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

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

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

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

QUESTIONS

Action 137076

QUESTIONS

Operator:	OGRID:
ADVANCE ENERGY PARTNERS HAT MESA, LLC	372417
11490 Westheimer Rd., Ste 950	Action Number:
Houston, TX 77077	137076
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all of the questions in this group.	
Site Name	20220510-1209-dc Wool Head A Pad
Date Release Discovered	08/16/2022
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	No	
Has this release endangered or does it have a reasonable probability of endangering public health	No	
Has this release substantially damaged or will it substantially damage property or the environment	No	
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No	

Nature and Volume of Release		
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: Other Other (Specify) Produced Water Released: 17 BBL Recovered: 0 BBL Lost: 17 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)	Release of treated recycled produced water during drilling and completion operations	

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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**

QUESTIONS, Page 2

Action 137076

QUESTIONS (continued)

Operator:	OGRID:
ADVANCE ENERGY PARTNERS HAT MESA, LLC	372417
11490 Westheimer Rd., Ste 950	Action Number:
Houston, TX 77077	137076
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)		
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.	
Was this a major release as defined by 19.15.29.7(A) NMAC	No, minor release.	
Reasons why this would be considered a submission for a notification of a major release		
If YES, was immediate notice given to the OCD, by whom	Not answered.	
If YES, was immediate notice given to the OCD, to whom	Not answered.	
If YES, was immediate notice given to the OCD, when	Not answered.	
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	Not answered.	
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.		

Initial Response		
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.		
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	Not answered.	
All free liquids and recoverable materials have been removed and managed appropriately	Not answered.	
If all the actions described above have not been undertaken, explain why	After demobilizing of drilling and completion equipment free standing fluid was no longer present.	

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

ACKNOWLEDGMENTS

Action 137076

District I
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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**

ACKNOWLEDGMENTS

Operator:	OGRID:
ADVANCE ENERGY PARTNERS HAT MESA, LLC	372417
11490 Westheimer Rd., Ste 950	Action Number:
Houston, TX 77077	137076
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

V	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
V	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
✓	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.
V	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
V	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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

CONDITIONS

Action 137076

CONDITIONS

Operator:	OGRID:
ADVANCE ENERGY PARTNERS HAT MESA, LLC	372417
11490 Westheimer Rd., Ste 950 Houston, TX 77077	Action Number: 137076
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created	By Condition	Condition Date
aparke	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	8/23/2022

Responsible Party: Advance Energy Partners Hat Mesa LLC

District I
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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	nAPP2223550380
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

OGRID: 372417

Contact Name: Andrew Parker				Contact Te	Telephone: 832-672-4700 (office)		
Contact email: aparker@ameredev.com				Incident #	(assigned by OCD)		
	Contact mailing address: 11490 Westheimer Rd. Suite 950. Houston, TX 77077						
			Location	of R	Release So	Source	
I .:. 1 22.4	57.40.62						
Latitude 32.4	·5/4863		(NAD 83 in de	ecimal de	Longitude -	-103.588739 imal places)	
Site Name 20	0220510-120	09-dc Wool Head	A Pad		Site Type	Production Site	
Date Release	Discovered	08/16/2022			API# (if app	pplicable)	
Unit Letter	Section	Township	Range		Coun	inty	
P	20	21S	33E	Lea			
Crudo Oil						c justification for the volumes provided below)	
Crude Oi		Volume Release				Volume Recovered (bbls)	
Produced	Water	Volume Release	ed (bbls) 17.5			Volume Recovered (bbls) 0	
Is the concentration of dissolved chloride produced water >10,000 mg/l?		e in the	☐ Yes ☐ No				
Condensa	nte	Volume Release				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 Release of treated recycled produced water during drilling and completion operations							

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State o	f New Mexico	

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Incident ID	nAPP2223550380
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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 VES was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?		
ii 125, was iiiiiicdiate iii	once given to the OCD: By whom: To whom: When and by what means (phone, chian, etc):		
	Initial Response		
TI 11			
The responsible p	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury		
☐ The source of the rele	ease has been stopped.		
	s been secured to protect human health and the environment.		
Released materials ha	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.		
☐ All free liquids and re	ecoverable materials have been removed and managed appropriately.		
If all the actions described	d above have <u>not</u> been undertaken, explain why:		
After demobilizing of dril	lling and completion equipment free standing fluid was no longer present.		
Arter demodrizing or diff	ining and completion equipment free standing fluid was no longer present.		
	AC the responsible party may commence remediation immediately after discovery of a release. If remediation 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.			
	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and		
	required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have		
failed to adequately investig	ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In		
addition, OCD acceptance of and/or regulations.	f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws		
Printed Name: Andrew	Parker Title: Env. Scientist		
Signature:	Date: _08/23/2022		
email: <u>aparker@amere</u>	<u>dev.com</u> Telephone: <u>970-570-9535</u>		
OCD Only			
keceived by:	Date:		

Spill Dimensions to Volume of Release			
Input	volume of affected soil	[feet^3]	2806.50
Input	Porosity: typically is .35 to .40 for most soils	[-]	0.35
Input	Proportion of porosity filled with release fluid [0,1]	[-]	0.10
Output	volume of fluid	[feet^3]	98.2
		[gal]	734.8
		Barrels	17.5

From	From GIS		
Sq. Ft	33678		
Depth (ft)	0.08		
Cu. Ft	2806.5		

	Page 8 of 10	1
Incident ID	nAPP2223550380	
District RP		
Facility ID		
Application ID		

Site Assessment/Characterization

This information must be provided to the appropriate district office to tales than 20 days after the release discovery date.			
What is the shallowest depth to groundwater beneath the area affected by the release? Plate 2	>100 (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	☐ 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 not 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 Data table of soil contaminant concentration data Depth to water determination 			

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.

Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release

Boring or excavation logs

Topographic/Aerial maps

Photographs including date and GIS information

Laboratory data including chain of custody

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Incident ID	nAPP2223550380
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Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.				
2	e: Env. Scientist			
Signature: Date: December 12, 2022				
email: <u>aparker@ameredev.com</u> Telephone: <u>970-570-9535</u>				
OCD Only				
Received by:	Date: 12/12/2022			

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Incident ID	nAPP2223550380
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Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.				
 □ Detailed description of proposed remediation technique □ Scaled sitemap with GPS coordinates showing delineation points □ Estimated volume of material to be remediated □ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC □ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) 				
Deferral Requests Only: Each of the following items must be confirmed as	part of any request for deferral of remediation.			
Contamination must be in areas immediately under or around production edeconstruction.	equipment where remediation could cause a major facility			
Extents of contamination must be fully delineated.				
Contamination does not cause an imminent risk to human health, the envir	conment, or groundwater.			
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.				
Printed Name: Andrew Parker Title:	Env. Scientist			
Signature: Date:	December 12, 2022			
email: <u>aparker@ameredev.com</u> Telephone: <u>970-</u>	570-9535			
OCD Only				
	12/12/2022			
☐ Approved ☐ Approved with Attached Conditions of Approval	☐ Denied ☐ Deferral Approved			
Signature: Date:				

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Page 6 Oil Conservation Division

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Incident ID nAPP2223550380
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 photo must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re- human health or the environment. In addition, OCD acceptance of	lations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in
OCD Only	
Received by: Jocelyn Harimon	Date:
	y of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by:	Date: 01/10/2023
Printed Name: Jennifer Nobui	Title: Environmental Specialist A



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

December 12, 2022

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

RE: Revised Closure/Deferral Report

Incident ID: nAPP2223550380

Wool Head 20 State Com 608H "A" Pad

AEP #: 20220510-1209-dc

NMOCD:

Advance Energy Partners Hat Mesa LLC respectfully submits this revised characterization report and deferral request for incident number nAPP2223550380.

Prior submission was denied on November 23, 2022 due to inadequate lateral delineation for deferral request of the release extent on an active production site. Communication is attached in Appendix A. This report includes requested lateral delineation sample information with updated tables and plates.

Deferral Request Denied. Please complete lateral delineation at locations CS-04 and CS-08. Please make sure all lateral delineation samples are delineated to 600 mg/kg for chlorides to define the edge of the release on pad, regardless of depth to groundwater. Please resubmit a revised Deferral Request to the OCD portal by December 23, 2022.

The release was discovered on August 16, 2022, on the eastern half of Wool Head 20 State Com 608H ("A" Pad) production site (Figure 1). Surface is State owned. Field investigations suggest that the release of treated *recycled* produced water occurred during drilling and completion operations. During field evaluation of the location, the impacted area was determined to be 56,370 sq. ft. The release did not impact surface or groundwater.

Incident ID: nAPP2223550380 Woolhead A Pad

AEP #: 20220510-1209-dc



Figure 1: Release extent view from southern extent facing northeast. Photo Source: Merchant Livestock

Characterization

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

1.1. Site Map

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

Plate 1 shows the release extent relative to the Woolhead A Pad production site. The coordinates of the release area are 32.4574863, -103.588739 (Lat, Long; NAD83). The discharge extent covered approximately 56,370 sq feet.

1.2. **Depth to Ground Water**

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

MISC-402 (CP-1880) located 0.07-miles northwest of the release extent with a depth to water of >105 ft. dated 10/08/2021. The borehole is plugged.



Incident ID: nAPP2223550380

Woolhead A Pad AEP #: 20220510-1209-dc

1.3. Wellhead Protection Area

Plate 3 shows that the release extent is:

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

1.4. Distance to Nearest Significant Water Course

Plate 4 shows that the release extent is:

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

1.5. Soil/Waste Characteristics

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

- Kermit soils and Dune Land, 0 to 12 percent slopes, and
- Pyote soils and Dune land.

