1	09
Incident ID	nAPP2105360892	
District RP		
Facility ID		
Application ID		

# Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.							
A scaled site and sampling diagram as described in 19.15.29.11 NMAC							
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)							
Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)							
Description of remediation activities							
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does for release the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.							
Signature: Date:January 31, 2023							
email:   _aparker@advanceenergyparnters.com   Telephone:   _970-570-9535							
OCD Only							
Received by:   Jocelyn Harimon   Date:   01/31/2023							
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.							
Closure Approved by:							
Printed Name: Jennifer Nobui							



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

January 31, 2023

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

RE: Closure Report Incident #: nAPP2105360892 AEP #: 20210211-1000-prodops Location: AO6 State Com #1

NMOCD:

Advance Energy Partners Hat Mesa LLC (Advance Energy) submits this closure report for incident nAPP2105360892 and respectfully asks for closure of the regulatory file.

The remediation plan was approved by NMOCD, including approval for sample grid size not to exceed 400 square feet, on August 1, 2022. Extension request was approved September 6, 2022. Communications are included in Appendix A.

As described in the Characterization Report and Remediation Plan:

- Characterization sample CS-05W exceeded Closure Criteria for TPH in the upper 1.5feet. GRO/DRO exhibited 2,680 mg/kg. TPH Extended exhibited 2,856 mg/kg. At 2feet below ground surface all constituents met the most stringent Closure Criteria per Table 1 of 19.15.29 NMAC.
- Remaining characterization samples exhibited constituents of concern below the Closure Criteria for area in-use on an active production pad, where depth to water is > 100 ft below ground surface.
  - $\blacktriangleright$  Chloride < 20,000 mg/kg
  - > TPH (GRO + DRO + MRO) < 2,500 mg/kg
  - $\blacktriangleright$  TPH (GRO + DRO) < 1,000 mg/kg
  - $\blacktriangleright$  BTEX < 50 mg/kg
  - ➢ Benzene < 10 mg/kg</p>

Incident #: nAPP2105360892 AEP #: 20210211-1000-prodops

### 1. Remediation and Restoration Activities

On January 17, 2023, sample grids G-03 and G-05 adjacent to the impacted grid were sampled to confirm excavation extent needs. As these samples met most stringent closure criteria for all constituents of concern, the excavation extent was limited to grid G-05W as presented in the approved remediation plan. Prior characterization sample data was augmented with sampling at proposed sample points from approved remediation plan.

As indicated in the October 13, 2021 email communication to NMOCD, characterization samples that met closure criteria would be used as confirmation samples in the closure report (included in Appendix A).

Additional horizontal/lateral delineation samples were obtained to confirm that release extent did not migrate off site.

- Sample grids, associated square footage, and remediation extent are shown on Plate 1a.
- Sample point locations are shown on Plate 1b.
- Table A shows the coordinates of the characterization/confirmation and delineation sample points.

Approximately 13 cubic yards (216 square ft x 1.5 ft depth) of material was transported off site to an approved disposal facility.



Figure 1: View of excavation facing southwest from the northeast corner of remediation extent. Date Taken: 2023-01-20 09:52:20 GPS: 32.4195184, -103.6041535

Following analysis of sample data, the excavated area was backfilled with clean material and restored to an active production site for oil and gas operations.



#### Incident #: nAPP2105360892 AEP #: 20210211-1000-prodops



Figure 2: View of the restored excavation extent facing southwest. Date Taken: 2023-01-30 13:03:53 GPS: 32.4196411, -103.6040696

## 2. Closure Request

Analytical sample data shows that all confirmation sample points meet closure criteria per Table 1 of 19.15.29.12 NMAC for the release area on an active production site that is in use for oil and gas operations, where depth to water is > 100 ft:

- $\blacktriangleright$  Chloride < 20,000 mg/kg
- > TPH (GRO + DRO + MRO) < 2,500 mg/kg
- ➤ TPH (GRO + DRO) < 1,000 mg/kg
- $\blacktriangleright$  BTEX < 50 mg/kg
- ▶ Benzene < 10 mg/kg

Lateral/horizontal delineation sample points met most stringent closure criteria per Table 1 of 19.15.29.12 NMAC:

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

Table B contains a summary of analytical.



Incident #: nAPP2105360892 AEP #: 20210211-1000-prodops

When the production site is no longer in use for oil and gas operations, the surface shall be remediated, restored, and reclaimed per 19.15.29.13.A-D. NMAC

Please contact me with any questions.

Sincerely, Advance Energy Partners

Maren atter

Andrew Parker Env. Scientist

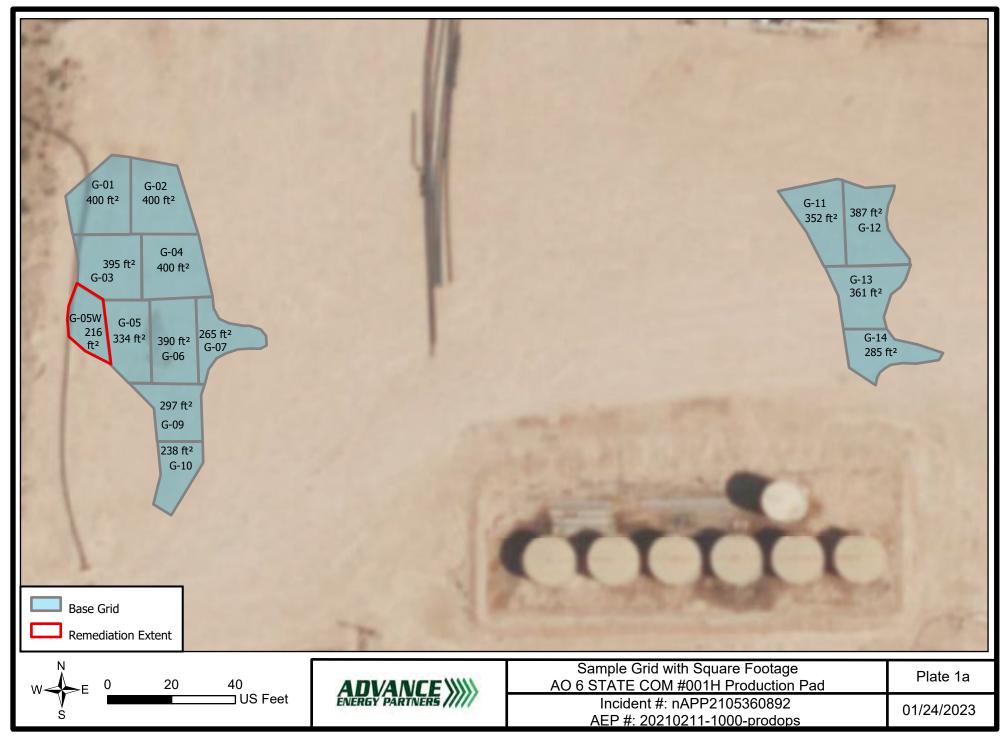
Copy: State Land Office



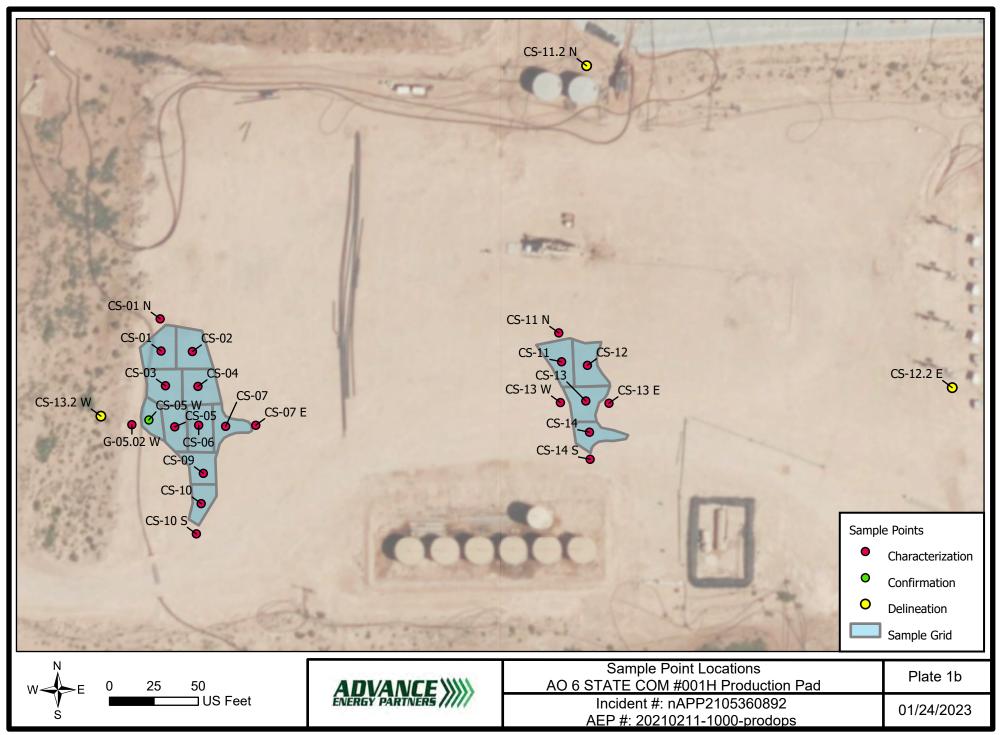
# Plates



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# **Tables**



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#### Table A Sample Point Coordinates

Sample Point	Latitude	Longitude		
CS-01	32.41967628	-103.6041283		
CS-01 N	32.41972605	-103.6041295		
CS-02	32.41967519	-103.6040712		
CS-03	32.41962251	-103.6041207		
CS-04	32.41962117	-103.6040614		
CS-05	32.41955884	-103.6041042		
CS-05 W	32.41956974	-103.6041514		
G-05.02 W	32.41955810	103.6041740		
CS-06	32.41956109	-103.6040606		
CS-07	32.41955906	-103.6040114		
CS-07 E	32.41956038	-103.6039564		
CS-09	32.41948655	-103.6040526		
CS-10	32.41943975	-103.6040570		
CS-10 S	32.41939301	-103.6040662		
CS-11	32.41965540	-103.6033977		
CS-11 N	32.41970011	-103.6034025		
CS-11.2 N	32.42011326	-103.6033484		
CS-12	32.41964966	-103.6033506		
CS-12.2 E	32.41961125	-103.6026854		
CS-13	32.41959451	-103.6033540		
CS-13.2 W	32.41957090	-103.6042299		
CS-13 E	32.41959068	-103.6033118		
CS-13 W	32.41959227	-103.6034004		
CS-14	32.41954614	-103.6033477		
CS-14 S	32.41950419	-103.6033469		

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January 30, 2023

Sample ID	Date	Discrete Depth	Top Depth	Bottom Depth	Location	Chloride	GRO+DRO	TPH Ext.	Benzene	BTEX	Comments	Lab	Lab #
		(Feet)	(Feet)	(Feet)		(PPM)	(PPM)	(PPM)	(PPM)	(PPM)		(Hall/Cardinal)	
NMOCD Closure Criteria													
0 - 4 feet & "not in-use"						600		2,500	10	50			
> 4 ft or "in-use"						20,000	1,000	2,500	10	50			
CS-01	1/19/2023		0	1	On Site	176	<20	<30	<0.05	<0.3		Cardinal	H230291
CS-01	1/19/2023	1.5			On Site	96	<20	<30	<0.05	<0.3		Cardinal	H230291
CS-01 N	8/3/2021		0	1	On Site	96	<30.3	<40.3	<0.05	<0.3		Cardinal	H212093
CS-01 N	8/3/2021	1.5			On Site	272	<20	<30	<0.05	<0.3		Cardinal	H212093
CS-02	1/19/2023		0	1	On Site	224	<20	<30	<0.05	<0.3		Cardinal	H230291
CS-02	1/19/2023	1.5			On Site	240	<20	<30	<0.05	<0.3		Cardinal	H230291
CS-03	1/17/2023		0	1	On Site	16	<20	<30	<0.05	<0.3		Cardinal	H230231
CS-04	8/3/2021		0	1	On Site	64	<20	<30	<0.05	<0.3		Cardinal	H212093
CS-04	8/3/2021	1.5			On Site	64	<20	<30	<0.05	<0.3		Cardinal	H212093
CS-05	1/17/2023		0	1	On Site	112	<20	<30	<0.05	<0.3		Cardinal	H230231
CS-05 W	8/3/2021		0	1.5	On Site	128	<2680	<2856	<0.05	<0.3	Removed	Cardinal	H212093
CS-05 W	1/19/2023	1.5			On Site	464	<20	<30	<0.05	<0.3	Remediated Base Sample	Cardinal	H230291
CS-05 W	8/3/2021	2			On Site	128	<81.9	<91.9	<0.05	<0.3		Cardinal	H212093
CS-05.02 W	10/20/2021		0	1	On Site	128	<20	<30	<0.05	<0.3		Cardinal	H212953
CS-05.02 W	10/20/2021		1	2	On Site	224	<20	<30	<0.05	<0.3		Cardinal	H212953
CS-05.02 W	10/20/2021		2	3	On Site	368	<20	<30	<0.05	<0.3		Cardinal	H212953
CS-05.02 W	10/20/2021		3	4	On Site	32	<20	<30	<0.05	<0.3		Cardinal	H212953
CS-06	8/3/2021		0	1	On Site	48	<20	<30	<0.05	<0.3		Cardinal	H212093
CS-06	8/3/2021	1.5			On Site	16	<20	<30	<0.05	<0.3		Cardinal	H212093
CS-07	1/19/2023		0	1	On Site	48	<20	<30	<0.05	<0.3		Cardinal	H230291
CS-07	1/19/2023	1.5			On Site	80	<20	<30	<0.05	<0.3		Cardinal	H230291
CS-07 E	8/4/2021		0	1	On Site	208	<20	<30	<0.05	<0.3		Cardinal	H212093
CS-07 E	8/4/2021	1.5			On Site	32	<20	<30	<0.05	<0.3		Cardinal	H212093
CS-08											Omit-No Grid or Sample #		
CS-09	8/4/2021		0	1.5	On Site	448	<20	<30	<0.05	<0.3		Cardinal	H212093
CS-09	8/4/2021	2			On Site	80	<20	<30	<0.05	<0.3		Cardinal	H212093
CS-10	1/19/2023		0	1	On Site	752	<20	<30	<0.05	<0.3		Cardinal	H230291
CS-10	1/19/2023	1.5			On Site	80	<20	<30	<0.05	<0.3		Cardinal	H230291
CS-10 S	8/4/2021		0	1	On Site	384	<20	<30	<0.05	<0.3		Cardinal	H212093
CS-10 S	8/4/2021	1.5			On Site	48	<20	<30	<0.05	<0.3		Cardinal	H212093
CS-11	1/19/2023		0	1	On Site	816	<20	<30	<0.05	<0.3		Cardinal	H230291
CS-11	1/19/2023	1.5			On Site	944	<20	<30	<0.05	<0.3		Cardinal	H230291
CS-11 N	8/4/2021		0	1.5	On Site	928	<41.3	<51.3	<0.05	<0.3		Cardinal	H212093
CS-11 N	8/4/2021	2			On Site	112	<20	<30	<0.05	<0.3		Cardinal	H212093
CS-11.2 N	1/19/2023	0			On Site	80	<20	<30	<0.05	<0.3		Cardinal	H230291
CS-12	8/4/2021		0	1	On Site	1360	<20	<30	<0.05	<0.3		Cardinal	H212093
CS-12	8/6/2021	1.5			On Site	688	<20	<30	<0.05	<0.3		Cardinal	H212100
CS-12.2 E	1/19/2023	0			OnSite	80	<20	<30	<0.05	<0.3		Cardinal	H230291

#### Incident #: nAPP2105360892 AEP #: 20210211-1000-prodops AO 6 State Com #1 Production Pad

-

January 30, 2023

Sample ID	Date	Discrete Depth	Top Depth	Bottom Depth	Location	Chloride	GRO+DRO	TPH Ext.	Benzene	BTEX	Comments	Lab	Lab #
		(Feet)	(Feet)	(Feet)		(PPM)	(PPM)	(PPM)	(PPM)	(PPM)		(Hall/Cardinal)	
NMOCD Closure Criteria													
0 - 4 feet & "not in-use"						600		2,500	10	50			
> 4 ft or "in-use"						20,000	1,000	2,500	10	50			
CS-13	8/4/2021		0	1	On Site	608	<45.7	<55.7	<0.05	<0.3		Cardinal	H212093
CS-13	8/4/2021	1.5			On Site	656	<20	<30	<0.05	<0.3		Cardinal	H212093
CS-13 E	8/5/2021		0	1	On Site	768	<20	<30	<0.05	<0.3		Cardinal	H212093
CS-13 E	8/5/2021	2			On Site	480	<20	<30	<0.05	<0.3		Cardinal	H212093
CS-13 W	8/4/2021		0	1	On Site	608	<20	<30	<0.05	<0.3		Cardinal	H212093
CS-13 W	8/4/2021	1.5			On Site	448	<20	<30	<0.05	<0.3		Cardinal	H212093
CS-13.2 W	1/19/2023	0			Off Site	48	<20	<30	<0.05	<0.3		Cardinal	H230291
CS-14	1/19/2023		0	1	On Site	336	<20	<30	<0.05	<0.3		Cardinal	H230291
CS-14	1/19/2023	1.5			On Site	352	<20	<30	<0.05	<0.3		Cardinal	H230291
CS-14 S	8/5/2021		0	1	On Site	192	<20	<30	<0.05	<0.3		Cardinal	H212093
CS-14 S	8/5/2021	1.5			On Site	832	<20	<30	<0.05	<0.3		Cardinal	H212093
Backfill	1/23/2023					64	<20	<30	<0.05	<0.3	Backfill	Cardinal	H230329

#### Incident #: nAPP2105360892 AEP #: 20210211-1000-prodops AO 6 State Com #1 Production Pad

.



# Communications



Released to Imaging: 2/20/2023 11:35 1364 20 Westheimer Rd. Suite 950 Houston, TX 77077

#### **Andrew Parker**

From:	Enviro, OCD, EMNRD <ocd.enviro@emnrd.nm.gov></ocd.enviro@emnrd.nm.gov>
Sent:	Tuesday, January 17, 2023 9:19 AM
То:	Andrew Parker
Cc:	Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD
Subject:	RE: [EXTERNAL] nAPP2105360892 48hr sampling notice AO6 Remediation

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

Report This Email FAQ Protection by INKY

Andrew,

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

JH

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



From: Andrew Parker <aparker@ameredev.com>
Sent: Monday, January 16, 2023 6:19 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] nAPP2105360892 48hr sampling notice AO6 Remediation

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

NMOCD,

Please accept this email as the 48 hour confirmation sampling notice per 19.15.29 NMAC. Sampling is expected to begin on Wednesday January 18<sup>th</sup>. The production pad was used as a staging area for pipelines for construction project. The location has been cleared.

Thank you.

Andrew Parker Environmental Scientist 970-570-9535

#### **Andrew Parker**

From:	Nobui, Jennifer, EMNRD <jennifer.nobui@state.nm.us></jennifer.nobui@state.nm.us>
Sent:	Tuesday, September 6, 2022 10:19 AM
То:	Andrew Parker
Cc:	Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD
Subject:	FW: [EXTERNAL] nAPP2105360892 AO6 Remediation Extension Request

External (jennifer.nobui@state.nm.us)

Report This Email FAQ Protection by INKY

Andrew

OCD approves your request for a 60-day extension to November 4, 2022 to submit a closure report. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Sent: Tuesday, September 6, 2022 9:08 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Subject: Fw: [EXTERNAL] nAPP2105360892 AO6 Remediation Extension Request

From: Andrew Parker <aparker@ameredev.com>
Sent: Tuesday, September 6, 2022 7:33 AM
To: Enviro, OCD, EMNRD <<u>OCD.Enviro@state.nm.us</u>>
Cc: Laura Parker <<u>lparker@ameredev.com</u>>; Jesus Palomares <<u>jpalomares@ameredev.com</u>>; Dayeed Khan
<<u>dkhan@ameredev.com</u>>
Subject: [EXTERNAL] nAPP2105360892 AO6 Remediation Extension Request

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

NMOCD,

On the behalf of Advance Energy Partners, Ameredev respectfully asks NMOCD for a 60-day extension for the remediation and closure report for incident # nAPP2105360892 at the AO6 State Com #1 production site. The remediation area is currently used as a staging area for pipelines for planned infrastructure throughout the Advance Energy lease.



Thank you,

Andrew Parker Environmental Scientist 970-570-9535 AMEREDEV

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, August 1, 2022 11:18 AM
To: Andrew Parker <<u>AParker@advanceenergypartners.com</u>>
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 62808

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

To whom it may concern (c/o Andrew Parker for ADVANCE ENERGY PARTNERS HAT MESA, LLC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2105360892, with the following conditions:

#### • Remediation Plan Approved.

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

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

Thank you, Jennifer Nobui Environmental Specialist-Advanced 505-470-3407 Jennifer.Nobui@state.nm.us

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

#### **Andrew Parker**

From:	OCDOnline@state.nm.us
Sent:	Tuesday, February 23, 2021 7:24 AM
То:	Andrew Parker
Subject:	The Oil Conservation Division (OCD) has accepted the application PO: RWQL4-210222-C-141A.

To whom it may concern (c/o Andrew Parker for ADVANCE ENERGY PARTNERS HAT MESA, LLC),

The OCD has accepted the submitted *Notification of a release* (C-141A), for incident ID (n#) nAPP2105360892, with the following conditions:

• None

Please reference nAPP2105360892, on all subsequent C-141 submissions and communications regarding the remediation of this release.

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

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

Thank you, Ramona Marcus Compliance Officer Advanced 505-470-3044 Ramona.Marcus@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive Santa Fe, NM 87505

#### **Andrew Parker**

From:	Andrew Parker
Sent:	Wednesday, October 13, 2021 4:30 PM
То:	'Enviro, OCD, EMNRD'
Subject:	FW: 48hr sampling notice Incident # nAPP2105360892

NMOCD,

Please accept this email as the 48 hour characterization sampling notice per 19.15.29 NMAC for Incident # nAPP2105360892. The characterization sample will used for confirmation sampling for the forthcoming remediation and closure report. We are obtaining one additional sample to characterize the west release extent. The DTW determination borehole program will be completed tomorrow (Oct 14 2021).

Andrew Parker Environmental Scientist 970-570-9535



From: Andrew Parker
Sent: Friday, July 30, 2021 6:39 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Cc: Boone Bajgier <BBajgier@advanceenergypartners.com>; Jacob Saenz <JSaenz@advanceenergypartners.com>
Subject: 48hr sampling notice Incident # nAPP2105360892

NMOCD,

Please accept this email as the 48 hour characterization sampling notice per 19.15.29 NMAC for Incident # nAPP2105360892. The characterization samples may be utilized as confirmation samples for the forthcoming closure report.

Thank you.

Andrew Parker Environmental Scientist 970-570-9535



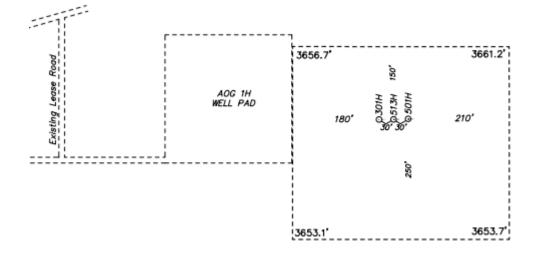
From: Andrew Parker
Sent: Wednesday, April 28, 2021 2:21 PM
To: Enviro, OCD, EMNRD <<u>OCD.Enviro@state.nm.us</u>>
Cc: Boone Bajgier <<u>BBajgier@advanceenergypartners.com</u>>; Randy Black <<u>RBlack@advanceenergypartners.com</u>>;
Subject: Characterization extension request Incident # nAPP2105360892

NMOCD,

Advance Energy Partners respectively asks NMOCD for a 90-day extension to complete characterization of Incident #: nAPP2105360892 (AO6 State Com #1). The AO6 State Com #1 location is being used as the staging area for the drilling and completion of the Dagger Lake 5 State 301H & 513H wells located at the adjacent well pad 400-feet to the east

Photo of drilling office trailers overlying the western release area.





Thank you.

Andrew Parker Environmental Scientist 970-570-9535



# **Appendix B**

# Well Logs



Released to Imaging: 2/20/2023 11:35 1364 20 Westheimer Rd. Suite 950 Houston, TX 77077



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

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10/29/2021

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

Hand Delivered to the DII Office of the State Engineer

Re: Well Record CP-1881 Pod1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, CP-1881 Pod1.

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

Sincerely,

Grow Middle

Lucas Middleton

Enclosures: as noted above

UGE 011 NOV 1 2021 ##414.3

PAGE 1 OF 2

WELL TAG ID NO.



# WELL RECORD & LOG

# OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

NO	OSE POD NO. (WELL NO.)     WELL TAG ID NO.       POD1 (TW-1)     n/a							OSE FILE NO(S). CP-1881				
OCATI	WELL OWNE Advanced H							PHONE (OPTIONAL) 832.672.4700				
MELL I	WELL OWNE 11490 West		ADDRESS Id. Stuit 950					CTTY STATE ZIP Houston TX 77077				
<b>GENERAL AND WELL LOCATION</b>							N					
NER	(FROM GPS	<sup>5)</sup> LOI	IGITUDE	103	36	12	W	- DATUM RE	QUIRED: WGS 84			
1. GEI	descriptio NE SE NE		IG WELL LOCATION TO 22S R33E	STREET ADDRESS A	ND COMMON I	LANDMARK	S – PLS	S (SECTION, TO	OWNSHJIP, RANGE) WH	ERE AVAILABLE		
	LICENSE NO. 124		NAME OF LICENSED		e D. Atkins				NAME OF WELL DR	ILLING COMPANY gineering Associates, 1	00	
						1.20		The state of the state of the state				
	DRILLING ST 10/12/2		DRILLING ENDED 10/12/2021	DEPTH OF COMPLE temporary v	vell material			le depth (FT) 105	ST ENCOUNTERED (FT) n/a			
N	COMPLETED	WELL IS:	artesian	T DRY HOLE	SHALLOW	/ (UNCONFIL	VED)		STATIC WATER LEV	ELL (FT)		
OIL	DRILLING FL	UID:	AIR	MUD	ADDITIVE	S – SPECIFY	:					
DRMA	DRILLING MI	ETHOD:	<b>ROTARY</b>	HAMMER	CABLE TO	IOL 🔽	OTHE	R – SPECIFY:	Holld			
C INFO	DEPTH (feet bgl)		BORE HOLE	(include each casing string, and		OR	CASING CONNECTION		CASING INSIDE DIAM.	CASING WALL THICKNESS	SLOT SIZE	
2. DRHLLING & CASING INFORMATION	FROM TO		DIAM (inches)			1	TYPE ling diameter)	(inches)	(inches)	(inches)		
Se C	0	105	±6.5	Borin	g- HSA		-		-	-	-	
ILING						-						
RIL				1								
2.1				· · · · · · · · · · · · · · · · · · ·					-			
		_					-	_				
						-						
	1			1								
1												
	DEPTH (feet bgl) BORE HOLE				NNULAR SE				AMOUNT			
RIAL	FROM	ТО	DIAM. (inches)	DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTI				ERVAL	(cubic feet) PLACEM		MENT	
3. ANNULAR MATERIAL				11					CSE DIT N	USE DIT NOU 1 2021 PMOLOZ		
NULAF								_				
3. AN												
							-					
FOR	OSE INTERI	NAL USE			PODNO		_	WR-		& LOG (Version 06/3	0/17)	