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

Kermit soils and Dune land:

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

Pyote soils and Dune land:

- A 0 to 30 inches: fine sand
- Bt 30 to 60 inches: fine sandy loam

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

On October 19, 2022, Advance Energy Partners proceeded with comprehensive sampling for horizontal and vertical delineation of the release on the active production site to determine release extent and to evaluate constituents of concern. Soil samples were collected at the surface for horizontal delineation and core samples at specified depths below the surface to evaluate the vertical extent of impacted soil. On December 2, 2022, Advance Energy Partners additionally



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

Incident ID: nAPP2223550380

Woolhead A Pad AEP #: 20220510-1209-dc

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sampled for requested lateral delineation.

Analysis of constituents of concern showed that all soil samples met Closure Criteria, defined below, according to Table 1 of 19.15.29 NMAC for the release area on an active production site that is in use for oil and gas operations and where depth to water is > 100 ft. Lateral/horizontal delineation of release extent to 600 mg/kg for chlorides is also demonstrated.

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

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

2. Deferral Request

Advance Energy Partners respectfully asks NMOCD for deferral of impacted areas on the active production site. This area meets the criteria for deferral request as defined in 19.15.29.12.C.(2):

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

Analysis of samples obtained for horizontal and vertical delineation of the release extent on the active production site demonstrated that constituents of concern met the standards of Table I of 19.15.29.12 NMAC, where groundwater > 100 ft below ground surface as defined above. Lateral/horizontal delineation at GS-04 E and GS-08 NW also demonstrates that chlorides are < 600 mg/kg. No other constituents of concern were elevated beyond most stringent closure criteria.

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



Incident ID: nAPP2223550380

Woolhead A Pad

AEP #: 20220510-1209-dc

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

Please contact me with any questions.

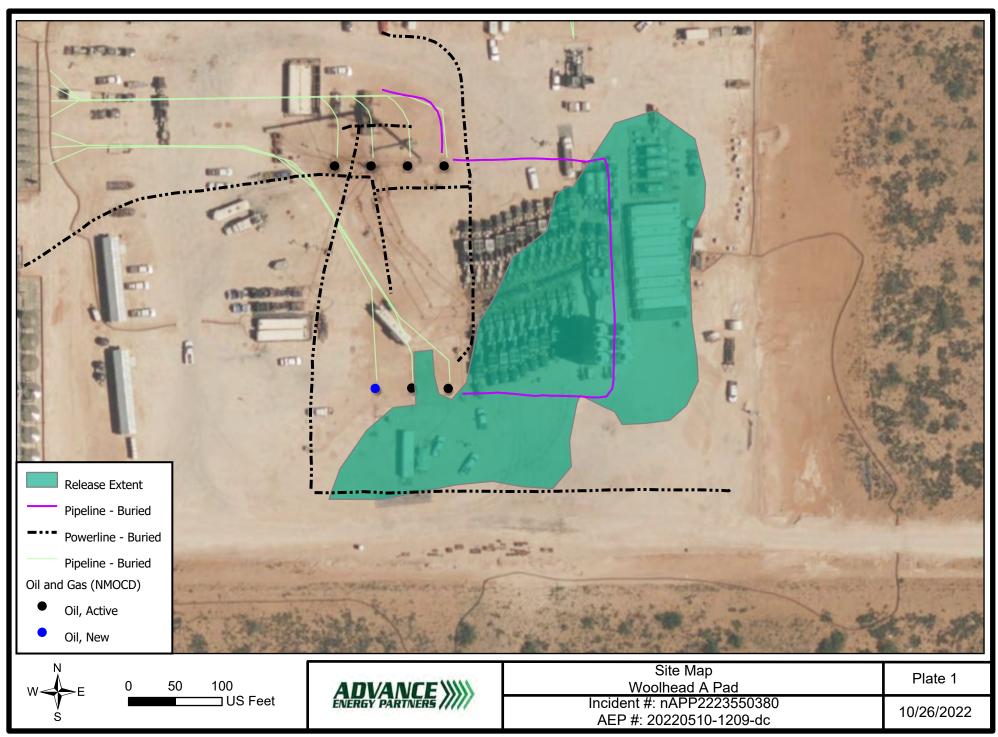
Sincerely,

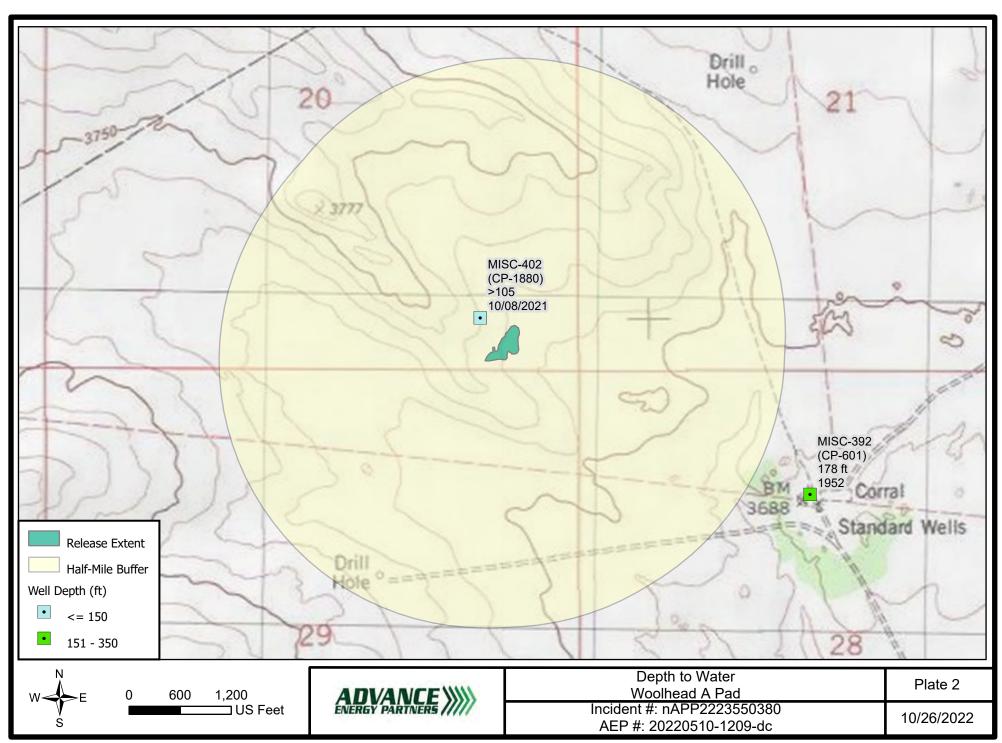
Andrew Parker

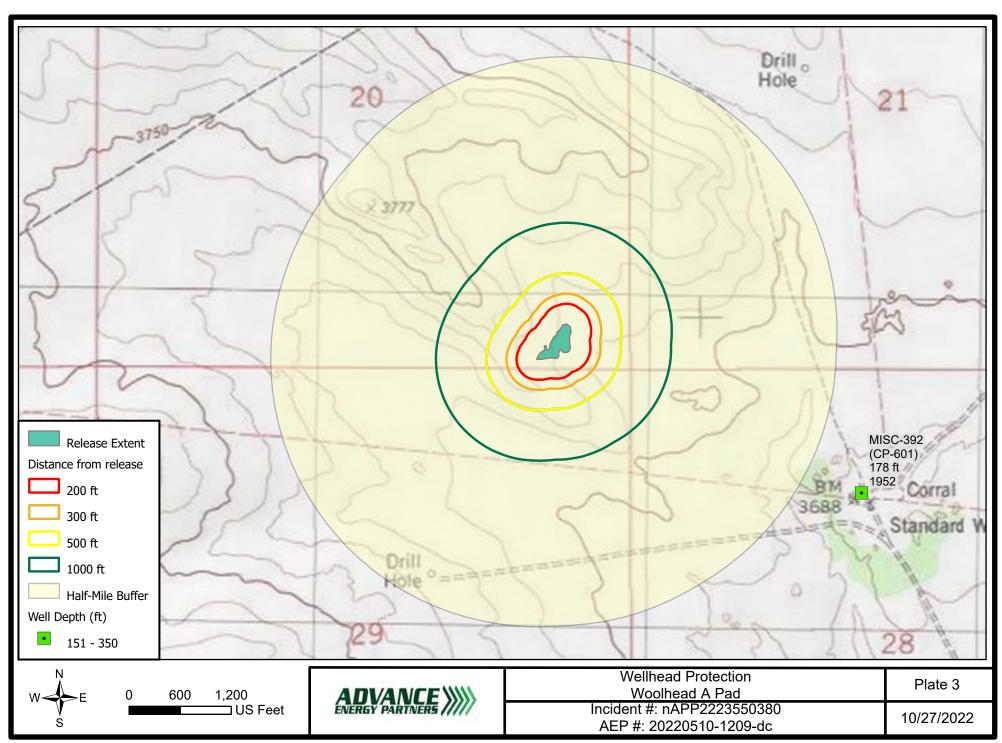
Ameredev Operating, on the behalf of Advance Energy Partners, LLC Environmental Scientist