LOCATION

	DEPTH (feet bgl)			COLOR AN	D TYPE OF MATERIAL E	NCOUNT	TERED -	V	VATER	ESTIMATED YIELD FOR
	FROM	то	THICKNESS (feet)		R-BEARING CAVITIES O				ARING? ES / NO)	WATER- BEARING ZONES (gpm)
	0	14	14	Sand, fine-grained, poorly graded with Caliche, Brown					/ N	
	14	19	5	Caliche, co	onsolidated with fin-grained	and, Whi	ite/Tan	Y	/ √ N	
	19	24	5	Sand, fine-grain	ned, poorly graded with Cali	che, Reda	lish Brown	Y	/ N	
	24	44	20	Sand, fine-gra	ained, poorly graded with cla	y, Reddi	sh Brown	Y	/ N	
3	44	64	20	Sand, fine-	grained, poorly graded with o	lay, Bro	wn Tan	Y	/ N	
T	64	105	41	Sand, fin	e-grained, poorly graded with	h clay, B	rown	7	/ √ N	
4. HYDROGEOLOGIC LOG OF WELL								Y	N	
OF								N N	N	
DQ.								N	N	
ICT								3	N	
DO J								3	N N	
EOI		0						3	N N	
ROC						_		3	Y N	1
QXE								)	' N	
4.1	100000							1	N	
								1	N	
								3	N N	
								)	N	
		_						1	N	
		1						)	N N	
								)	N N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: TOTA							TOTAL ES	TAL ESTIMATED	
			AIR LIFT	BAILER OT	HER – SPECIFY:			WELL YIE	ELD (gpm):	0.00
N	WELL TES	T TEST	RESULTS - ATT TTIME, END TI	ACH A COPY OF DAT ME, AND A TABLE SH	A COLLECTED DURING HOWING DISCHARGE AN	WELL T	ESTING, INCI VDOWN OVEI	UDING DI R THE TES	SCHARGE	METHOD, DD.
TEST; RIG SUPERVISION	MISCELLA	NEOUS IN	FORMATION: Te	emporary well materia et below ground surfa	als removed and the soil b ace, then hydrated bentoni	oring ba te chips	ckfilled using from ten feet	g drill cutti below gro	ngs from to und surface	tal depth to ter to surface.
5. TES			PRILL RIG SUPER elo Trevino, Car		VIDED ONSITE SUPERVI	SION OF	WELL CONS	TRUCTION	OTHER T	IAN LICENSEI
THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOL CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jack Atkins 10/27/20									REGOING TH THE ST	IS A TRUE AN ATE ENGINEE
6. SIGN	Jack Atkins Jackie D. Atkins							10	0/27/2021	
		SIGNAT	TURE OF DRILLE	ER / PRINT SIGNEE	NAME				DATE	
FO	R OSE INTER	NALUSE					WR-20 WEL	L RECORD	& LOG (Ve	rsion 06/30/201
	E NO.				POD NO.	·	TRN NO.			
LO	CATION					WELL	TAG ID NO.			PAGE 2 OF

# CP-1881\_OSE\_Well Record and Log-forsign

**Final Audit Report** 

2021-10-29

# "CP-1881\_OSE\_Well Record and Log-forsign" History

- Document created by Lucas Middleton (lucas@atkinseng.com) 2021-10-29 - 3:53:42 PM GMT- IP address: 69.21.248.123
- Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2021-10-29 - 3:54:01 PM GMT
- Email viewed by Jack Atkins (jack@atkinseng.com) 2021-10-29 - 4:18:46 PM GMT- IP address: 64.90.153.232
- Document e-signed by Jack Atkins (jack@atkinseng.com) Signature Date: 2021-10-29 - 4:19:17 PM GMT - Time Source: server- IP address: 64.90.153.232
- Agreement completed. 2021-10-29 - 4:19:17 PM GMT

DEE DIT NOU 1 2021 PMC: 64





# PLUGGING RECORD



#### NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

.

#### I. GENERAL / WELL OWNERSHIP:

State	Engineer Well Number: CP-1881-POD1
Well	owner:     Advanced Energy Partners     Phone No.:     832.672.4700
Mail	ing address: 11490 Westheimer Rd. Stuit 950
City	Houston State: Texas Zip code:
<u>11. V</u>	VELL PLUGGING INFORMATION:
1)	Name of well drilling company that plugged well:
2)	New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23
3)	Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
4)	Date well plugging began: 10/14/2021 Date well plugging concluded: 10/14/2021
5)	GPS Well Location: Latitude: <u>32</u> deg, <u>25</u> min, <u>22</u> sec Longitude: <u>103</u> deg, <u>36</u> min, <u>12</u> sec, WGS 84
6)	Depth of well confirmed at initiation of plugging as:105 ft below ground level (bgl), by the following manner: weighted tape
7)	Static water level measured at initiation of plugging:n/aft bgl
8)	Date well plugging plan of operations was approved by the State Engineer:07/08/2021
9)	Were all plugging activities consistent with an approved plugging plan? <u>Yes</u> If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):
	* OSE DI NOU 1 2021 PM4;4

Version: September 8, 2009 Page 1 of 2 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	<u>Theoretical Volume</u> of Borehole/ Casing (gallons)	Placement <u>Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
	0-10' Hydrated Bentonite	15.6 galions	15 gallons	Augers	
1	10'-110' Drill Cuttings	Approx. 151 gallons	151 gallons	Boring	
-					
) (					
1 <del></del>					
-					
		MULTIPLY E cubic feet x 7.4 cubic yards x 201.9	3Y AND OBTAIN 1805 = gallons 17 = gallons		
III. SIGN.		····· 4	est I am familian mith	QSE D	IT NOU 1 2021 PM4:00

#### For each interval plugged, describe within the following columns:

#### **III. SIGNATURE:**

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

Jack Atkins 10/27/2021

Date

Signature of Well Driller

Version: September 8, 2009 Page 2 of 2

### DATE\_\_WD-11 Plugging Record-forsign

### **Final Audit Report**

2021-10-29

Created:	2021-10-29
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAtR6dClvgQcGMZKORwRcBWHfk6EYZjwn4

### "DATE\_\_WD-11 Plugging Record-forsign" History

- Document created by Lucas Middleton (lucas@atkinseng.com) 2021-10-29 - 3:51:59 PM GMT- IP address: 69.21.248.123
- Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2021-10-29 - 3:54:13 PM GMT
- Email viewed by Jack Atkins (jack@atkinseng.com) 2021-10-29 - 4:18:25 PM GMT- IP address: 64.90.153.232
- Document e-signed by Jack Atkins (jack@atkinseng.com) Signature Date: 2021-10-29 - 4:18:39 PM GMT - Time Source: server- IP address: 64.90.153.232

Agreement completed. 2021-10-29 - 4:18:39 PM GMT

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### **Appendix C**

### **Certificate of Analysis**



Released to Imaging: 2/20/2023 11:35 1364 20 Westheimer Rd. Suite 950 Houston, TX 77077



August 11, 2021

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 08/05/21 15:20.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

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:	08/05/2021	Sampling Date:	08/03/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 01 N 0-1' (H212093-01)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	2.14	107	2.00	0.146	
Toluene*	<0.050	0.050	08/09/2021	ND	2.18	109	2.00	0.274	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	2.19	110	2.00	1.40	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	6.58	110	6.00	1.50	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	198	98.9	200	5.64	
DRO >C10-C28*	20.3	10.0	08/09/2021	ND	214	107	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					
Surrogate: 1-Chlorooctane	80.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	75.0	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/05/2021	Sampling Date:	08/03/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 01 N 1.5' (H212093-02)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	2.14	107	2.00	0.146	
Toluene*	<0.050	0.050	08/09/2021	ND	2.18	109	2.00	0.274	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	2.19	110	2.00	1.40	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	6.58	110	6.00	1.50	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	198	98.9	200	5.64	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	214	107	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					
Surrogate: 1-Chlorooctane	81.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	73.4	% 38.9-14	2						

### Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/05/2021	Sampling Date:	08/03/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 04 0-1' (H212093-03)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	2.14	107	2.00	0.146	
Toluene*	<0.050	0.050	08/09/2021	ND	2.18	109	2.00	0.274	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	2.19	110	2.00	1.40	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	6.58	110	6.00	1.50	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	198	98.9	200	5.64	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	214	107	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					
Surrogate: 1-Chlorooctane	81.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	75.2	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/05/2021	Sampling Date:	08/03/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 04 1.5' (H212093-04)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	08/09/2021	ND	2.14	107	2.00	0.146	
Toluene*	<0.050	0.050	08/09/2021	ND	2.18	109	2.00	0.274	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	2.19	110	2.00	1.40	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	6.58	110	6.00	1.50	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	198	98.9	200	5.64	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	214	107	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					
Surrogate: 1-Chlorooctane	81.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	75.7	% 38.9-14	2						

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

Received:	08/05/2021	Sampling Date:	08/03/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 06 0-1' (H212093-05)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	2.14	107	2.00	0.146	
Toluene*	<0.050	0.050	08/09/2021	ND	2.18	109	2.00	0.274	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	2.19	110	2.00	1.40	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	6.58	110	6.00	1.50	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	198	98.9	200	5.64	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	214	107	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					
Surrogate: 1-Chlorooctane	87.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	80.1	% 38.9-14	2						

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

Received:	08/05/2021	Sampling Date:	08/03/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 06 1.5' (H212093-06)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	2.14	107	2.00	0.146	
Toluene*	<0.050	0.050	08/09/2021	ND	2.18	109	2.00	0.274	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	2.19	110	2.00	1.40	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	6.58	110	6.00	1.50	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	198	98.9	200	5.64	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	214	107	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					
Surrogate: 1-Chlorooctane	84.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	76.7	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/05/2021	Sampling Date:	08/03/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 05 W 0-1.5' (H212093-07)

BTEX 8021B	mg/	′kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	2.14	107	2.00	0.146	
Toluene*	<0.050	0.050	08/09/2021	ND	2.18	109	2.00	0.274	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	2.19	110	2.00	1.40	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	6.58	110	6.00	1.50	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	198	98.9	200	5.64	
DRO >C10-C28*	2670	10.0	08/09/2021	ND	214	107	200	7.06	
EXT DRO >C28-C36	176	10.0	08/09/2021	ND					
Surrogate: 1-Chlorooctane	76.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	145 9	% 38.9-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/05/2021	Sampling Date:	08/03/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 05 W 2' (H212093-08)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	2.14	107	2.00	0.146	
Toluene*	<0.050	0.050	08/09/2021	ND	2.18	109	2.00	0.274	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	2.19	110	2.00	1.40	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	6.58	110	6.00	1.50	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	198	98.9	200	5.64	
DRO >C10-C28*	71.9	10.0	08/09/2021	ND	214	107	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					
Surrogate: 1-Chlorooctane	85.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	81.3	% 38.9-14	2						

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

Received:	08/05/2021	Sampling Date:	08/04/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 09 0-1.5' (H212093-09)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	2.14	107	2.00	0.146	
Toluene*	<0.050	0.050	08/09/2021	ND	2.18	109	2.00	0.274	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	2.19	110	2.00	1.40	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	6.58	110	6.00	1.50	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	198	98.9	200	5.64	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	214	107	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					
Surrogate: 1-Chlorooctane	78.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.2	% 38.9-14	2						

### Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/05/2021	Sampling Date:	08/04/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 09 2' (H212093-10)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	08/09/2021	ND	2.14	107	2.00	0.146	
Toluene*	<0.050	0.050	08/09/2021	ND	2.18	109	2.00	0.274	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	2.19	110	2.00	1.40	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	6.58	110	6.00	1.50	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	198	98.9	200	5.64	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	214	107	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					
Surrogate: 1-Chlorooctane	84.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	76.7	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/05/2021	Sampling Date:	08/04/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 07 E 0-1' (H212093-11)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	2.14	107	2.00	0.146	
Toluene*	<0.050	0.050	08/09/2021	ND	2.18	109	2.00	0.274	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	2.19	110	2.00	1.40	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	6.58	110	6.00	1.50	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	198	98.9	200	5.64	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	214	107	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					
Surrogate: 1-Chlorooctane	85.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	77.2	% 38.9-14	2						

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Received:	08/05/2021	Sampling Date:	08/04/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 07 E 1.5' (H212093-12)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	2.14	107	2.00	0.146	
Toluene*	<0.050	0.050	08/09/2021	ND	2.18	109	2.00	0.274	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	2.19	110	2.00	1.40	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	6.58	110	6.00	1.50	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	198	98.9	200	5.64	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	214	107	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					
Surrogate: 1-Chlorooctane	81.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	73.5	% 38.9-14	2						

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Received:	08/05/2021	Sampling Date:	08/04/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 10 S 0-1' (H212093-13)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	2.14	107	2.00	0.146	
Toluene*	<0.050	0.050	08/09/2021	ND	2.18	109	2.00	0.274	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	2.19	110	2.00	1.40	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	6.58	110	6.00	1.50	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2021	ND	215	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	08/07/2021	ND	207	103	200	0.104	
EXT DRO >C28-C36	<10.0	10.0	08/07/2021	ND					
Surrogate: 1-Chlorooctane	77.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	76.0	% 38.9-14	2						

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Received:	08/05/2021	Sampling Date:	08/04/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 10 S 1.5' (H212093-14)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	2.14	107	2.00	0.146	
Toluene*	<0.050	0.050	08/09/2021	ND	2.18	109	2.00	0.274	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	2.19	110	2.00	1.40	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	6.58	110	6.00	1.50	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2021	ND	198	98.9	200	5.64	
DRO >C10-C28*	<10.0	10.0	08/10/2021	ND	214	107	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/10/2021	ND					
Surrogate: 1-Chlorooctane	81.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	75.4	% 38.9-14	2						