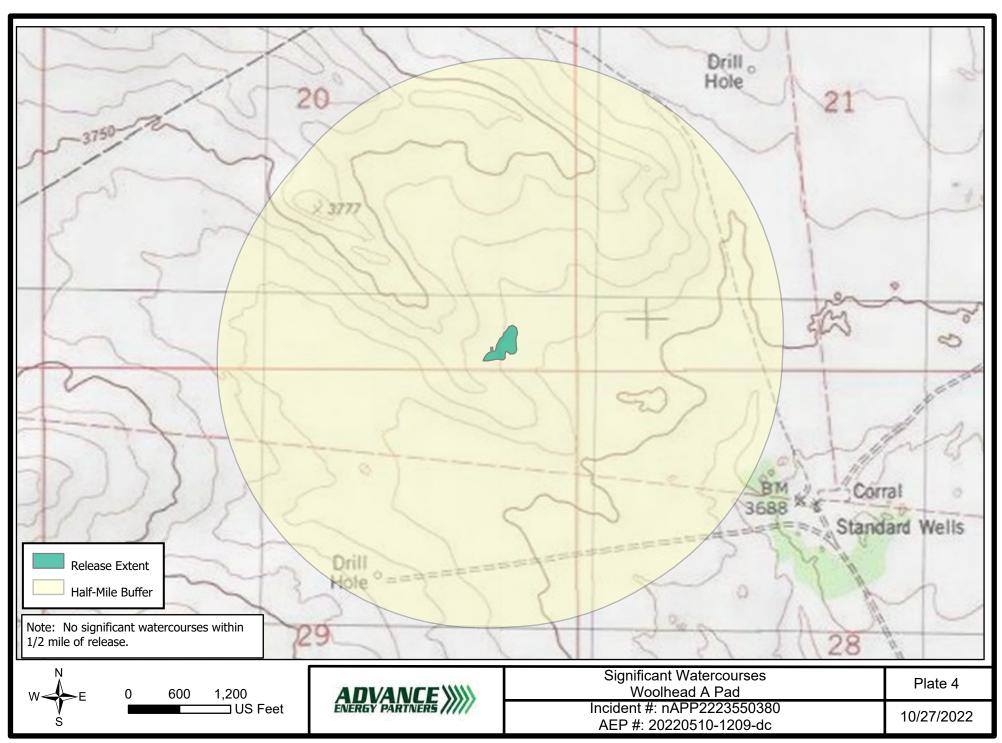
Plates

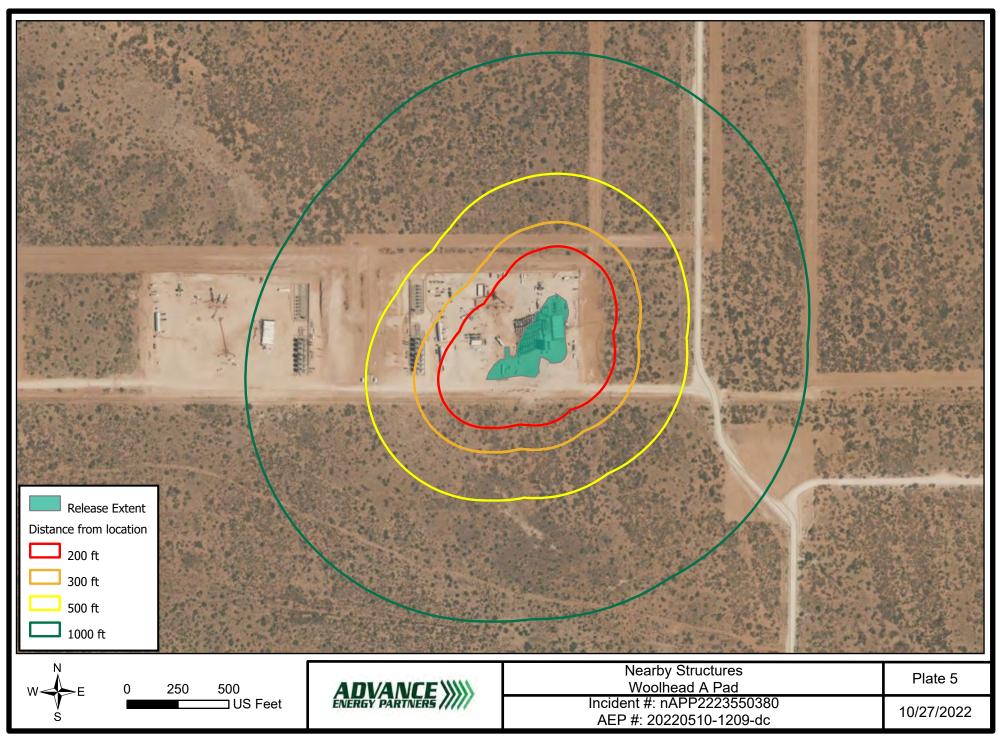


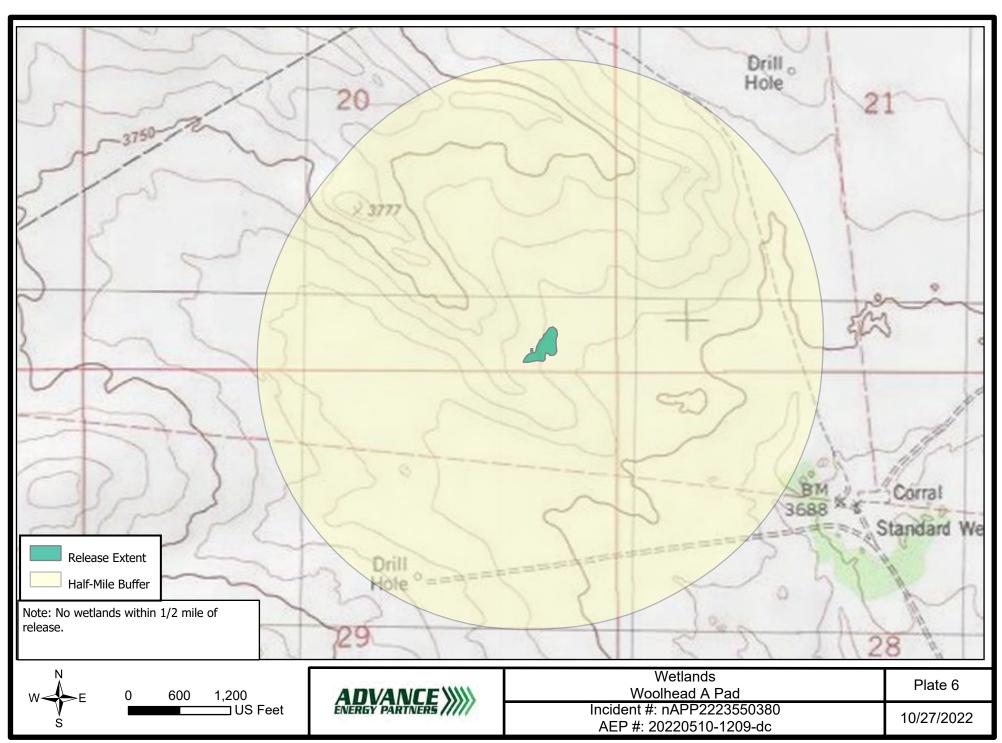


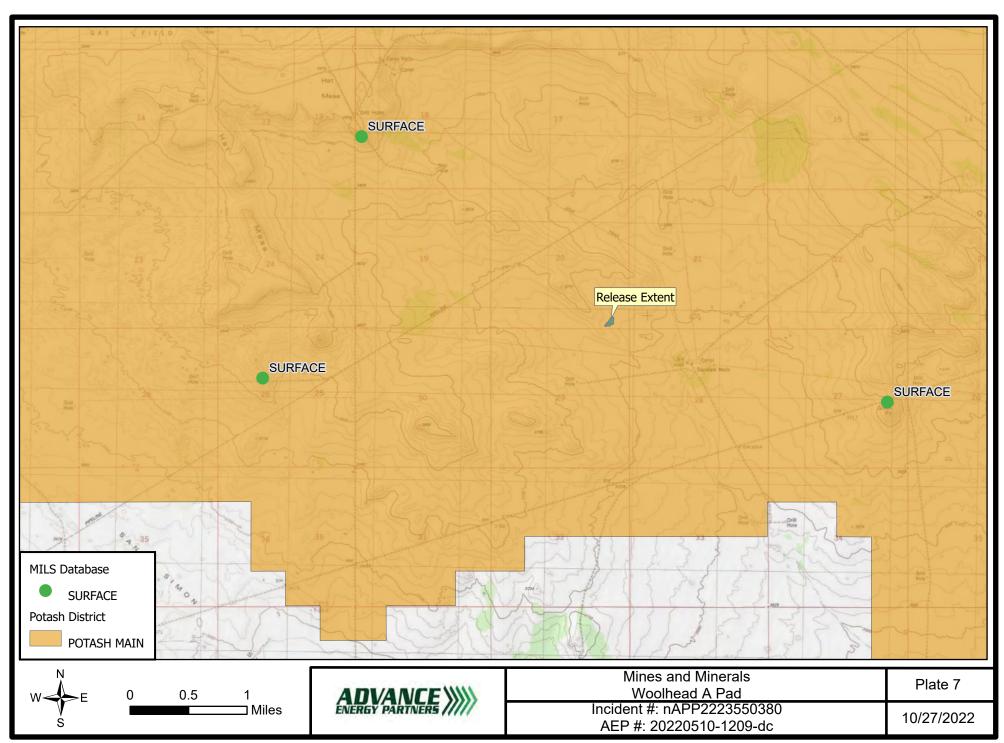


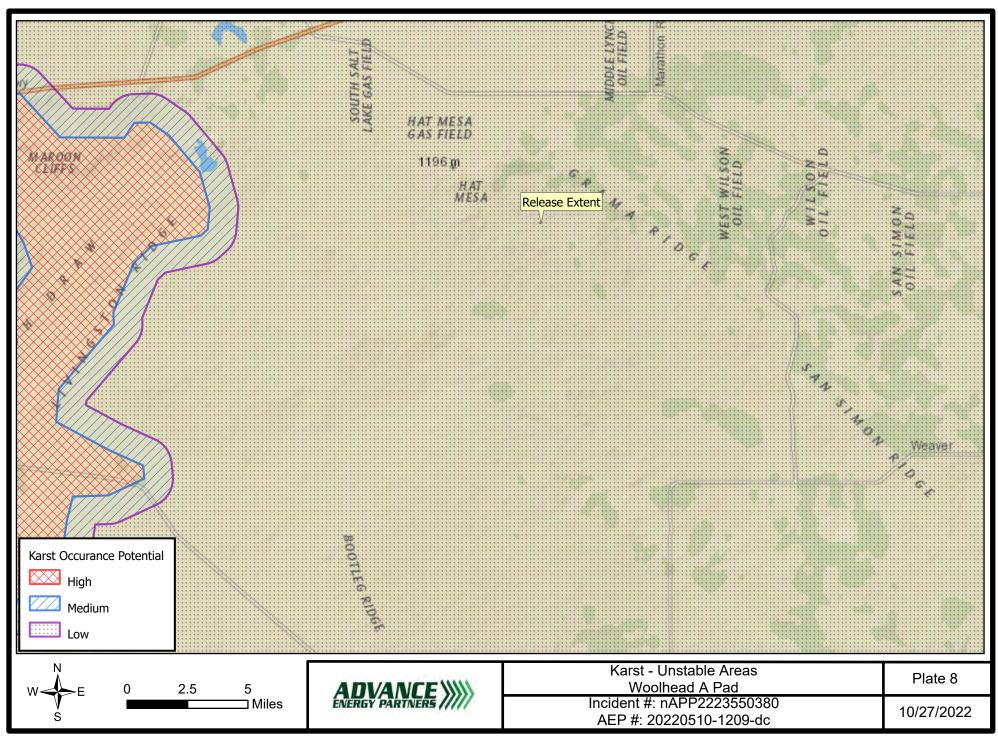


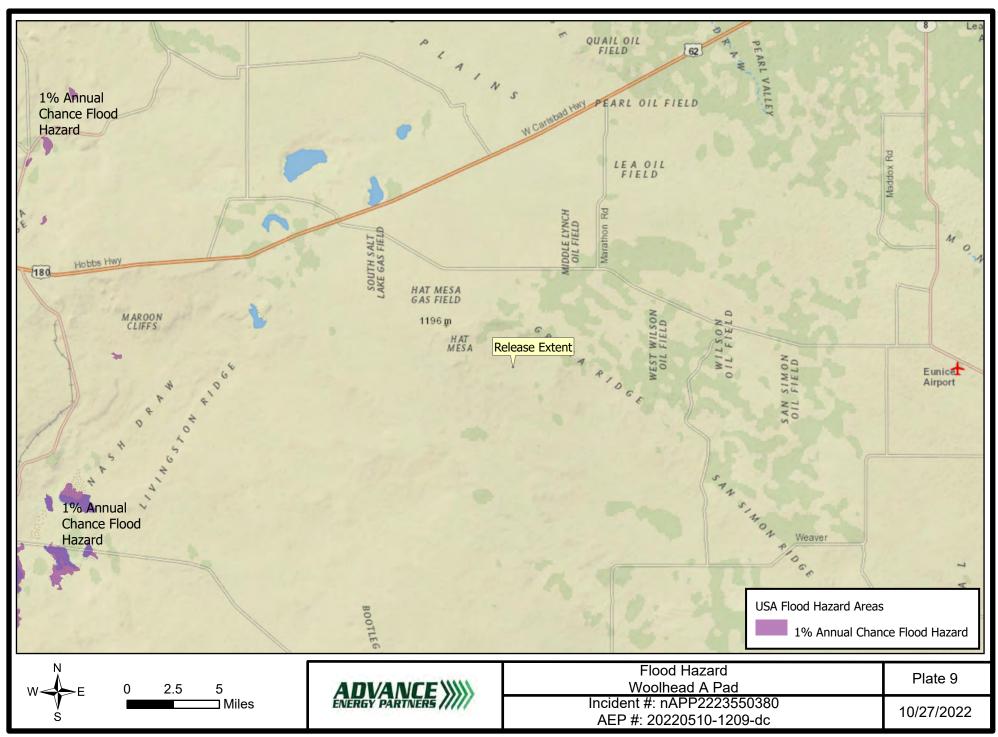


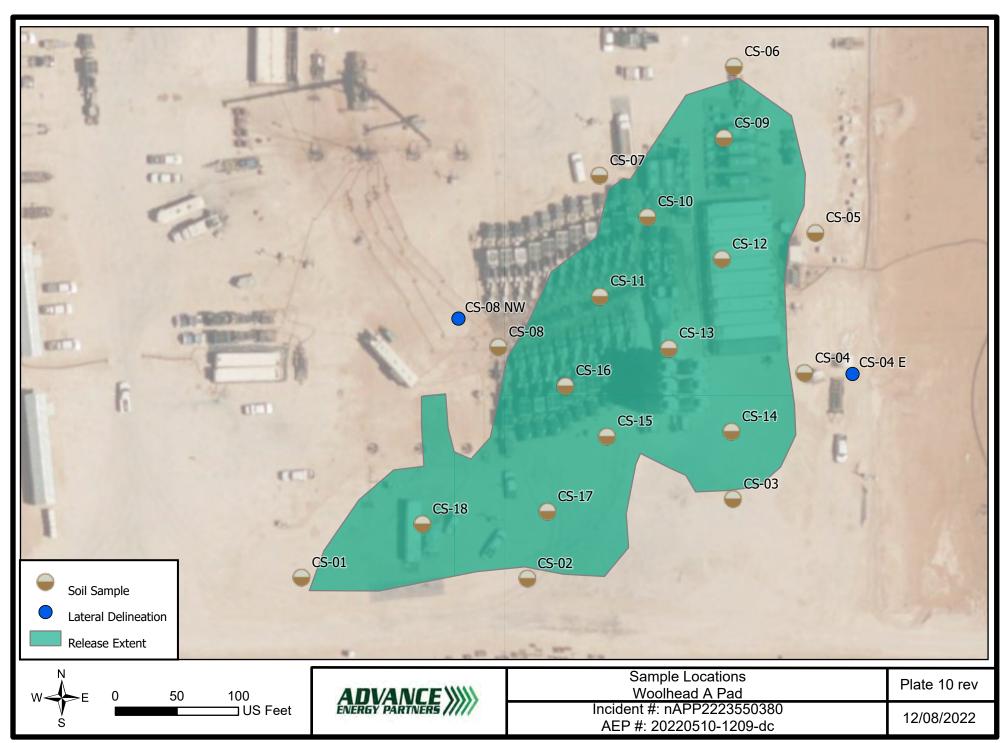












Tables



Incident ID: nAPP2223550326e 29 of 101 Woolhead A Pad AEP #: 20220510-1209-dc

Sample Point	Latitude	Longitude
CS-01	32.45729882	-103.5890586
CS-02	32.45728256	-103.5885534
CS-03	32.45742345	-103.5880953
CS-04	32.45766549	-103.5879026
CS-04 E	32.45766970	-103.5878286
CS-05	32.45794005	-103.5878855
CS-06	32.45824892	-103.5880931
CS-07	32.45804481	-103.5883928
CS-08	32.45772871	-103.5886412
CS-08 NW	32.45777810	-103.5887116
CS-09	32.45811483	-103.5881156
CS-10	32.45796714	-103.5882858
CS-11	32.45781818	-103.5883914
CS-12	32.45788762	-103.5881203
CS-13	32.45772036	-103.5882386
CS-14	32.45756458	-103.5880987
CS-15	32.45755531	-103.5883757
CS-16	32.45765016	-103.5884683
CS-17	32.45741442	-103.5885084
CS-18	32.45739094	-103.5887867

December 08, 2022

Table B rev Summary of Analytical Incident ID: nAPP2223550380 Woolhead A Pad AEP #: 20220510-1209-dc

Sample ID	Date	Discrete Depth	Top Depth	Bottom Depth	Location	Chloride	GRO+DRO			BTEX	Comments	Lab	Lab#
		(Feet)	(Feet)	(Feet)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		(Hall/Cardinal)	
NMOCD Closure Criteria													
0 - 4 feet & "not in-use"						600		100	10	50			
> 4 ft or "in-use"						20,000	1,000	2,500	10	50			
CS-01	10/19/2022		0	2		320	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-01	10/19/2022		2	4		48	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-02	10/19/2022		0	2		240	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-02	10/19/2022		2	4		32	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-03	10/19/2022		0	2		208	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-03	10/19/2022		2	4		32	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-04	10/19/2022		0	2		3,120	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-04	10/19/2022		2	4		512	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-04	10/19/2022	4.5				608	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-04 E	12/2/2022	0				48	<20	<30	<0.05	<0.3	Lateral Delineation	Cardinal	H225661
CS-05	10/19/2022		0	2		160	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-05	10/19/2022		2	4		48	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-06	10/19/2022		0	2		80	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-06	10/19/2022		2	4		32	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-07	10/19/2022		0	2		528	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-07	10/19/2022		2	4		176	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-07	10/19/2022	4.5				128	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-08	10/19/2022		0	2		1,310	<46.6	<56.6	<0.05	<0.3	Characterization	Cardinal	H224930
CS-08	10/19/2022		2	4		480	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-08	10/19/2022	4.5				320	<36	<46	<0.05	<0.3	Characterization	Cardinal	H224930
CS-08 NW	12/2/2022	0				32	<20	<30	<0.05	<0.3	Lateral Delineation	Cardinal	H225661
CS-09	10/19/2022		0	2		4,000	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-09	10/19/2022		2	4		272	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-09	10/19/2022	4.5				400	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-09	10/19/2022	5.5				560	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-10	10/19/2022		0	2		560	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-10	10/19/2022		2	4		48	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-11	10/19/2022		0	2		4,240	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-11	10/19/2022		2	4		1,440	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-11	10/19/2022	4.5				1,600	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-12	10/19/2022		0	2		6,640	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-12	10/19/2022		2	4		4,320	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-12	10/19/2022	4.5				3,840	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-12	10/19/2022	5.5				4,000	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-12	10/19/2022	6.6				4,480	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-13	10/19/2022		0	2		592	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-13	10/19/2022		2	4		64	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-14	10/19/2022		0	2		3,840	<25.6	<35.6	<0.05	<0.3	Characterization	Cardinal	H224930
CS-14	10/19/2022		2	4		560	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930