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Received:	08/05/2021	Sampling Date:	08/04/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 11 N 0-1.5' (H212093-15)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	2.14	107	2.00	0.146	
Toluene*	<0.050	0.050	08/09/2021	ND	2.18	109	2.00	0.274	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	2.19	110	2.00	1.40	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	6.58	110	6.00	1.50	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2021	ND	198	98.9	200	5.64	
DRO >C10-C28*	31.3	10.0	08/10/2021	ND	214	107	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/10/2021	ND					
Surrogate: 1-Chlorooctane	80.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.9	% 38.9-14	2						

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Received:	08/05/2021	Sampling Date:	08/04/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 11 N 2' (H212093-16)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	2.14	107	2.00	0.146	
Toluene*	<0.050	0.050	08/09/2021	ND	2.18	109	2.00	0.274	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	2.19	110	2.00	1.40	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	6.58	110	6.00	1.50	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	193	96.4	200	0.984	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	209	104	200	0.104	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					
Surrogate: 1-Chlorooctane	99.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	111 9	38.9-14	2						

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Received:	08/05/2021	Sampling Date:	08/04/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 12 0-1' (H212093-17)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	2.14	107	2.00	0.146	
Toluene*	<0.050	0.050	08/09/2021	ND	2.18	109	2.00	0.274	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	2.19	110	2.00	1.40	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	6.58	110	6.00	1.50	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	193	96.4	200	0.984	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	209	104	200	0.104	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					
Surrogate: 1-Chlorooctane	89.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	98.6	% 38.9-14	2						

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Received:	08/05/2021	Sampling Date:	08/04/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 13 W 0-1' (H212093-19)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	2.14	107	2.00	0.146	
Toluene*	<0.050	0.050	08/09/2021	ND	2.18	109	2.00	0.274	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	2.19	110	2.00	1.40	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	6.58	110	6.00	1.50	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	193	96.4	200	0.984	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	209	104	200	0.104	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					
Surrogate: 1-Chlorooctane	92.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	103 9	38.9-14	2						

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Received:	08/05/2021	Sampling Date:	08/04/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 13 W 1.5' (H212093-20)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	2.14	107	2.00	0.146	
Toluene*	<0.050	0.050	08/09/2021	ND	2.18	109	2.00	0.274	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	2.19	110	2.00	1.40	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	6.58	110	6.00	1.50	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	193	96.4	200	0.984	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	209	104	200	0.104	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					
Surrogate: 1-Chlorooctane	101	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	113 9	38.9-14	2						

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Received:	08/05/2021	Sampling Date:	08/04/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 13 0-1' (H212093-21)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	2.14	107	2.00	0.146	
Toluene*	<0.050	0.050	08/09/2021	ND	2.18	109	2.00	0.274	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	2.19	110	2.00	1.40	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	6.58	110	6.00	1.50	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	193	96.4	200	0.984	
DRO >C10-C28*	35.7	10.0	08/09/2021	ND	209	104	200	0.104	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					
Surrogate: 1-Chlorooctane	87.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	98.9	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/05/2021	Sampling Date:	08/04/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 13 1.5' (H212093-22)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	1.77	88.6	2.00	5.25	
Toluene*	<0.050	0.050	08/09/2021	ND	1.93	96.4	2.00	5.12	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	1.85	92.6	2.00	6.02	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	5.58	92.9	6.00	5.78	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2021	ND	193	96.4	200	0.984	
DRO >C10-C28*	<10.0	10.0	08/09/2021	ND	209	104	200	0.104	
EXT DRO >C28-C36	<10.0	10.0	08/09/2021	ND					
Surrogate: 1-Chlorooctane	92.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	103	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/05/2021	Sampling Date:	08/05/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 14 S 0-1' (H212093-23)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	1.77	88.6	2.00	5.25	
Toluene*	<0.050	0.050	08/09/2021	ND	1.93	96.4	2.00	5.12	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	1.85	92.6	2.00	6.02	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	5.58	92.9	6.00	5.78	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2021	ND	193	96.4	200	0.984	
DRO >C10-C28*	<10.0	10.0	08/10/2021	ND	209	104	200	0.104	
EXT DRO >C28-C36	<10.0	10.0	08/10/2021	ND					
Surrogate: 1-Chlorooctane	98.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	112 9	38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/05/2021	Sampling Date:	08/05/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 14 S 1.5' (H212093-24)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	1.77	88.6	2.00	5.25	
Toluene*	<0.050	0.050	08/09/2021	ND	1.93	96.4	2.00	5.12	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	1.85	92.6	2.00	6.02	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	5.58	92.9	6.00	5.78	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2021	ND	193	96.4	200	0.984	
DRO >C10-C28*	<10.0	10.0	08/10/2021	ND	209	104	200	0.104	
EXT DRO >C28-C36	<10.0	10.0	08/10/2021	ND					
Surrogate: 1-Chlorooctane	101	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	110 9	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/05/2021	Sampling Date:	08/05/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 13 E 0-1' (H212093-25)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	1.77	88.6	2.00	5.25	
Toluene*	<0.050	0.050	08/09/2021	ND	1.93	96.4	2.00	5.12	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	1.85	92.6	2.00	6.02	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	5.58	92.9	6.00	5.78	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2021	ND	193	96.4	200	0.984	
DRO >C10-C28*	<10.0	10.0	08/10/2021	ND	209	104	200	0.104	
EXT DRO >C28-C36	<10.0	10.0	08/10/2021	ND					
Surrogate: 1-Chlorooctane	87.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.6	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

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:	08/05/2021	Sampling Date:	08/05/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	Cool & Intact
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 13 E 2' (H212093-26)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2021	ND	1.77	88.6	2.00	5.25	
Toluene*	<0.050	0.050	08/09/2021	ND	1.93	96.4	2.00	5.12	
Ethylbenzene*	<0.050	0.050	08/09/2021	ND	1.85	92.6	2.00	6.02	
Total Xylenes*	<0.150	0.150	08/09/2021	ND	5.58	92.9	6.00	5.78	
Total BTEX	<0.300	0.300	08/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2021	ND	193	96.4	200	0.984	
DRO >C10-C28*	<10.0	10.0	08/10/2021	ND	209	104	200	0.104	
EXT DRO >C28-C36	<10.0	10.0	08/10/2021	ND					
Surrogate: 1-Chlorooctane	105	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	114 9	% 38.9-14	2						

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

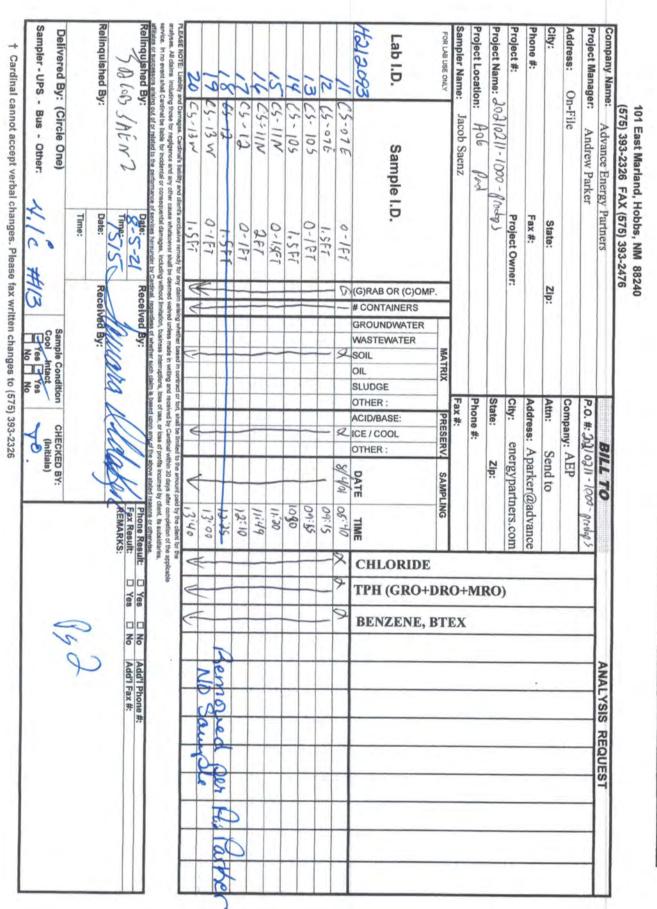
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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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	Time:	Date:	TIPE 200	Date:	vices hereinder for a vibation of a shall be o al damages, including vices hereinder for f	afi	O-1.SET	OFT	0-1.5FT	1.557	0-IFT	1.5FT	0-157	1.5 FT	0-187				290	Project Owner:	Fax #:	State:			rtners	75) 393-247
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CH					in oontract or tort, shall be limited to writing and received by Cardinal w intuptions, loss of use, or loss of pro- rets shall be been done on a start to				-			_	-	-	ý.	OTHER : ACID/BASE: CE / COOL DTHER :	Fax #:	Phone #:	State:	city: ene	Address: A	Attn: S	Company: AEP	P.O. #: 20210211 - 1000-p rudefs	BI	
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† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



### Page 67 of 109

## Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 29 of 30

## Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Delivered By: (Circle One) Sampler - UPS - Bus - Other	Relinquished By:	SALLY SAEN2	analyzes. All claims including these for noglogeness assume tennony on any cama ranking whether based in soverad or both, availe be limited to the amount paid by the cleant for the analyzes. All claims including these for noglogeness and any other states watabase to be writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidential or connectuential damages, including without limitation, business made in writing and received by Cardinal within 30 days after completion of the applicable attribute or successors arising out of or melded to the performance of services herwardor by Cardinal instructions, the source autor days after completions of the access of the above stated reasons or otherwise.	TEASE NOTE: Liability and D	36 (	asi	240	200	and	2 10	Lab I.D.	FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name: 20210211-100-	Project #:	Phone #:	City:	Address: On-	Project Manager:	company name.
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August 11, 2021

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 08/06/21 13:50.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	08/06/2021	Sampling Date:	08/06/2021
Reported:	08/11/2021	Sampling Type:	Soil
Project Name:	A 06 PAD	Sampling Condition:	** (See Notes)
Project Number:	20210211 - 1000 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 12 1.5' (H212100-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2021	ND	1.81	90.5	2.00	7.16	
Toluene*	<0.050	0.050	08/10/2021	ND	1.98	99.0	2.00	7.01	
Ethylbenzene*	<0.050	0.050	08/10/2021	ND	1.91	95.3	2.00	7.19	
Total Xylenes*	<0.150	0.150	08/10/2021	ND	5.72	95.3	6.00	6.67	
Total BTEX	<0.300	0.300	08/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	08/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2021	ND	218	109	200	5.27	
DRO >C10-C28*	<10.0	10.0	08/10/2021	ND	203	101	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	08/10/2021	ND					
Surrogate: 1-Chlorooctane	84.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	81.3	% 38.9-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

### Cardinal Laboratories

### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever 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 whose 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 whose share there applied by the services arise 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.

Celeg D. Keine

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: Advan	The Part Part					
	Andrew Parker		BILL TO	197	ANALYSIS	SIS REQUEST
Address: On-File			Company: AFP	Chail		
City:	State:	Zip:	Attn: Send to			
Phone #:	Fax #:		000	advance		
Project #:	Project Owner:	ler:	City: energynartr	Inte nom		
Project Name: 202 /0211-1000	- Ano		~			
Project Location: AOC	2		otate. Zip:			
Sampler Name: Jacob Saenz	aenz		- HOHO IR.	+1	(	
٦		-	Fax #:	0	6.2	
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Delivered By: (Circle One) Sampler - UPS - Bus - Other:	er 24.0 c	Sample Condition Cool Intact	CHECKED BY: (Initials)	Brank	+ straig	1 th all

Page 4 of 4



October 22, 2021

ANDREW PARKER ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON, TX 77077

RE: A 06

Enclosed are the results of analyses for samples received by the laboratory on 10/20/21 14:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

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:	10/20/2021	Sampling Date:	10/20/2021
Reported:	10/22/2021	Sampling Type:	Soil
Project Name:	A 06	Sampling Condition:	** (See Notes)
Project Number:	20210211 - 1000	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 05.02 W 0-1' (H212953-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2021	ND	2.04	102	2.00	4.06	
Toluene*	<0.050	0.050	10/21/2021	ND	2.00	99.9	2.00	4.13	
Ethylbenzene*	<0.050	0.050	10/21/2021	ND	1.96	98.2	2.00	4.83	
Total Xylenes*	<0.150	0.150	10/21/2021	ND	5.96	99.4	6.00	5.28	
Total BTEX	<0.300	0.300	10/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/21/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2021	ND	218	109	200	9.78	
DRO >C10-C28*	<10.0	10.0	10/21/2021	ND	206	103	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	10/21/2021	ND					
Surrogate: 1-Chlorooctane	93.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	87.2	% 38.9-14	2						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/20/2021	Sampling Date:	10/20/2021
Reported:	10/22/2021	Sampling Type:	Soil
Project Name:	A 06	Sampling Condition:	** (See Notes)
Project Number:	20210211 - 1000	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 05.02 W 1-2' (H212953-02)