Advance Energy Partners

Table B rev Summary of Analytical Incident ID: nAPP2223550380 Woolhead A Pad AEP #: 20220510-1209-dc

Sample ID	Date	Discrete Depth	Top Depth	Bottom Depth	Location	Chloride	GRO+DRO	TPH Ext.	Benzene	BTEX	Comments	Lab	Lab#
		(Feet)	(Feet)	(Feet)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		(Hall/Cardinal)	
NMOCD Closure Criteria													
0 - 4 feet & "not in-use"						600		100	10	50			
> 4 ft or "in-use"						20,000	1,000	2,500	10	50			
CS-15	10/19/2022		0	2		1,680	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-15	10/19/2022		2	4		96	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-15	10/19/2022	4.5				176	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-16	10/19/2022		0	2		1,760	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-16	10/19/2022		2	4		144	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-16	10/19/2022	4.5				112	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-17	10/19/2022		0	2		32	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930
CS-18	10/19/2022		0	2		64	<20	<30	<0.05	<0.3	Characterization	Cardinal	H224930

Advance Energy Partners

December 08, 2022

Appendix A

Communications



Andrew Parker

From: Enviro, OCD, EMNRD < OCD.Enviro@emnrd.nm.gov>

Sent: Wednesday, November 23, 2022 1:09 PM

To: Andrew Parker

Cc: Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD

Subject: RE: [EXTERNAL] nAPP2223550380 48 Hour Sampling Notice Wool Head A Pad

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

Report This Email FAQ Protection by INKY

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. Also in the future a date and time are essential pieces of information for the OCD.

Many thanks and happy holidays,

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: Wednesday, November 23, 2022 12:55 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: Jacob Saenz <jsaenz@ameredev.com>; Jesus Palomares <jpalomares@ameredev.com>; Laura Parker

<lparker@ameredev.com>

Subject: [EXTERNAL] nAPP2223550380 48 Hour Sampling Notice Wool Head A Pad

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

NMOCD,

Please accept this email as the 48 hour sampling notice to laterally delineate sample locations CS-04 and CS-08.

nAPP2223550380 Wool Head 20 State Com 608H "A" Pad 20220510-1209-dc

Andrew Parker Environmental Scientist 970-570-9535



From: OCDOnline@state.nm.us < OCDOnline@state.nm.us >

Sent: Wednesday, November 23, 2022 10:47 AM **To:** Andrew Parker <aparker@ameredev.com>

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 154612

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

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2223550380, for the following reasons:

Deferral Request Denied. Please complete lateral delineation at locations CS-04 and CS-08. Please make sure
all lateral delineation samples are delineated to 600 mg/kg for chlorides to define the edge of the release on
pad, regardless of depth to groundwater. Please resubmit a revised Deferral Request to the OCD portal by
December 23, 2022.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 154612.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Jennifer Nobui
Environmental Specialist-Advanced
505-470-3407
Jennifer.Nobui@emnrd.nm.gov

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

Appendix B

Well Logs





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

10/29/2021

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

Hand Delivered to the DII Office of the State Engineer

Re: Well Record CP-1880 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-1880 Pod1.

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

Sincerely,

Lucas Middleton

Enclosures: as noted above

Gaoon Middle

OGE DIT NOW 1 2021 PMG185



ION	OSE POD NO. POD1 (TV	W-1)	•		WELL TAG ID NO n/a) .		OSE FILE NO CP-1880	O(S).				
OCATI	WELL OWNE Advanced I							PHONE (OP: 832.672.47					
GENERAL AND WELL LOCATION	WELL OWNE 11490 Wes		ADDRESS Rd. Stuit 950					CITY Houston		STATE TX 77077	ZIP		
AND	WELL LOCATION	,		GREES 32	MINUTES 27	SECON 30.4		* ACCURAC	Y REQUIRED: ONE TEN	TH OF A SECOND			
VERAI	(FROM GP	3)	NGITUDE	103	35	22.4			EQUIRED: WGS 84				
1. GE	DESCRIPTION SE SE NE		NG WELL LOCATION TO 21S R33E	STREET ADDRI	ESS AND COMMO	N LANDMA	ARKS – PLS	S (SECTION, T	OWNSHJIP, RANGE) WE	IERE AVAILABLE			
	LICENSE NO.		NAME OF LICENSED		ackie D. Atkin	•			NAME OF WELL DR	ILLING COMPANY gineering Associates, l	70		
	124 DRILLING ST		DRILLING ENDED				BORE HO	LE DEPTH (FT)		ST ENCOUNTERED (FT)			
	10/08/2		10/08/2021				105	Jan III WALLEN	n/a				
Z	COMPLETED	WELL IS:	ARTESIAN	V DRY HOLE SHALLOW (UNCONFINED)					STATIC WATER LE	vel in completed we n/a	LL (FT)		
ATTO	DRILLING FL	UID:	☐ AIR	MUD	ADDITT	VES – SPEC	IFY:						
2. DRILLING & CASING INFORMATION	DRILLING M	ETHOD:	ROTARY	HAMMER	CABLE	TOOL	✓ OTHE	R - SPECIFY:	Holid	ow Stem Auger			
	DEPTH (feet bgl) BORE HOLE			CASING N	MATERIAL AN	D/OR		ASING	CASING	CASING WALL	SLOT		
ASING	FROM	то	DIAM (inches)		(include each casing string, and			NECTION YPE ling diameter)	INSIDE DIAM. (inches)	THICKNESS (inches)	SIZE (inches)		
& C.	0	105	±6.5	F	Boring- HSA			-	-				
ING													
RILI			+						-				
2. D													
	(_=												
											1 = 5		
	DEPTH (feet bgl)	BORE HOLE	LIS	T ANNULAR S	EAL MA	TERIAL A	ND	AMOUNT	метно	D OF		
IAL	FROM	то	DIAM. (inches)	GRAV	VEL PACK SIZE	E-RANGE	BY INTE	RVAL	(cubic feet)	PLACEN	MENT		
TER													
3 MA									-		_		
)LAI									The same was about	and the second			
ANNULAR MATERIAL									No so the Ed. !	VOUL AVAILANCE	43		
3.													
	000 0000		1						00 WELL DECORE	4.100 at 1.00 a	0/170		
	OSE INTERI	NAL USE			POD N	0,			NO.	& LOG (Version 06/3	0/17)		
LOC	ATION				- 1			WELL TAG	ID NO	PAGE	1 OF 2		

PAGE 2 OF 2

WELL TAG ID NO.

	DEPTH (f	eet bgl)		COLOR AT	ND TYPE OF MATERIA	L ENCOUN	TERED -	33/ A	TER	ESTIMATED
	FROM	то	THICKNESS (feet)	INCLUDE WAT	ER-BEARING CAVITIE	S OR FRAC	CTURE ZONES	BEA	RING?	YIELD FOR WATER- BEARING ZONES (gpm)
	0	9	9	Cal	iche, with fine-grained sa	nd, White/T	an	Y	√N	
	9	19	10	Sand, Fine-g	rained, poorly graded, wi	th Caliche,	Tan/ Brown	Y	√N	
	19	105	86	Sand,	Fine-grained, poorly gra	ded, Tan/ Br	own	Y	√N	
		T -		(1				Y	N	
								Y	N	
13								Y	N	
4. HYDROGEOLOGIC LOG OF WELL						=		Y	N	
Q.								Y	N	
903								Y	N	
JIC.								Y	N	
100								Y	N	
GEO		·						Y	N	
RO								Y	N	
HXI								Y	N	
4								Y	N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
				-				Y	N	
	METHOD U	SED TO E	STIMATE YIELD	OF WATER-BEARIN	G STRATA:			TOTAL ESTI		
	PUME		IR LIFT	BAILER O	THER - SPECIFY:			WELL YIELI) (gpm):	0.00
VISION	WELL TEST	STAR	T TIME, END TI	ME, AND A TABLE S	I'A COLLECTED DURI HOWING DISCHARGE	AND DRA	WDOWN OVE	R THE TESTI	NG PERIC	DD.
test; rig supervi	MISCELLAN	NEOUS IN	FORMATION: Te	mporary well materi et below ground surf	als removed and the so ace, then hydrated ben	oil boring b tonite chips	ackfilled usin s from ten feet	g drill cutting below groun	s from to d surface	tal depth to ten to surface.
r; R								402	1-1-4-2	al nue es
TEST	PRINT NAM	E(S) OF D	RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPE	RVISION O	F WELL CONS	TRUCTION C	THER TH	IAN LICENSEE:
5.	Shane Eldric	lge, Carm	elo Trevino, Can	neron Pruitt						
TURE	CORRECT R	ECORD O	F THE ABOVE D	ESCRIBED HOLE AN	BEST OF HIS OR HER INTO THAT HE OR SHE INTO THE OR SHE INTO TH	WILL FILE				
6. SIGNATURE	Jack A	tkins		Ja	Jackie D. Atkins					
•		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE	NAME				DATE	
FOF	R OSE INTERN	NAL USE					WR-20 WEI	L RECORD &	LOG (Ven	rsion 06/30/2017)
	E NO.				POD NO.		TRN NO.			

LOCATION

2021-10-28_CP-1880_OSE_Well Record and Log-forsign

Final Audit Report 2021-10-29

Created: 2021-10-29

By: Lucas Middleton (lucas@atkinseng.com)

Status: Signed

Transaction ID: CBJCHBCAABAAHbGPqUFzZW-iJW82rSfLHfl-441ccwUI

"2021-10-28_CP-1880_OSE_Well Record and Log-forsign" History

- Document created by Lucas Middleton (lucas@atkinseng.com) 2021-10-29 3:57:03 PM GMT- IP address: 69.21.248.123
- Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2021-10-29 3:57:56 PM GMT
- Email viewed by Jack Atkins (jack@atkinseng.com) 2021-10-29 4:13:52 PM GMT- IP address: 64.90.153.232
- Document e-signed by Jack Atkins (jack@atkinseng.com)

 Signature Date: 2021-10-29 4:14:24 PM GMT Time Source: server- IP address: 64.90.153.232
- Agreement completed. 2021-10-29 - 4:14:24 PM GMT

CGE OT NOV 1 2021 PM4:43





PLUGGING RECORD



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

	ENERAL / WELL OWNERSHIP:			
State	Engineer Well Number: CP-1880 POD	1		
Well	owner: Advanced Energy Partners		Phone No.:	832.672.4700
Maili	ng address: 11490 Westheimer Rd. Stu	it 950		
City:	Houston	State:	Texas	Zip code: 77077
<u>п. v</u>	VELL PLUGGING INFORMATION	Ŀ		
1)	Name of well drilling company that	plugged well: Jac	kie D. Atkins (Atkins Enginee	ering Associates Inc.)
2)	New Mexico Well Driller License N			xpiration Date: 04/30/23
3)	Well plugging activities were superv Shane Eldridge, Carmelo Trevino, C		ing well driller(s)/rig supervis	sor(s):
4)	Date well plugging began: 10/14/2	2021	Date well plugging conclud	led: 10/14/2021
5)	GPS Well Location: Latitude: Longitud	<u>32</u> d e: <u>103</u> d	eg, <u>27</u> min, <u>30.</u> eg, <u>35</u> min, <u>22.</u>	43 sec 44 sec, WGS 84
6)	Depth of well confirmed at initiation by the following manner: weighted	n of plugging as: _ tape	105 ft below ground lev	vel (bgl),
7)	Static water level measured at initiat	tion of plugging:	n/a ft bgl	
8)	Date well plugging plan of operation	ns was approved by	the State Engineer: 07/08/2	2021
9)	Were all plugging activities consisted differences between the approved plugging activities and approved plugging activities and activities are all plugging activities and activities are all plugging activities and activities are all plugging activities consisted as a second activities are all plugging activities activities and activities are all plugging activities activities are all plugging activities	nt with an approve ugging plan and the	d plugging plan? Yes e well as it was plugged (attac	If not, please describe ch additional pages as needed):
				CSE DIT 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.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
1 -	0-10' Hydrated Bentonite	15.6 gallons	15 gallons	Augers	
	10'-105' Drill Cuttings	Approx. 151 gallons	151 gallons	Boring	
-					
-	8	MULTIPLY E cubic feet x 7.4	3Y AND OBTAIN 805 = gallons	933	DIT NOU 1 2021 PM4/43
		cubic yards x 201.9	07 = gallons		

III. SIGNATURE:

I, Jackie D. Atkins , say that I am familiar with the rules of the	Office of the State
Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Rec	ord and attachments
are true to the best of my knowledge and belief.	
Jack Atkins	10/29/2021
Signature of Well Driller	Date

Version: September 8, 2009 Page 2 of 2

2021-10-28_CP-1880-_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: CBJCHBCAABAAn2Et3mXPysmDjS0n_cG2KS-HTqqTalz8

"2021-10-28_CP-1880-_WD-11 Plugging Record-forsign" History

- Document created by Lucas Middleton (lucas@atkinseng.com) 2021-10-29 3:57:26 PM GMT- IP address: 69.21.248.123
- Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2021-10-29 3:58:06 PM GMT
- Email viewed by Jack Atkins (jack@atkinseng.com) 2021-10-29 4:12:56 PM GMT- IP address: 64.90.153.232
- Document e-signed by Jack Atkins (jack@atkinseng.com)

 Signature Date: 2021-10-29 4:13:43 PM GMT Time Source: server- IP address: 64.90.153.232
- Agreement completed. 2021-10-29 - 4:13:43 PM GMT

OSE DIT NOU 1 2021 PHA!43



Appendix C

Certificate of Analysis





October 24, 2022

ANDREW PARKER

ADVANCE ENERGY PARTNERS

11490 WESTHEIMER ROAD, STE. 950

HOUSTON, TX 77077

RE: WOOLHEAD A PAD

Enclosed are the results of analyses for samples received by the laboratory on 10/19/22 16:26.

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

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)

Celey D. Keine

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. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022 Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

mg/kg

Sample ID: CS - 01 0-2 FT (H224930-01)

BTEX 8021B

				-					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2022	ND	2.05	103	2.00	3.63	
Toluene*	<0.050	0.050	10/21/2022	ND	2.17	109	2.00	2.32	
Ethylbenzene*	<0.050	0.050	10/21/2022	ND	2.03	102	2.00	2.93	
Total Xylenes*	<0.150	0.150	10/21/2022	ND	6.12	102	6.00	3.89	
Total BTEX	<0.300	0.300	10/21/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/21/2022	ND	448	112	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2022	ND	213	106	200	6.70	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	217	108	200	8.41	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	83.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	86.7	% 46.3-17							

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 01 2-4 FT (H224930-02)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2022	ND	2.05	103	2.00	3.63	
Toluene*	<0.050	0.050	10/21/2022	ND	2.17	109	2.00	2.32	
Ethylbenzene*	<0.050	0.050	10/21/2022	ND	2.03	102	2.00	2.93	
Total Xylenes*	<0.150	0.150	10/21/2022	ND	6.12	102	6.00	3.89	
Total BTEX	<0.300	0.300	10/21/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/21/2022	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2022	ND	213	106	200	6.70	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	217	108	200	8.41	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	88.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	91.8	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 02 0-2 FT (H224930-03)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2022	ND	2.05	103	2.00	3.63	
Toluene*	<0.050	0.050	10/21/2022	ND	2.17	109	2.00	2.32	
Ethylbenzene*	<0.050	0.050	10/21/2022	ND	2.03	102	2.00	2.93	
Total Xylenes*	<0.150	0.150	10/21/2022	ND	6.12	102	6.00	3.89	
Total BTEX	<0.300	0.300	10/21/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/21/2022	ND	448	112	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2022	ND	213	106	200	6.70	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	217	108	200	8.41	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	90.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	94.7	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 02 2-4 FT (H224930-04)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2022	ND	2.05	103	2.00	3.63	
Toluene*	<0.050	0.050	10/21/2022	ND	2.17	109	2.00	2.32	
Ethylbenzene*	<0.050	0.050	10/21/2022	ND	2.03	102	2.00	2.93	
Total Xylenes*	<0.150	0.150	10/21/2022	ND	6.12	102	6.00	3.89	
Total BTEX	<0.300	0.300	10/21/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/21/2022	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2022	ND	213	106	200	6.70	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	217	108	200	8.41	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	86.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	89.9	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 03 0-2 FT (H224930-05)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2022	ND	2.05	103	2.00	3.63	
Toluene*	<0.050	0.050	10/21/2022	ND	2.17	109	2.00	2.32	
Ethylbenzene*	<0.050	0.050	10/21/2022	ND	2.03	102	2.00	2.93	
Total Xylenes*	<0.150	0.150	10/21/2022	ND	6.12	102	6.00	3.89	
Total BTEX	<0.300	0.300	10/21/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/21/2022	ND	448	112	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2022	ND	213	106	200	6.70	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	217	108	200	8.41	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	89.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	94.9	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 03 2-4 FT (H224930-06)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2022	ND	2.05	103	2.00	3.63	
Toluene*	<0.050	0.050	10/21/2022	ND	2.17	109	2.00	2.32	
Ethylbenzene*	<0.050	0.050	10/21/2022	ND	2.03	102	2.00	2.93	
Total Xylenes*	<0.150	0.150	10/21/2022	ND	6.12	102	6.00	3.89	
Total BTEX	<0.300	0.300	10/21/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/21/2022	ND	448	112	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2022	ND	213	106	200	6.70	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	217	108	200	8.41	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	86.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	91.9	% 46.3-17	8						

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Celeg D. Freene



Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 04 4.5 FT (H224930-07)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2022	ND	2.05	103	2.00	3.63	
Toluene*	<0.050	0.050	10/21/2022	ND	2.17	109	2.00	2.32	
Ethylbenzene*	<0.050	0.050	10/21/2022	ND	2.03	102	2.00	2.93	
Total Xylenes*	<0.150	0.150	10/21/2022	ND	6.12	102	6.00	3.89	
Total BTEX	<0.300	0.300	10/21/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	10/21/2022	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2022	ND	213	106	200	6.70	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	217	108	200	8.41	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	90.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	96.0	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 04 0-2 FT (H224930-08)