BTEX 8021B	mg/	kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2021	ND	2.01	101	2.00	5.38	
Toluene*	<0.050	0.050	10/21/2021	ND	1.96	98.0	2.00	5.06	
Ethylbenzene*	<0.050	0.050	10/21/2021	ND	1.91	95.7	2.00	5.72	
Total Xylenes*	<0.150	0.150	10/21/2021	ND	5.76	96.0	6.00	6.75	
Total BTEX	<0.300	0.300	10/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/21/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2021	ND	218	109	200	9.78	
DRO >C10-C28*	<10.0	10.0	10/21/2021	ND	206	103	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	10/21/2021	ND					
Surrogate: 1-Chlorooctane	92.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	87.2	% 38.9-14	2						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/20/2021	Sampling Date:	10/20/2021
Reported:	10/22/2021	Sampling Type:	Soil
Project Name:	A 06	Sampling Condition:	** (See Notes)
Project Number:	20210211 - 1000	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 05.02 W 2-3' (H212953-03)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2021	ND	2.01	101	2.00	5.38	
Toluene*	<0.050	0.050	10/21/2021	ND	1.96	98.0	2.00	5.06	
Ethylbenzene*	<0.050	0.050	10/21/2021	ND	1.91	95.7	2.00	5.72	
Total Xylenes*	<0.150	0.150	10/21/2021	ND	5.76	96.0	6.00	6.75	
Total BTEX	<0.300	0.300	10/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	10/21/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2021	ND	218	109	200	9.78	
DRO >C10-C28*	<10.0	10.0	10/21/2021	ND	206	103	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	10/21/2021	ND					
Surrogate: 1-Chlorooctane	89.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.6	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/20/2021	Sampling Date:	10/20/2021
Reported:	10/22/2021	Sampling Type:	Soil
Project Name:	A 06	Sampling Condition:	** (See Notes)
Project Number:	20210211 - 1000	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: CS - 05.02 W 3-4' (H212953-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2021	ND	2.01	101	2.00	5.38	
Toluene*	<0.050	0.050	10/21/2021	ND	1.96	98.0	2.00	5.06	
Ethylbenzene*	<0.050	0.050	10/21/2021	ND	1.91	95.7	2.00	5.72	
Total Xylenes*	<0.150	0.150	10/21/2021	ND	5.76	96.0	6.00	6.75	
Total BTEX	<0.300	0.300	10/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/21/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2021	ND	218	109	200	9.78	
DRO >C10-C28*	<10.0	10.0	10/21/2021	ND	206	103	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	10/21/2021	ND					
Surrogate: 1-Chlorooctane	101	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	96.7	% 38.9-14	2						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

### Cardinal Laboratories

### \*=Accredited Analyte

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Celeg D. Keine

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

ess:     On-File     State:     Zip:       et #:     Fax #:     Fax #:     Fax #:       et #:     I acob     Project Owner:     I       ct Name:     Jacob     Saenz     I       oler Name:     Jacob     Saenz     I       1     Jacob     Saenz     I       1     CS - 05, 02 W     0-1 FT     GROUNDWATER       2     CS - 05, 02 W     1-2 FT     I       3     CS - 05, 02 W     1-2 FT     I       4     CS - 05, 02 W     1-2 FT     I       3     CS - 05, 02 W     1-2 FT     I       4     CS - 05, 02 W     1-2 FT     I       4     CS - 05, 02 W     1-2 FT     I       4     CS - 05, 02 W     1-2 FT     I       4     CS - 05, 02 W     1-2 FT     I       4     CS - 05, 02 W     1-2 FT     I       5     01 L     Studge     I	ess:       On-File       State:       Zip:       Attn::       Send to         ef#:       2021011 - joco       Project Owner:       Fax #:       Address:       Aparker@advance         ef#:       2021011 - joco       Project Owner:       Etw::       State:       Zip:       Address:       Aparker@advance         ef#:       2021011 - joco       Project Owner:       Etw::       State:       Zip:       Phone #:       Etw::       Zip:         et Name:       Jacob Saenz       Project Owner:       Fax #:       Phone #:       Etw::       Zip:         bind:       Jacob Saenz       Fax #:       Project Owner:       Fax #:       Phone #:       Fax #:	Project Manager:	Advance Energy Partners Andrew Parker		10.1	P.O. #: 202 02	- 112	1000			
State:       Zip:       Atm:       Send to         ef#: $fax #:$ Fax #:       Address:       Aparker(@advance         ef#: $Laberonkrv$ Project Owner:       City:       energypartners.com         ef#: $Laberonkrv$ Jacob Saenz       Phone #:       Phone #:       Phone #:         eff Name:       Jacob Saenz       Fax #:       Fax #:       Preserv       Samplung         Auseronkrv       Jacob Saenz       Fax #:       Fax #:       Preserv       Samplung         Auseronkrv       Jacob Saenz       Fax #:       Fax #:       Fax #:       Tip:         auseronkrv       Jacob Saenz       Fax #:       Fax #:       Fax #:       Tip:         auseronkrv       Jacob Saenz       MATRIX       PRESErvV       Samplung         CS = $oS_{-} oS_{-} oZ_{-} W_{-1} + Fr       G       GROUNDWATER       DaTE       Time         AC (S = oS_{-} oS_{-} OZ_{-} W_{-1} + Fr       G       GROUNDWATER       DaTE       Time         V       J       Jacob Saenz       Jacob Saenz       Jacob Saenz       Jacob Saenz       Jacob Saenz         V       GROUNDWATER       MATRIX       PRESErvV       Samplung       Jacob Saenz       Jacob Saenz      $	State:       Zip:       Atm:       Send to         eff:       Fax #:       Fax #:       Address:       Aparker(@advance)         eff:       Address:       Aparker(@advance)       State:       Zip:         eff:       Aparker(@advance)       State:       Zip:       Phone #:       Phone #:         eff:       Sample I.D.       Sample I.D.       MATRIX       PRESERV       SamPluke         2       C:S-oS, o2.w       1-2: Fi       G       GROUNDWATER       MATRIX       Phone #:         3       C:S-oS, o2.w       2-3: Fi       V       No ::5:       V       No ::5:       V         4       V       V       V       V       V       V	Address: On-File			C	company: AEP	P		-	_	
eff:       Fax #:       Fax #:       Address:       Address:       Address:       Address:       Address:       Address:       Address:       City:       encrgypartners.com         cit Name:       Jacob Saenz       Project Owner:       State:       Zip:       Phone #:       Zip:       Z	eff: $Pax #:$ Fax #:       Address: Aparker(@advance         cet Hame: $J_{coc}$ Project Owner:       City:       encrgy partners.com         cet Location:       AO $f_{coc}$ Project Owner:       State: $Z_{coc}$ cet Location:       AO $f_{coc}$ Project Owner:       Phone #:       Phone #:       Phone #:         our cools arenz       Jacob Saenz       Paume inters.com       Rax #:       Phone #:       Phone #:       Phone #:         2       CS - oS, 02 W       0-1       F1       G (G) RAB OR (C)OMP.       MATRIX       PRESERV       Samplung         3       CS - oS, 02 W       1-2       F1       G (G) RAB OR (C)OMP.       Nature       Matrix         4       GS - oS, 02 W       1-2       F1       G (G) RAB OR (C)OMP.       Nature       Nature       Nature         4       GS - oS, 02 W       1-2       F1       G (G) THER :       Nature       Nature       Nature       Nature         4       GS - oS, 02 W       2-3       F1       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V </td <td>City:</td> <td>State:</td> <td>Zip:</td> <td>A</td> <td></td> <td>id to</td> <td></td> <td></td> <td>_</td> <td></td>	City:	State:	Zip:	A		id to			_	
on:     AO     Broject Owner:     City:     energy partners.com        Jacob Saenz     Phone #:     Phone #:     Phone #:         Sample I.D.     Sample I.D.     Fax #:     PRESERV           PRESERV     SAMPLING            PRESERV     SAMPLING            PRESERV     SAMPLING            PRESERV     SAMPLING            PRESERV     SAMPLING            PRESERV     SAMPLING             PRESERV     SAMPLING <td< td=""><td>Interface     Project Owner:     City:     Ci</td><td>Phone #:</td><td>Fax #:</td><td></td><td>A</td><td>ddress: Apa</td><td>rker@adv</td><td>/ance</td><td></td><td>_</td><td></td></td<>	Interface     Project Owner:     City:     Ci	Phone #:	Fax #:		A	ddress: Apa	rker@adv	/ance		_	
Image: State     State     State       Incode Saemz     Incode Saemz     Phone #:       Incode Saemz     Sample I.D.     Sample I.D.       CS - oS, 02 W     0-1     PT       CS - oS, 02 W     1-2     PT       CS - oS, 02 W     1-3	Image: State     State     State     Zip:       Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz       Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz       Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz       Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz       Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz       Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz       Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz       Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz       Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz       Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz       Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz       Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz       Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz     Incode Saemz       Incode Saemz     Incode Saemz	Project #: 202   02	joac)	'n	0		ypartners	.com	0		
Phone #:       Jacob Saenz       Preservent       Sample I.D.         Sample I.D.       Sample I.D.       Sample I.D.       Fax #:         CS - 05, 02 W       0-1       F1       GROUNDWATER       Fax #:         V       1-2       F1       GROUNDWATER       MATRX       PRESERV       SAMPLING         V       1-2       F1       GROUNDWATER       WASTEWATER       MATRX       PRESERV       SAMPLING         V       1-2       F1       GROUNDWATER       WASTEWATER       MATRX       PRESERV       SAMPLING         V       1-2       F1       V       GROUNDWATER       MATRX       PRESERV       SAMPLING         V       1-2       F1       V       GROUNDWATER       MATRX       PRESERV       SAMPLING         V       1-2       F1       V       GROUNDWATER       MATRX       PRESERV       SAMPLING         V       3-4       F1       V       GROUNDWATER       MATRX       SAMPLING         V       1-2       OIL       SLUDGE       OTHER :       MATRX       SAMPLING         V       10:55       V       V       10:55       V       V       10:55         V       1 <t< td=""><td>Phone #:       Jacob Saenz       Fax #:         Iacob Saenz       Sample I.D.       Sample I.D.         CS - 05, 02 W       0-1 FT       G (G)RAB OR (C)OMP.         CS - 05, 02 W       1-2 FT       G (G)RAB OR (C)OMP.         WASTEWATER       MATRIX       PRESERV         Solution       3-4 FT       4       GROUNDWATER         V       1-2 FT       G (G)RAB OR (C)OMP.       MATRIX         VASTEWATER       MATRIX       PRESERV       SAMPLING         V       1-2 FT       G (G)RAB OR (C)OMP.       MATRIX         VASTEWATER       MATRIX       PRESERV       SAMPLING         V       1-2 FT       V       GROUNDWATER       MATRIX         VASTEWATER       VASTEWATER       DATE       TIME         V       V       10:50       ACID/BASE:       10:50         V       V       10:55       X       CHLORIDE         V       V       10:55       X       TPH (GRO+DRO+M</td><td>Project Name:</td><td>1</td><td></td><td>S</td><td></td><td>9</td><td></td><td>RO</td><td></td><td></td></t<>	Phone #:       Jacob Saenz       Fax #:         Iacob Saenz       Sample I.D.       Sample I.D.         CS - 05, 02 W       0-1 FT       G (G)RAB OR (C)OMP.         CS - 05, 02 W       1-2 FT       G (G)RAB OR (C)OMP.         WASTEWATER       MATRIX       PRESERV         Solution       3-4 FT       4       GROUNDWATER         V       1-2 FT       G (G)RAB OR (C)OMP.       MATRIX         VASTEWATER       MATRIX       PRESERV       SAMPLING         V       1-2 FT       G (G)RAB OR (C)OMP.       MATRIX         VASTEWATER       MATRIX       PRESERV       SAMPLING         V       1-2 FT       V       GROUNDWATER       MATRIX         VASTEWATER       VASTEWATER       DATE       TIME         V       V       10:50       ACID/BASE:       10:50         V       V       10:55       X       CHLORIDE         V       V       10:55       X       TPH (GRO+DRO+M	Project Name:	1		S		9		RO		
Jacob Saenz Jacob Saenz Jacob Saenz Jacob Saenz Sample I.D. Sample	Jacob Saenz  Jacob Saenz  Sample I.D.  CS - 05, 02.W  1-2. Pf  GROUNDWATER  GROUNDWATER  MATRIX From Sample I.D.  Sample I.D.  Sample I.D.  CS - 05, 02.W  1-2. Pf  GROUNDWATER  SoliL  SLUDGE  TIME TIME INS  CS - 05, 02.W  3-4 Ff  V  SoliL  SLUDGE  TIME INS  CHLORIDE V  V  V  TPH (GRO+DRO	on:	-		P	hone #:			+M	-	
Sample I.D.     Sample I.D.       CS - 05, 02 W     0-1       CS - 05, 02 W     1-2       FT     C       GROUNDWATER       WASTEWATER       WASTEWATER       VASTEWATER       VASTEWATER       VASTEWATER       VASTEWATER       IDIL       SUDDGE       OTHER :       VASTEWATER	MATRIX     PRESERV       Sample I.D.     Sample I.D.       CS - 05, 02 W     0-1 PT       CS - 05, 02 W     1-2 PT       I - 10 PT     1-2 PT       I - 10 PT     1-2 PT		cob Saenz		T	ax #:			0	-	
CS         CS         Sample I.D.           CS         05,02,02,02,00         0-1         FT           CS         05,02,02,02,00         0-1         FT           CS         05,02,02,00         0-1         FT           CS         02,02,00         0-1         FT           CS         02,02,00         # CONTAINERS         GROUNDWATER           WASTEWATER         V         V         SoliL           OIL         SLUDGE         OTHER :         ACID/BASE:           C         V         V         Io:10,20         Io:10,20           V         V         V         V         Io:10,20         Io:10,20           V         V         V         V         V         V         V           V         V         V         V         V         V         V           V         V <td>CUN     Sample ID       CS-05,02W     I-2       PT     FT       S-05,02W     I-2       S-05,02W     I-2       S-01     OIL       Soll     OIL       SLUDGE     OTHER:       ACID/BASE:     IO       IO     IO:55       IO:55     IO:55       IO:55     IO:55       IO:55     IO       IO:55     IO       IO:55     IO       IO:55     IO       IO:55     IO       IO:55     IO</td> <td>FOR LAB USE ONLY</td> <td></td> <td></td> <td>MATRIX</td> <td>PRESERV.</td> <td>SAMPLING</td> <td>E</td> <td></td> <td></td> <td></td>	CUN     Sample ID       CS-05,02W     I-2       PT     FT       S-05,02W     I-2       S-05,02W     I-2       S-01     OIL       Soll     OIL       SLUDGE     OTHER:       ACID/BASE:     IO       IO     IO:55       IO:55     IO:55       IO:55     IO:55       IO:55     IO       IO:55     IO       IO:55     IO       IO:55     IO       IO:55     IO       IO:55     IO	FOR LAB USE ONLY			MATRIX	PRESERV.	SAMPLING	E			
CS-05,02W 0-1 FT 6 X 4 10:20 10:50 X X CS-05,02W 1-2 FT 1 1 1 1 1 10:45 CS-05,02W 2-3 FT 1 1 1 1 1 10:45 CS-05,02W 3-4FT V V V V 11:05 V V	CS-05,02W 0-1 FT 6 X 4 10.20 10:50 X X CS-05,02W 1-2 FT 1 1 1 1 1 1 1 10:45 CS-05,02W 2-3 FT V J J 1 1 10:55 J 1 CS-05,02W 3-4FT V J J 1 1 10:55 J 1 CS-05,02W 3-4FT V J J 1 1 10:55 J 1 CS-05,02W 3-4FT V J J 1 1 1 10:55 J 1 CS-05,02W 3-4FT V J J 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Lab I.D.	Sample I.D.	# CONTAINERS	SOIL OIL SLUDGE	ACID/BASE: ICE / COOL					
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(S-05.02W 3-4FT V J J J J J	(S-05.02W 3-4FT V J J J V	20	05.02W 1-2	-			1 10	1:45		-	
		CS	W10, 20	÷	4	4	¢.	A 50:		¢	1 1
In and clerin's exclusive remdy for any claim arising whether based in contract or bot, shall be limited to the amount paid any other cause whatscorver shall be deemed waived unless made in writing and received by Caudinal what of days after any consequential damages, including without limitation, basiness letterruptions, bass of uses of the adone stuated by day and consequential damages, including without limitation, balances letterruptions, bass of uses of the adone stuated by day and consequential damages.		Relinquished By:	Date: 10-2 Time:4	P				none Résult: IX Result: EMARKS:		Yes I No	00
Cardinal's lability and clearts exclusive remotify for any dama sning whether based in contract or tot, shall be limited to the amount paid by the client to the these for negligence and any other cause whateoner is that be demond waved unless make in writing and created by Cardinal within 30 days after completion for a applicable for incidental or onsequential damages, including without initiation, basiness heteroption, loss of use, or based to the an of petite its auto-cliente.         and or instands to the performance of services heteroption, based on the standard to the active standard reasons or offsetvites.       Impercedential cardinal regardless of waveful the standard using a state completion.         Outer:       Date:       Outer:       Received BY:       Phone Result:       Yes       Impercedentia:         Imperced:       Date:       Ves       Impercedentia:       Impercedentia:       Yes       Impercedentia:	And of or valuade to the performance of werkes hereinder by Cardinal regarded and werkes with claim is based upon any of the ancie stated readors of organization of the performance of	Relinguished By:	Q.4 e C	-0.5 c Sam	By: Sample Condition Cool Intact Cool Intact	n CHECKED BV: (Initials)	DBY: Is)				