BTEX 8021B

DIEX GOZID	11197	ng .	Alldiyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2022	ND	2.05	103	2.00	3.63	
Toluene*	<0.050	0.050	10/21/2022	ND	2.17	109	2.00	2.32	
Ethylbenzene*	<0.050	0.050	10/21/2022	ND	2.03	102	2.00	2.93	
Total Xylenes*	<0.150	0.150	10/21/2022	ND	6.12	102	6.00	3.89	
Total BTEX	<0.300	0.300	10/21/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	10/21/2022	ND	448	112	400	3.64	
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	10/21/2022	ND	213	106	200	6.70	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	217	108	200	8.41	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	83.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	90.6	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 04 2-4 FT (H224930-09)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2022	ND	2.05	103	2.00	3.63	
Toluene*	<0.050	0.050	10/21/2022	ND	2.17	109	2.00	2.32	
Ethylbenzene*	<0.050	0.050	10/21/2022	ND	2.03	102	2.00	2.93	
Total Xylenes*	<0.150	0.150	10/21/2022	ND	6.12	102	6.00	3.89	
Total BTEX	<0.300	0.300	10/21/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	10/21/2022	ND	448	112	400	3.64	
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	10/21/2022	ND	213	106	200	6.70	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	217	108	200	8.41	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	86.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	93.5	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 05 0-2 FT (H224930-10)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2022	ND	2.05	103	2.00	3.63	
Toluene*	<0.050	0.050	10/21/2022	ND	2.17	109	2.00	2.32	
Ethylbenzene*	<0.050	0.050	10/21/2022	ND	2.03	102	2.00	2.93	
Total Xylenes*	<0.150	0.150	10/21/2022	ND	6.12	102	6.00	3.89	
Total BTEX	<0.300	0.300	10/21/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/21/2022	ND	448	112	400	3.64	
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	10/21/2022	ND	213	106	200	6.70	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	217	108	200	8.41	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	89.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	94.1	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 05 2-4 FT (H224930-11)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2022	ND	2.05	103	2.00	3.63	
Toluene*	<0.050	0.050	10/21/2022	ND	2.17	109	2.00	2.32	
Ethylbenzene*	<0.050	0.050	10/21/2022	ND	2.03	102	2.00	2.93	
Total Xylenes*	<0.150	0.150	10/21/2022	ND	6.12	102	6.00	3.89	
Total BTEX	<0.300	0.300	10/21/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/21/2022	ND	448	112	400	3.64	
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	10/21/2022	ND	213	106	200	6.70	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	217	108	200	8.41	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	82.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	89.9	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 06 0-2 FT (H224930-12)

BTEX 8021B

	<u> </u>	<u> </u>							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	2.05	103	2.00	3.63	
Toluene*	<0.050	0.050	10/22/2022	ND	2.17	109	2.00	2.32	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	2.03	102	2.00	2.93	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	6.12	102	6.00	3.89	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/21/2022	ND	448	112	400	3.64	
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	10/21/2022	ND	213	106	200	6.70	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	217	108	200	8.41	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	82.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	85.9	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil Project Name: WOOLHEAD A PAD Sampling Condition: Cool

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

mg/kg

Sample ID: CS - 06 2-4 FT (H224930-13)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	2.06	103	2.00	9.30	QM-07
Toluene*	<0.050	0.050	10/22/2022	ND	2.18	109	2.00	9.66	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	6.18	103	6.00	10.9	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/21/2022	ND	448	112	400	3.64	
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	10/21/2022	ND	213	106	200	6.70	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	217	108	200	8.41	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	88.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	93.9	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 07 0-2 FT (H224930-14)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	2.06	103	2.00	9.30	
Toluene*	<0.050	0.050	10/22/2022	ND	2.18	109	2.00	9.66	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	6.18	103	6.00	10.9	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	10/21/2022	ND	448	112	400	3.64	
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	10/21/2022	ND	213	106	200	6.70	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	217	108	200	8.41	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	87.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	90.8	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 07 2-4 FT (H224930-15)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	2.06	103	2.00	9.30	
Toluene*	<0.050	0.050	10/22/2022	ND	2.18	109	2.00	9.66	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	6.18	103	6.00	10.9	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/21/2022	ND	416	104	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	10/21/2022	ND	213	106	200	6.70	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	217	108	200	8.41	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	83.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	86.8	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 07 4.5 FT (H224930-16)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	2.06	103	2.00	9.30	
Toluene*	<0.050	0.050	10/22/2022	ND	2.18	109	2.00	9.66	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	6.18	103	6.00	10.9	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/21/2022	ND	416	104	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	10/21/2022	ND	213	106	200	6.70	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	217	108	200	8.41	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	85.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	89.3	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: Sampling Type: Soil 10/24/2022

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact Project Number: Sample Received By: 20220510-1209-DC Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: CS - 08 0-2 FT (H224930-17)

BTEX 8021B	mg/	kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	2.06	103	2.00	9.30	
Toluene*	<0.050	0.050	10/22/2022	ND	2.18	109	2.00	9.66	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	6.18	103	6.00	10.9	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	10/21/2022	ND	416	104	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	10/20/2022	ND	230	115	200	7.00	
DRO >C10-C28*	36.6	10.0	10/20/2022	ND	221	110	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					
Surrogate: 1-Chlorooctane	79.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	100 9	6 46.3-17	8						

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Celey D. Keine



Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 08 2-4 FT (H224930-18)

BTEX 8021B

				<u> </u>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	2.06	103	2.00	9.30	
Toluene*	<0.050	0.050	10/22/2022	ND	2.18	109	2.00	9.66	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	6.18	103	6.00	10.9	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 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	480	16.0	10/21/2022	ND	416	104	400	3.77	
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	10/20/2022	ND	230	115	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	221	110	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					
Surrogate: 1-Chlorooctane	83.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	101	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: NONE GIVEN

Sample ID: CS - 08 4.5 FT (H224930-19)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	2.06	103	2.00	9.30	
Toluene*	<0.050	0.050	10/22/2022	ND	2.18	109	2.00	9.66	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	6.18	103	6.00	10.9	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/21/2022	ND	416	104	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	10/20/2022	ND	230	115	200	7.00	
DRO >C10-C28*	26.0	10.0	10/20/2022	ND	221	110	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					
Surrogate: 1-Chlorooctane	83.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102	% 46.3-17	8						

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Celey D. Keine



Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 09 0-2 FT (H224930-20)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	2.06	103	2.00	9.30	
Toluene*	<0.050	0.050	10/22/2022	ND	2.18	109	2.00	9.66	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	6.18	103	6.00	10.9	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	10/21/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2022	ND	230	115	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	221	110	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					
Surrogate: 1-Chlorooctane	80.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	96.8	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 09 2-4 FT (H224930-21)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	2.06	103	2.00	9.30	
Toluene*	<0.050	0.050	10/22/2022	ND	2.18	109	2.00	9.66	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	6.18	103	6.00	10.9	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 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	272	16.0	10/21/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2022	ND	230	115	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	221	110	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					
Surrogate: 1-Chlorooctane	78.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	94.5	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

mg/kg

Sample ID: CS - 09 4.5 FT (H224930-22)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	2.06	103	2.00	9.30	
Toluene*	<0.050	0.050	10/22/2022	ND	2.18	109	2.00	9.66	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	6.18	103	6.00	10.9	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	10/21/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2022	ND	230	115	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	221	110	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					
Surrogate: 1-Chlorooctane	73.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	97.4	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

mg/kg

Sample ID: CS - 09 5.5 FT (H224930-23)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	2.06	103	2.00	9.30	
Toluene*	<0.050	0.050	10/22/2022	ND	2.18	109	2.00	9.66	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	6.18	103	6.00	10.9	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	10/21/2022	ND	416	104	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	10/20/2022	ND	230	115	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	221	110	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					
Surrogate: 1-Chlorooctane	82.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	100	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 10 0-2 FT (H224930-24)

BTEX 8021B

	<u> </u>	<u> </u>							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	2.06	103	2.00	9.30	
Toluene*	<0.050	0.050	10/22/2022	ND	2.18	109	2.00	9.66	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	6.18	103	6.00	10.9	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	10/21/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2022	ND	230	115	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	221	110	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					
Surrogate: 1-Chlorooctane	85.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	105	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

mg/kg

Sample ID: CS - 10 2-4 FT (H224930-25)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	2.06	103	2.00	9.30	
Toluene*	<0.050	0.050	10/22/2022	ND	2.18	109	2.00	9.66	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	6.18	103	6.00	10.9	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/21/2022	ND	416	104	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	10/20/2022	ND	230	115	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	221	110	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					
Surrogate: 1-Chlorooctane	77.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	94.4	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 11 0-2 FT (H224930-26)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	2.06	103	2.00	9.30	
Toluene*	<0.050	0.050	10/22/2022	ND	2.18	109	2.00	9.66	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	6.18	103	6.00	10.9	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	10/21/2022	ND	416	104	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	10/20/2022	ND	230	115	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	221	110	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					
Surrogate: 1-Chlorooctane	89.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	108	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 11 2-4 FT (H224930-27)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	2.06	103	2.00	9.30	
Toluene*	<0.050	0.050	10/22/2022	ND	2.18	109	2.00	9.66	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	6.18	103	6.00	10.9	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	10/21/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2022	ND	230	115	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	221	110	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					
Surrogate: 1-Chlorooctane	87.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	106	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 11 4.5 FT (H224930-28)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	2.06	103	2.00	9.30	
Toluene*	<0.050	0.050	10/22/2022	ND	2.18	109	2.00	9.66	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	6.18	103	6.00	10.9	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	10/21/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2022	ND	230	115	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	221	110	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					
Surrogate: 1-Chlorooctane	78.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	94.8	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 12 0-2 FT (H224930-29)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	2.06	103	2.00	9.30	
Toluene*	<0.050	0.050	10/22/2022	ND	2.18	109	2.00	9.66	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	6.18	103	6.00	10.9	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 69.9-140)						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6640	16.0	10/21/2022	ND	416	104	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	10/20/2022	ND	230	115	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	221	110	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					
Surrogate: 1-Chlorooctane	84.4	% 45.3-16.	l						
Surrogate: 1-Chlorooctadecane	102 9	% 46.3-178	8						