January 18, 2023

ANDREW PARKER ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON, TX 77077

RE: A 06 STATE COM #1

Enclosed are the results of analyses for samples received by the laboratory on 01/17/23 14:03.

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

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	01/17/2023	Sampling Date:	01/17/2023
Reported:	01/18/2023	Sampling Type:	Soil
Project Name:	A 06 STATE COM #1	Sampling Condition:	Cool & Intact
Project Number:	20210211-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

### Sample ID: CS - 03 0-1 FT (H230231-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2023	ND	2.06	103	2.00	1.34	
Toluene*	<0.050	0.050	01/17/2023	ND	2.23	111	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.64	111	6.00	2.11	
Total BTEX	<0.300	0.300	01/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/17/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2023	ND	165	82.5	200	4.79	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	153	76.4	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					
Surrogate: 1-Chlorooctane	78.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.2	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	01/17/2023	Sampling Date:	01/17/2023
Reported:	01/18/2023	Sampling Type:	Soil
Project Name:	A 06 STATE COM #1	Sampling Condition:	Cool & Intact
Project Number:	20210211-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

### Sample ID: CS - 05 0-1 FT (H230231-02)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2023	ND	2.06	103	2.00	1.34	
Toluene*	<0.050	0.050	01/17/2023	ND	2.23	111	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.64	111	6.00	2.11	
Total BTEX	<0.300	0.300	01/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/17/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2023	ND	165	82.5	200	4.79	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	153	76.4	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					
Surrogate: 1-Chlorooctane	86.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.7	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

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

### **Cardinal Laboratories**

### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever 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 whose 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 whose share there applied by the services arise 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.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

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

Company Name: Project Manager:

Andrew

Parker

arthers

P.O. #:

BILL

10

ANALYSIS

REQUEST

20210211-1000-postos

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

### **Released to Imaging: 2/20/2023 11:35:36 AM**

PLEASE NOTE: Liability and D analyses. All claims including th service. In no event shall Cardin affliates or successors arising o Relinquished By: Réfinquished By:		17	11	Lab I.D.	FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name: 202	Project #:	Phone #:	City:	Address: 0 <sub>h</sub> -1	
arrages. Cardinal's liability and clie toses for negligence and any other or and he liable for incidental or consec sumpr reliabed to the performance		5-05 0-	11-0 20-14	Sample I.D.		Jesus Palo	AO6 Stat	1210211-1000-				-	I MOMENT HOUSE
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To the amount paid within 30 days after profits incurred by cl he above stated rea		Ę	01-17-2023	DATE	SAMPLING			Zip:			Attn: aparter @ amereker, com	Company: Advence Energy	ANNY TANA
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by the client for the completion of the applicable completion of the applicable sense or chemise. Verbai Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:											_		

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Observed Temp. °C Corrected Temp. °C

Sample Condition Cool Intact

800

CHECKED BY:

Turnaround Time:

Rush Rush

Cool Intact

Observed Temp. °C Corrected Temp. °C

Bacteria (only) Sample Condition

Thermometer ID #113 Correction Factor -0.6°C

(Initials)

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

UNIVI-UUD N 3.3 0// 10/2



RDIZ



January 24, 2023

ANDREW PARKER ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON, TX 77077

RE: A 06 STATE COM #1

Enclosed are the results of analyses for samples received by the laboratory on 01/19/23 16:15.

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

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	01/19/2023	Sampling Date:	01/19/2023
Reported:	01/24/2023	Sampling Type:	Soil
Project Name:	A 06 STATE COM #1	Sampling Condition:	Cool & Intact
Project Number:	20210211-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

### Sample ID: CS - 01 0-1 FT (H230291-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/21/2023	ND	2.09	104	2.00	1.57	
Toluene*	<0.050	0.050	01/21/2023	ND	2.27	114	2.00	0.661	
Ethylbenzene*	<0.050	0.050	01/21/2023	ND	2.17	109	2.00	1.76	
Total Xylenes*	<0.150	0.150	01/21/2023	ND	6.69	112	6.00	0.878	
Total BTEX	<0.300	0.300	01/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2023	ND	230	115	200	2.48	
DRO >C10-C28*	<10.0	10.0	01/20/2023	ND	221	110	200	8.53	
EXT DRO >C28-C36	<10.0	10.0	01/20/2023	ND					
Surrogate: 1-Chlorooctane	94.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.1	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	01/19/2023	Sampling Date:	01/19/2023
Reported:	01/24/2023	Sampling Type:	Soil
Project Name:	A 06 STATE COM #1	Sampling Condition:	Cool & Intact
Project Number:	20210211-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

### Sample ID: CS - 01 1.5 FT (H230291-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/21/2023	ND	2.09	104	2.00	1.57	
Toluene*	<0.050	0.050	01/21/2023	ND	2.27	114	2.00	0.661	
Ethylbenzene*	<0.050	0.050	01/21/2023	ND	2.17	109	2.00	1.76	
Total Xylenes*	<0.150	0.150	01/21/2023	ND	6.69	112	6.00	0.878	
Total BTEX	<0.300	0.300	01/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2023	ND	230	115	200	2.48	
DRO >C10-C28*	<10.0	10.0	01/20/2023	ND	221	110	200	8.53	
EXT DRO >C28-C36	<10.0	10.0	01/20/2023	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	01/19/2023	Sampling Date:	01/19/2023
Reported:	01/24/2023	Sampling Type:	Soil
Project Name:	A 06 STATE COM #1	Sampling Condition:	Cool & Intact
Project Number:	20210211-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

### Sample ID: CS - 02 0-1 FT (H230291-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/21/2023	ND	2.09	104	2.00	1.57	
Toluene*	<0.050	0.050	01/21/2023	ND	2.27	114	2.00	0.661	
Ethylbenzene*	<0.050	0.050	01/21/2023	ND	2.17	109	2.00	1.76	
Total Xylenes*	<0.150	0.150	01/21/2023	ND	6.69	112	6.00	0.878	
Total BTEX	<0.300	0.300	01/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2023	ND	230	115	200	2.48	
DRO >C10-C28*	<10.0	10.0	01/20/2023	ND	221	110	200	8.53	
EXT DRO >C28-C36	<10.0	10.0	01/20/2023	ND					
Surrogate: 1-Chlorooctane	96.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.9	% 49.1-14	8						

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Received:	01/19/2023	Sampling Date:	01/19/2023
Reported:	01/24/2023	Sampling Type:	Soil
Project Name:	A 06 STATE COM #1	Sampling Condition:	Cool & Intact
Project Number:	20210211-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

### Sample ID: CS - 02 1.5 FT (H230291-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/21/2023	ND	2.09	104	2.00	1.57	
Toluene*	<0.050	0.050	01/21/2023	ND	2.27	114	2.00	0.661	
Ethylbenzene*	<0.050	0.050	01/21/2023	ND	2.17	109	2.00	1.76	
Total Xylenes*	<0.150	0.150	01/21/2023	ND	6.69	112	6.00	0.878	
Total BTEX	<0.300	0.300	01/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2023	ND	230	115	200	2.48	
DRO >C10-C28*	<10.0	10.0	01/20/2023	ND	221	110	200	8.53	
EXT DRO >C28-C36	<10.0	10.0	01/20/2023	ND					
Surrogate: 1-Chlorooctane	90.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.6	% 49.1-14	8						

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Received:	01/19/2023	Sampling Date:	01/19/2023
Reported:	01/24/2023	Sampling Type:	Soil
Project Name:	A 06 STATE COM #1	Sampling Condition:	Cool & Intact
Project Number:	20210211-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

### Sample ID: CS - 05W 1.5 FT (H230291-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/21/2023	ND	2.09	104	2.00	1.57	
Toluene*	<0.050	0.050	01/21/2023	ND	2.27	114	2.00	0.661	
Ethylbenzene*	<0.050	0.050	01/21/2023	ND	2.17	109	2.00	1.76	
Total Xylenes*	<0.150	0.150	01/21/2023	ND	6.69	112	6.00	0.878	
Total BTEX	<0.300	0.300	01/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	01/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2023	ND	212	106	200	0.653	
DRO >C10-C28*	<10.0	10.0	01/23/2023	ND	236	118	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/23/2023	ND					
Surrogate: 1-Chlorooctane	96.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Received:	01/19/2023	Sampling Date:	01/19/2023
Reported:	01/24/2023	Sampling Type:	Soil
Project Name:	A 06 STATE COM #1	Sampling Condition:	Cool & Intact
Project Number:	20210211-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

### Sample ID: CS - 07 0-1 FT (H230291-06)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/21/2023	ND	2.09	104	2.00	1.57	
Toluene*	<0.050	0.050	01/21/2023	ND	2.27	114	2.00	0.661	
Ethylbenzene*	<0.050	0.050	01/21/2023	ND	2.17	109	2.00	1.76	
Total Xylenes*	<0.150	0.150	01/21/2023	ND	6.69	112	6.00	0.878	
Total BTEX	<0.300	0.300	01/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/23/2023	ND	432	108	400	7.69	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2023	ND	212	106	200	0.653	
DRO >C10-C28*	<10.0	10.0	01/23/2023	ND	236	118	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/23/2023	ND					
Surrogate: 1-Chlorooctane	106	48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

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Received:	01/19/2023	Sampling Date:	01/19/2023
Reported:	01/24/2023	Sampling Type:	Soil
Project Name:	A 06 STATE COM #1	Sampling Condition:	Cool & Intact
Project Number:	20210211-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

### Sample ID: CS - 07 1.5 FT (H230291-07)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/21/2023	ND	2.09	104	2.00	1.57	
Toluene*	<0.050	0.050	01/21/2023	ND	2.27	114	2.00	0.661	
Ethylbenzene*	<0.050	0.050	01/21/2023	ND	2.17	109	2.00	1.76	
Total Xylenes*	<0.150	0.150	01/21/2023	ND	6.69	112	6.00	0.878	
Total BTEX	<0.300	0.300	01/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/23/2023	ND	432	108	400	7.69	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2023	ND	212	106	200	0.653	
DRO >C10-C28*	<10.0	10.0	01/23/2023	ND	236	118	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/23/2023	ND					
Surrogate: 1-Chlorooctane	97.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Received:	01/19/2023	Sampling Date:	01/19/2023
Reported:	01/24/2023	Sampling Type:	Soil
Project Name:	A 06 STATE COM #1	Sampling Condition:	Cool & Intact
Project Number:	20210211-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

### Sample ID: CS - 10 0-1 FT (H230291-08)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/21/2023	ND	2.09	104	2.00	1.57	
Toluene*	<0.050	0.050	01/21/2023	ND	2.27	114	2.00	0.661	
Ethylbenzene*	<0.050	0.050	01/21/2023	ND	2.17	109	2.00	1.76	
Total Xylenes*	<0.150	0.150	01/21/2023	ND	6.69	112	6.00	0.878	
Total BTEX	<0.300	0.300	01/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	01/23/2023	ND	432	108	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2023	ND	212	106	200	0.653	
DRO >C10-C28*	<10.0	10.0	01/23/2023	ND	236	118	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/23/2023	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Received:	01/19/2023	Sampling Date:	01/19/2023
Reported:	01/24/2023	Sampling Type:	Soil
Project Name:	A 06 STATE COM #1	Sampling Condition:	Cool & Intact
Project Number:	20210211-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

### Sample ID: CS - 10 1.5 FT (H230291-09)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/21/2023	ND	2.09	104	2.00	1.57	
Toluene*	<0.050	0.050	01/21/2023	ND	2.27	114	2.00	0.661	
Ethylbenzene*	<0.050	0.050	01/21/2023	ND	2.17	109	2.00	1.76	
Total Xylenes*	<0.150	0.150	01/21/2023	ND	6.69	112	6.00	0.878	
Total BTEX	<0.300	0.300	01/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/23/2023	ND	432	108	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2023	ND	212	106	200	0.653	
DRO >C10-C28*	<10.0	10.0	01/23/2023	ND	236	118	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/23/2023	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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Received:	01/19/2023	Sampling Date:	01/19/2023
Reported:	01/24/2023	Sampling Type:	Soil
Project Name:	A 06 STATE COM #1	Sampling Condition:	Cool & Intact
Project Number:	20210211-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

### Sample ID: CS - 11 0-1 FT (H230291-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/21/2023	ND	2.09	104	2.00	1.57	
Toluene*	<0.050	0.050	01/21/2023	ND	2.27	114	2.00	0.661	
Ethylbenzene*	<0.050	0.050	01/21/2023	ND	2.17	109	2.00	1.76	
Total Xylenes*	<0.150	0.150	01/21/2023	ND	6.69	112	6.00	0.878	
Total BTEX	<0.300	0.300	01/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	01/23/2023	ND	432	108	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2023	ND	212	106	200	0.653	
DRO >C10-C28*	<10.0	10.0	01/23/2023	ND	236	118	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/23/2023	ND					
Surrogate: 1-Chlorooctane	88.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Received:	01/19/2023	Sampling Date:	01/19/2023
Reported:	01/24/2023	Sampling Type:	Soil
Project Name:	A 06 STATE COM #1	Sampling Condition:	Cool & Intact
Project Number:	20210211-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

### Sample ID: CS - 11 1.5 FT (H230291-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/21/2023	ND	2.09	104	2.00	1.57	
Toluene*	<0.050	0.050	01/21/2023	ND	2.27	114	2.00	0.661	
Ethylbenzene*	<0.050	0.050	01/21/2023	ND	2.17	109	2.00	1.76	
Total Xylenes*	<0.150	0.150	01/21/2023	ND	6.69	112	6.00	0.878	
Total BTEX	<0.300	0.300	01/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	01/23/2023	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2023	ND	212	106	200	0.653	
DRO >C10-C28*	<10.0	10.0	01/23/2023	ND	236	118	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/23/2023	ND					
Surrogate: 1-Chlorooctane	91.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 :	% 49.1-14	8						

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Received:	01/19/2023	Sampling Date:	01/19/2023
Reported:	01/24/2023	Sampling Type:	Soil
Project Name:	A 06 STATE COM #1	Sampling Condition:	Cool & Intact
Project Number:	20210211-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

### Sample ID: CS - 11.2N 0-1 FT (H230291-12)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/21/2023	ND	2.09	104	2.00	1.57	
Toluene*	<0.050	0.050	01/21/2023	ND	2.27	114	2.00	0.661	
Ethylbenzene*	<0.050	0.050	01/21/2023	ND	2.17	109	2.00	1.76	
Total Xylenes*	<0.150	0.150	01/21/2023	ND	6.69	112	6.00	0.878	
Total BTEX	<0.300	0.300	01/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/23/2023	ND	432	108	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2023	ND	212	106	200	0.653	
DRO >C10-C28*	<10.0	10.0	01/23/2023	ND	236	118	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/23/2023	ND					
Surrogate: 1-Chlorooctane	93.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

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### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	01/19/2023	Sampling Date:	01/19/2023
Reported:	01/24/2023	Sampling Type:	Soil
Project Name:	A 06 STATE COM #1	Sampling Condition:	Cool & Intact
Project Number:	20210211-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

### Sample ID: CS - 12.2E 0-1 FT (H230291-13)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/21/2023	ND	2.09	104	2.00	1.57	
Toluene*	<0.050	0.050	01/21/2023	ND	2.27	114	2.00	0.661	
Ethylbenzene*	<0.050	0.050	01/21/2023	ND	2.17	109	2.00	1.76	
Total Xylenes*	<0.150	0.150	01/21/2023	ND	6.69	112	6.00	0.878	
Total BTEX	<0.300	0.300	01/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/23/2023	ND	432	108	400	7.69	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2023	ND	212	106	200	0.653	
DRO >C10-C28*	<10.0	10.0	01/23/2023	ND	236	118	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/23/2023	ND					
Surrogate: 1-Chlorooctane	96.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	01/19/2023	Sampling Date:	01/19/2023
Reported:	01/24/2023	Sampling Type:	Soil
Project Name:	A 06 STATE COM #1	Sampling Condition:	Cool & Intact
Project Number:	20210211-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

### Sample ID: CS - 13.2W 0-1 FT (H230291-14)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/21/2023	ND	2.09	104	2.00	1.57	
Toluene*	<0.050	0.050	01/21/2023	ND	2.27	114	2.00	0.661	
Ethylbenzene*	<0.050	0.050	01/21/2023	ND	2.17	109	2.00	1.76	
Total Xylenes*	<0.150	0.150	01/21/2023	ND	6.69	112	6.00	0.878	
Total BTEX	<0.300	0.300	01/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/23/2023	ND	432	108	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2023	ND	212	106	200	0.653	
DRO >C10-C28*	<10.0	10.0	01/23/2023	ND	236	118	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/23/2023	ND					
Surrogate: 1-Chlorooctane	97.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	6 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	01/19/2023	Sampling Date:	01/19/2023
Reported:	01/24/2023	Sampling Type:	Soil
Project Name:	A 06 STATE COM #1	Sampling Condition:	Cool & Intact
Project Number:	20210211-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

### Sample ID: CS - 14 0-1 FT (H230291-15)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/21/2023	ND	2.09	104	2.00	1.57	
Toluene*	<0.050	0.050	01/21/2023	ND	2.27	114	2.00	0.661	
Ethylbenzene*	<0.050	0.050	01/21/2023	ND	2.17	109	2.00	1.76	
Total Xylenes*	<0.150	0.150	01/21/2023	ND	6.69	112	6.00	0.878	
Total BTEX	<0.300	0.300	01/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	01/23/2023	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2023	ND	212	106	200	0.653	
DRO >C10-C28*	<10.0	10.0	01/23/2023	ND	236	118	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/23/2023	ND					
Surrogate: 1-Chlorooctane	95.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	01/19/2023	Sampling Date:	01/19/2023
Reported:	01/24/2023	Sampling Type:	Soil
Project Name:	A 06 STATE COM #1	Sampling Condition:	Cool & Intact
Project Number:	20210211-1000-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

### Sample ID: CS - 14 1.5 FT (H230291-16)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/21/2023	ND	2.09	104	2.00	1.57	
Toluene*	<0.050	0.050	01/21/2023	ND	2.27	114	2.00	0.661	
Ethylbenzene*	<0.050	0.050	01/21/2023	ND	2.17	109	2.00	1.76	
Total Xylenes*	<0.150	0.150	01/21/2023	ND	6.69	112	6.00	0.878	
Total BTEX	<0.300	0.300	01/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	01/23/2023	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2023	ND	212	106	200	0.653	
DRO >C10-C28*	<10.0	10.0	01/23/2023	ND	236	118	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/23/2023	ND					
Surrogate: 1-Chlorooctane	88.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.8	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **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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### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

### boratorie DS

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

### Released to Imaging: 2/20/2023 11:35:36 AM

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Received by OCD: 1/31/2023 12:41:58 PM

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Advance     Encargy     Partnery     PILL TO     PILL TO     Advance       - File     State:     Zip:     Fold (2011-1000-pidular)     Fold (2011-1000-pidular)       - File     State:     Zip:     Atmospice/Grid (2011-1000-pidular)     Atmospice/Grid (2011-1000-pidular)       - File     State:     Zip:     Atmospice/Grid (2011-1000-pidular)     Atmospice/Grid (2011-1000-pidular)       - File     State:     Zip:     Atmospice/Grid (2011-1000-pidular)     Atmospice/Grid (2011-1000-pidular)       - Fold     File     State:     Zip:     Atmospice/Grid (2011-1000-pidular)     Atmospice/Grid (2011-1000-pidular)       - Fold     File     State:     Zip:     State:     Zip:     Name Atmospice/Grid (2011-1000-pidular)       - Fold     File     State:     Zip:     State:     Zip:     State:     Zip:       - Fold     - Fold     Grid (2010-fold (201-))     File     State:     State:     Zip:       - Fold     - Fold     Grid (2001-100-)     Grid (201-100-)     File     Time     Grid (201-100-)       - Fold     - Fold     Grid (200-11-)     Grid (200-11-)     File     File     File       - Fold     - Fold     Grid (200-11-)     File     File     File     File     File       - Fold <th>Girbi 933-2326 FAX (ST6) 933-2476     BILL TO     ANA       Advance     Energy     Partmerr     Policy     Company Hulasule Every Hulasule     Policy       File     State:     Zip:     Project Owner:     OID     Company Hulasule     Policy     Policy       AG6     State:     Zip:     Project Owner:     OID     Policy     Policy     Policy     Policy     Policy       AG6     State:     Com     H     Policy     Policy</th> <th>Bacteria (only) S Cool Intact Yes Nc No No</th> <th>.6°C</th> <th></th> <th>7</th> <th></th> <th>Delivered By: (Circle One) ampler - UPS - Bus - Other:</th>	Girbi 933-2326 FAX (ST6) 933-2476     BILL TO     ANA       Advance     Energy     Partmerr     Policy     Company Hulasule Every Hulasule     Policy       File     State:     Zip:     Project Owner:     OID     Company Hulasule     Policy     Policy       AG6     State:     Zip:     Project Owner:     OID     Policy     Policy     Policy     Policy     Policy       AG6     State:     Com     H     Policy	Bacteria (only) S Cool Intact Yes Nc No No	.6°C		7		Delivered By: (Circle One) ampler - UPS - Bus - Other:
Advance     Energy     Pr.therr     BILL TO     AMALYSIS REQUEST       File     State:     Zip:     Advance     Energy     Advance       File     State:     Zip:     Advance     Energy     State:     Zip:       OUI02111-1000     Fax #:     Company     Fax #:     Company     Home #:       OUI02111-1000     Fax #:     Fax #:     Company     Fax #:     Fax #:       OUI02111-1000     Fax #:     Fax #:     Fax #:     Fax #:     Fax #:       OUI02111-1000     Fax #:     Fax #:     Fax #:     Fax #:     Fax #:       OUI02111-1000     Fax #:     Fax #:     Fax #:     Fax #:     Fax #:       OUI02111-1000     Fax #:     Fax #:     Fax #:     Fax #:     Fax #:       OUI02111-1000     Fax #:     Fax #:     Fax #:     Fax #:     Fax #:       OUI02111-1000     Fax #:     Fax #:     Fax #:     Fax #:     Fax #:       S-01     IS+     G     OUI12     OUI12 <td>Burnaries     Enter Top     Burla To     Analysis Recursis       Approace     Enter Top     Po. # 2011031-1000- product     Analysis Recursis       File     Same     Top     Antropy fuence     Company fuence     Event fuence       File     Sample 1.D.     For # 201107     Antropy fuence     Event fuence     Event fuence       Sample 1.D.     For # 1     Processor     Processor     For # 1     Processor       Sample 1.D.     For # 1     Processor     Processor     For # 1     Processor       Solid     Instruct     Processor     Processor     For # 1     Processor       Solid     Instruct     Processor     Processor     For # 1     Processor       Solid     Instruct     Processor     Processor     Processor     Processor</td> <td></td> <td></td> <td>(</td> <td></td> <td></td> <td>1</td>	Burnaries     Enter Top     Burla To     Analysis Recursis       Approace     Enter Top     Po. # 2011031-1000- product     Analysis Recursis       File     Same     Top     Antropy fuence     Company fuence     Event fuence       File     Sample 1.D.     For # 201107     Antropy fuence     Event fuence     Event fuence       Sample 1.D.     For # 1     Processor     Processor     For # 1     Processor       Sample 1.D.     For # 1     Processor     Processor     For # 1     Processor       Solid     Instruct     Processor     Processor     For # 1     Processor       Solid     Instruct     Processor     Processor     For # 1     Processor       Solid     Instruct     Processor     Processor     Processor     Processor			(			1
Advance     Energy     Partner     POLL TO       Andrew     Partner     PO. # (21/041-1000-produet       File     State:     Zip:     Ninoparty-Hause (= Grays)     Ninoparty-Hause (= Grays)       File     State:     Zip:     Ninoparty-Hause (= Grays)     Ninoparty-Hause (= Grays)       File     State:     Zip:     Ninoparty-Hause (= Grays)     Ninoparty-Hause (= Grays)       AOG (= State:     Com     #1     Pile     Ninoparty-Hause (= Grays)     Ninoparty-Hause (= Grays)       AOG (= State:     Com     #1     Pile     Ninoparty-Hause (= Grays)     Ninoparty-Hause (= Grays)       AOG (= State:     Com     #1     Pile     Ninoparty-Hause (= Grays)     Ninoparty-Hause (= Grays)       AOG (= State:     Com     #1     Pile     Ninoparty-Hause (= Grays)     Ninoparty-Hause (= Grays)       AOG (= State:     Com     #1     Pile     Ninoparty-Hause (= Grays)     Ninoparty-Hause (= Grays)       Sample I.D.     Gigrad Bor (Com     File     Ninoparty-Hause (= Grays)     Ninoparty-Hause (= Grays)     Ninoparty-Hause (= Grays)       Sample I.D.     Gigrad Bor (Com     Gigrad Bor (Com)     File     Ninoparty-Hause (= Grays)     Ninoparty-Hause (= Grays)       Sample I.D.     Gigrad Bor (Com     Gigrad Bor (Com)     File     Ninoparty-Hause (= Grays)	Girts Joss 2206 FAX (675) 303-2476     BILL TO     ANALYSIS REQUEST       Advance     Energy Rather     PO.# 1001 (Padlar     Company Have       File     Same     Zp:     Annovation     Po.# 1001 (Padlar       File     Same     Zp:     Annovation     Po.# 1001 (Padlar       File     Same     Zp:     Annovation     Po.# 1001 (Padlar       File     Sample LD.     File     Annovation     Ponone #:       AOG State     Com # 1     Ponone #:     Ponone #:     Ponone #:       AOG State     Com # 1     Ponone #:     Ponone #:     Ponone #:       AOG State     Com # 1     Ponone #:     Ponone #:     Ponone #:       AOG State     Com # 1     Ponone #:     Ponone #:     Ponone #:       AOG State     Com # 1     Ponone #:     Ponone #:     Ponone #:       AOG State     Com # 1     Ponone #:     Ponone #:     Ponone #:       AOG State     Con # 1     Ponone #:     Ponone #:     Ponone #:       AOG State     Con # 1     Ponone #:     Ponone #:     Ponone #:       AOG State     Con # 1     Ponone #:     Ponone #:     Ponone #:       Scool     Instate # Ponone #:     Ponone #:     Ponone #:     Ponone #:       Scool     <		REMARKS:	W ADDE	Received By:	615	elinquistied By:
ANALYSIS REQUEST	ANALYSIS REQUEST	ovide Email address:	All Results are emailed. Please pro	11110	Received By:	Date: 1-19.23	elinquished By:
BILL TO     BILL TO       Lew Partners     Po. # (0(10211-1000-purdust Company) Havas       State:     Zip:       Fax #:     Project Owner:       Project Owner:     City:       Project Owner:     City:       Sample I.D.     State:       Sample I.D.     Recount Allers       Sample I.St     Sample I.St       Sample I.St <td>Inter     BILL TO     ANALYSIS REQUEST       Company House Every Today       Lew Fraite: Zip:     Project Owner:     Company House Every Today       Inter     Project Owner:     City:       Project Owner:     City:       Project Owner:     City:       Company House Every Today       Company House Every Today       Attract Company House Every Today       Attract Company House Every Today       Attract Company House Every Today       Company House Every Today       Attract Com</td> <td></td> <td>pplicable</td> <td>aived by Cardinal within 30 days after of use, or loss of profits incurred by used upon any of the above stated re</td> <td>erned waived unless made in writing and rec athout limitation, business interruptions, loss dinal, regardiess of whether such claim is bu</td> <td>any other cause whatsoever shall be de al or consequental damages, including w erformance of services hereunder by Car</td> <td>alyses. All claims including those for negligence and n/ce. In no event shall Cardinal be liable for incident liates or successors arising out of or related to the pr</td>	Inter     BILL TO     ANALYSIS REQUEST       Company House Every Today       Lew Fraite: Zip:     Project Owner:     Company House Every Today       Inter     Project Owner:     City:       Project Owner:     City:       Project Owner:     City:       Company House Every Today       Company House Every Today       Attract Company House Every Today       Attract Company House Every Today       Attract Company House Every Today       Company House Every Today       Attract Com		pplicable	aived by Cardinal within 30 days after of use, or loss of profits incurred by used upon any of the above stated re	erned waived unless made in writing and rec athout limitation, business interruptions, loss dinal, regardiess of whether such claim is bu	any other cause whatsoever shall be de al or consequental damages, including w erformance of services hereunder by Car	alyses. All claims including those for negligence and n/ce. In no event shall Cardinal be liable for incident liates or successors arising out of or related to the pr
BILL TO     BILL TO       Andrew Partnery     Potency       File     State:       Image: State:     Zip:       Fax#:     Project Owner:       Image: State:     Zip:       Project Owner:     Company Hulawic Every Rather       Image: State:     Zip:       Project Owner:     Company Hulawic Every Rather       Image: State:     Zip:       Project Owner:     Company Hulawic Every Rather       Image: State:     Zip:       Project Owner:     City:       Image: State:     Com # 1       Project Owner:     State:       Image: State:     Com # 1	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		II: 23 W W W	unt	5		10 S - 11 FASE NOTE: Liability and Damages Cardinal's liab
BILL TO       BILL TO       ANALYSIS REQUEST         Andrew Partnery       Pol. # $001(0211-1000 + roduest)$ Pol. # $002(0211-1000 + roduest)$ Pol. # $002(0211-1000 + roduest)$ State:       Zip:       Fax #:       Project Owner:       Company Hulawice Fasy Hashe         Project Owner:       Fax #:       Project Owner:       Company Hulawice Fasy Hashe         RAOG 5 State Com # 1       Project Owner:       State:       Zip:         RAOG 5 State Com # 1       Phone #:       Phone #:       Phone #:         RAOG 5 State Com # 1       Phone #:       Phone #:       Phone #:         RAOG 5 State Com # 1       Phone #:       Phone #:       Phone #:         RAOG 5 State Com # 1       Phone #:       Phone #:       Phone #:         RAOG 5 State Com # 1       Phone #:       Phone #:       Phone #:         Sample I.D.       Radio Masse:       Company Hulawice Fasy Hashe       Phone #:         Scould Go 01       Ist Go 01       Phone #:       Phone #:       Phone #:         Scould Go 01       Ist Go 01       Phone #:       Phone #:       Phone #:         Scould Go 01       Ist Go 01       Ist Go 01       Ist Go 02       Phone #:       Phone #:         Sco 01       Ist Go 02       Ist Go 02 <td><math display="block">\begin{array}{c c c c c c c c c c c c c c c c c c c </math></td> <td></td> <td>11:10 11/1/1</td> <td></td> <td></td> <td>1.SFt</td> <td></td>	$\begin{array}{c c c c c c c c c c c c c c c c c c c $		11:10 11/1/1			1.SFt	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	BILL TO     ANALYSIS REQUEST       Advance Energy Partner     Poletical (100 tradation of the partner)       Prile     State:       File     State:       File     State:       Fax #:     Project Owner:       File     State:       Project Owner:     City:       Sample I.D.     GROUNDWATER       Soil     Suudee       Soil     Suudee       Soil     Suudee       Soil     Suudee       Soil     City:       Soil     City:       Soil     City:       Soil     City:       Soil     City:       Soil     City:       S		10:01			0-191	01-528
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Sample I.D.     BILL TO     Analysis Request       Sample I.D.     State:     Zip:     Attrop Racher Ganeradanu       Sample I.D.     Fax #:     Project Owner:     Cip:       Sample I.D.     GROUNDWATER     MATRIX     Preserve       Sample I.D.     GROUNDWATER     MATRIX     Preserve       Sample I.D.     GROUNDWATER     MATRIX     Preserve       SAMPLING     GROUNDWATER     Soil     GROUNDWATER       SAMPLING     GROUNDWATER<	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	<i>c</i>	10:41			0-141	6 CS-07
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### aboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Delivered By: (Circle One)	analyses. All claims including traces on a new of the above stated reasons or offlowedse, service. In no event shall Cardinal the indefe of inclentation of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or offlowedse.  Relifiquished By:  Time:  Time:  Date: Received By: Received By: Remarks:	PIEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the epple	13 CS-12.2E 14 CS-12.2E 16 CS-14 16 CS-14	Lab I.D. Sample I.D.	Jesus Par	Project Name: AUAIOAII-1000- Project Location: AO6 Sta		1e #:	Address: Un File		Company Name: Alance Energy Partner
Temp. °C 3.7 Sample	ecquental damages, including without limitation, notatives interventier by Cardinal, tegarities of whather such a constraint of the such as a	lient's exclusive remedy for any claim artising whether based in or r cause whatboever shall be deemed waived unless made in with	1+1-0-1+1-0-1+1-0	GROUNDW/ WASTEWAT	RS	ate Com #1	Project Owner:	Fax #:	State: Zip:	Ken .	ay farthers
CHECKED BY: (Initials)	h claim is based upon any of the above stated reasons	ontract or hort, shall be limited to the amount paid by the imited on the samount paid by the fing and received by Cardinal within 30 days after comp resons (loss of provides incurred by client, its resons to solve on these of provides incurred by client, its resons to solve on the solve of the sol	V V 12:	SLUDGE OTHER: ACID/BASE ICE / COOL OTHER: OI-19 II: 30	PRESERV SAMPLING	Phone #:	State: Zip:	Address:	Attn: 4 perler Damersberus	Company: Advance Energy for	1001001
Turnaround Time: Standard Bacteria (only) Sample Condition Contention Factor -0.8°C Press Ves No Corrected Temp. °C	REMARKS: Dolly Thuy Blank I.	s client for the adeion of the applicable subsidiariles.	12:01 12:13 12:30 VVV	TIME 1:30 Ch TP CBTE	loride H (G X (Be	RO	+la ne	) )		the MRC	

Received by OCD: 1/31/2023 12:41:58 PM



January 27, 2023

ANDREW PARKER ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON, TX 77077

RE: DAGGER STATE UNIT 2H

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

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

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

### Analytical Results For:

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

Received:	01/23/2023	Sampling Date:	01/23/2023
Reported:	01/27/2023	Sampling Type:	Soil
Project Name:	DAGGER STATE UNIT 2H	Sampling Condition:	Cool & Intact
Project Number:	20220510-1650-HYDROVAC	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

### Sample ID: BACKFILL 01 (H230329-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/25/2023	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	01/25/2023	ND	2.07	104	2.00	1.86	
Ethylbenzene*	<0.050	0.050	01/25/2023	ND	2.00	100	2.00	3.35	
Total Xylenes*	<0.150	0.150	01/25/2023	ND	6.20	103	6.00	2.86	
Total BTEX	<0.300	0.300	01/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/24/2023	ND	384	96.0	400	8.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2023	ND	195	97.7	200	0.517	
DRO >C10-C28*	<10.0	10.0	01/25/2023	ND	221	110	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	01/25/2023	ND					
Surrogate: 1-Chlorooctane	90.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

1 1220224	Lab I.D.	

Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	nges to celey.ke	e email cha	es. Pleas	al chang	ot verba	acce	nnot	† Cardinal ca		
e: Standard L <sup>A</sup> Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C #113 0.5°C I No No Corrected Temp. °C	Turnaround Time: Thermometer ID #113 Correction Factor -0.6*C	(Initials)		Sample Condition	Sample Conditio Cool Intact Yes Yes No No No		500	Observed Temp. °C 3. [ Corrected Temp. °C 2.5	lircle One) Bus - Other:	Delivered By: (Circle One) Sampler - UPS - Bus - Other
Cooler Temp 3.30	REMARKS:	A Martin	MM	Received By:	By:	lived	Rece	Date: Time:	MMM	Refinquished B
ert ts subditive. sons or oftender Verbal Result: □ Yes □ No Add'I Phone #: All Results are emailed. Please provide Email address:	dent, is subsidiaries, sasons or otherwise. Verbal Result: All Results are e	f profile incurred by	of use, or loss a med upon any o	internuptions, loss her such claim is ba	n, busisses inte nes of whether s d By:	thout imitation, busine dmai, regardless of wh Received By	rdinal, re Rece	service. In no event shall Cauchrai be faither for incidential or consequential damages, including without imitation, business etemptions, loss of use, or loss of profits incurred by clark, its subaliantee affinities or successions arising out of or related to the performance of services hereworder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Relinguitshed By:           Date:         3-2.3         Received/By:         Verbal Results a Verbal Results and the performance of performance of the per	ardinal be liable for incidental or ing out of or reliated to the perform Y:	attiates or soccessors arising Relinguished By:
	d by the client for the	ed to the amount pa	of, shall be lend	n contract or 1	After besed	taing who	daim at	PLEASE WOTE: Linkibility and Damages. Cardinal's linkibility and client's exclusive remedy for any claim arbiding whether based in contract or text, shall be limited to the amount paid by the client for the analyses. All claims includion these for outliances and are affect cause whether based in contract or text, shall be limited to the amount paid by the client for the analyses. All claims includion and another cause whether based in contract or text, shall be limited to the amount paid by the client for the another and another cause after contract or the client for the amount of the second waited unless much in written and involved for Cautional unlike the amount paid by the client for the amount of the client of the second unlike the second unlike the second unlike the second to th	nd Damagan. Cardinal's lisbility a	PLEASE NOTE: Liability and Dama
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le R(	SAMPLING		PRESERV	RIX	MATRIX	T	<b>)</b> :			FOR LAB USE ONLY
)+			Fax #:	_				alomans	Jesus Pa	Sampler Name:
De			Phone #:	77			F	Project Location: Dagger State Unit 2H	n: Dogger St	Project Locatio
20		Zip:	State:	60				0-Hydrovac	Project Name: 20220510-1650-Hydrovac	Project Name:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

City:

Address:

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Fax #:

State:

Zip:

Company: Advance Dreyy Hartne

Attn: 4 parlier (Jamereder 10

P.O. #: 20220510-1650-

BILL TO

ANALYSIS REQUEST

Project Owner:

City:

Address

Project Manager: Company Name:

Advance

Andrew

Parker

Partners

Project #: Phone #: Page 108 of 109

Received by OCD: 1/31/2023 12:41:58 PM

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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

Operator:	OGRID:
ADVANCE ENERGY PARTNERS HAT MESA, LLC	372417
11490 Westheimer Rd., Ste 950	Action Number:
Houston, TX 77077	181237
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

COMDITIC		
Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please implement 19.15.29.13 NMAC when completing P&A.	2/20/2023

CONDITIONS

Page 109 of 109

Action 181237