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Analytical Results For:

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

HOUSTON TX, 77077 Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 12 2-4 FT (H224930-30)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	2.06	103	2.00	9.30	
Toluene*	<0.050	0.050	10/22/2022	ND	2.18	109	2.00	9.66	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	6.18	103	6.00	10.9	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4320	16.0	10/21/2022	ND	416	104	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	10/21/2022	ND	230	115	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	221	110	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	85.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	104	% 46.3-17	8						

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Analytical Results For:

ADVANCE ENERGY PARTNERS

ANDREW PARKER

11490 WESTHEIMER ROAD, STE. 950

HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 12 4.5 FT (H224930-31)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	2.06	103	2.00	9.30	
Toluene*	<0.050	0.050	10/22/2022	ND	2.18	109	2.00	9.66	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	6.18	103	6.00	10.9	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	10/21/2022	ND	416	104	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	10/21/2022	ND	230	115	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	221	110	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	81.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	98.3	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 12 5.5 FT (H224930-32)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	2.06	103	2.00	9.30	
Toluene*	<0.050	0.050	10/22/2022	ND	2.18	109	2.00	9.66	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	6.18	103	6.00	10.9	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	10/21/2022	ND	416	104	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	10/21/2022	ND	230	115	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	221	110	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	76.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	92.0	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: Sampling Type: Soil 10/24/2022

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact Sample Received By: Project Number: 20220510-1209-DC Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: CS - 12 6.5 FT (H224930-33)

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	10/22/2022	ND	1.99	99.7	2.00	4.85	
Toluene*	<0.050	0.050	10/22/2022	ND	2.12	106	2.00	4.19	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	1.98	99.1	2.00	4.36	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	5.97	99.6	6.00	5.24	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	10/21/2022	ND	416	104	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	10/21/2022	ND	230	115	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	221	110	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	79.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	96.1	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 13 0-2 FT (H224930-34)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	1.99	99.7	2.00	4.85	
Toluene*	<0.050	0.050	10/22/2022	ND	2.12	106	2.00	4.19	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	1.98	99.1	2.00	4.36	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	5.97	99.6	6.00	5.24	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	10/21/2022	ND	416	104	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	10/21/2022	ND	230	115	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	221	110	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	79.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	95.4	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 13 2-4 FT (H224930-35)

BTEX 8021B

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	1.99	99.7	2.00	4.85	
Toluene*	<0.050	0.050	10/22/2022	ND	2.12	106	2.00	4.19	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	1.98	99.1	2.00	4.36	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	5.97	99.6	6.00	5.24	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/21/2022	ND	432	108	400	3.64	
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	10/21/2022	ND	230	115	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	221	110	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	82.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	100	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: Sampling Type: Soil 10/24/2022

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact Sample Received By: Project Number: 20220510-1209-DC Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: CS - 14 0-2 FT (H224930-36)

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	10/22/2022	ND	1.99	99.7	2.00	4.85	
Toluene*	<0.050	0.050	10/22/2022	ND	2.12	106	2.00	4.19	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	1.98	99.1	2.00	4.36	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	5.97	99.6	6.00	5.24	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	10/21/2022	ND	432	108	400	3.64	QM-07
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	10/21/2022	ND	230	115	200	7.00	
DRO >C10-C28*	15.6	10.0	10/21/2022	ND	221	110	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	84.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	103 9	46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 14 2-4 FT (H224930-37)

BTEX 8021B

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	1.99	99.7	2.00	4.85	
Toluene*	<0.050	0.050	10/22/2022	ND	2.12	106	2.00	4.19	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	1.98	99.1	2.00	4.36	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	5.97	99.6	6.00	5.24	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	10/21/2022	ND	432	108	400	3.64	
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	10/21/2022	ND	216	108	200	12.7	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	204	102	200	7.34	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	95.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	104	% 46.3-17	8						

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Analytical Results For:

ADVANCE ENERGY PARTNERS

ANDREW PARKER

11490 WESTHEIMER ROAD, STE. 950

HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 15 0-2 FT (H224930-38)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	1.99	99.7	2.00	4.85	
Toluene*	<0.050	0.050	10/22/2022	ND	2.12	106	2.00	4.19	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	1.98	99.1	2.00	4.36	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	5.97	99.6	6.00	5.24	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	10/21/2022	ND	432	108	400	3.64	
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	10/21/2022	ND	216	108	200	12.7	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	204	102	200	7.34	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	90.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	98.7	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 15 2-4 FT (H224930-39)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	1.99	99.7	2.00	4.85	
Toluene*	<0.050	0.050	10/22/2022	ND	2.12	106	2.00	4.19	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	1.98	99.1	2.00	4.36	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	5.97	99.6	6.00	5.24	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/21/2022	ND	432	108	400	3.64	
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	10/21/2022	ND	216	108	200	12.7	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	204	102	200	7.34	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	92.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	101	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: Sampling Type: Soil 10/24/2022

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact Sample Received By: Project Number: 20220510-1209-DC Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: CS - 15 4.5 FT (H224930-40)

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	10/22/2022	ND	1.99	99.7	2.00	4.85	
Toluene*	<0.050	0.050	10/22/2022	ND	2.12	106	2.00	4.19	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	1.98	99.1	2.00	4.36	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	5.97	99.6	6.00	5.24	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/21/2022	ND	432	108	400	3.64	
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	10/21/2022	ND	216	108	200	12.7	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	204	102	200	7.34	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	94.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102 9	46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 16 0-2 FT (H224930-41)

BTEX 8021B

DILX OUZID	iiig/	, kg	Andryzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	1.99	99.7	2.00	4.85	
Toluene*	<0.050	0.050	10/22/2022	ND	2.12	106	2.00	4.19	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	1.98	99.1	2.00	4.36	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	5.97	99.6	6.00	5.24	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	10/21/2022	ND	432	108	400	3.64	
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	10/21/2022	ND	216	108	200	12.7	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	204	102	200	7.34	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	94.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	104	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 16 2-4 FT (H224930-42)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	1.99	99.7	2.00	4.85	
Toluene*	<0.050	0.050	10/22/2022	ND	2.12	106	2.00	4.19	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	1.98	99.1	2.00	4.36	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	5.97	99.6	6.00	5.24	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/21/2022	ND	432	108	400	3.64	
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	10/21/2022	ND	216	108	200	12.7	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	204	102	200	7.34	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	93.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: CS - 16 4.5 FT (H224930-43)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	1.99	99.7	2.00	4.85	
Toluene*	<0.050	0.050	10/22/2022	ND	2.12	106	2.00	4.19	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	1.98	99.1	2.00	4.36	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	5.97	99.6	6.00	5.24	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 69.9-14	0						
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	10/21/2022	ND	432	108	400	3.64	
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	10/21/2022	ND	216	108	200	12.7	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	204	102	200	7.34	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	92.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	101 9	% 46.3-17e	8						

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Celey D. Keine



Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: 10/24/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: NONE GIVEN

Sample ID: CS - 17 0-2 FT (H224930-44)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2022	ND	1.99	99.7	2.00	4.85	
Toluene*	<0.050	0.050	10/22/2022	ND	2.12	106	2.00	4.19	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	1.98	99.1	2.00	4.36	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	5.97	99.6	6.00	5.24	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/21/2022	ND	432	108	400	3.64	
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	10/21/2022	ND	216	108	200	12.7	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	204	102	200	7.34	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	92.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102	% 46.3-17	8						

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Analytical Results For:

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

Fax To: (832) 672-4609

Received: 10/19/2022 Sampling Date: 10/19/2022

Reported: Sampling Type: Soil 10/24/2022

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact Project Number: Sample Received By: 20220510-1209-DC Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: CS - 18 0-2 FT (H224930-45)

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	10/22/2022	ND	1.99	99.7	2.00	4.85	
Toluene*	<0.050	0.050	10/22/2022	ND	2.12	106	2.00	4.19	
Ethylbenzene*	<0.050	0.050	10/22/2022	ND	1.98	99.1	2.00	4.36	
Total Xylenes*	<0.150	0.150	10/22/2022	ND	5.97	99.6	6.00	5.24	
Total BTEX	<0.300	0.300	10/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 69.9-14	0						
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	10/21/2022	ND	432	108	400	3.64	
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	10/21/2022	ND	216	108	200	12.7	
DRO >C10-C28*	<10.0	10.0	10/21/2022	ND	204	102	200	7.34	
EXT DRO >C28-C36	<10.0	10.0	10/21/2022	ND					
Surrogate: 1-Chlorooctane	92.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102 9	46.3-17	8						

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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

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Celeg D. Freene



101 East Marland, Hobbs, NM 88240

	15	0		RILL	070				ANA	ANALYSIS REC	REQUEST
Project Manager: A NOTEW IN	Luck! hellen		, O	P.O. #: 2022	-	30	-		-		
			Co	Company:						-	
City:	State:	Zip:	Attn:	in:			_				_
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Project #:	Project Owner:		City:	ty:			2)	(_		
Project Name: 202205/0~ /	204-06		St	State:	Zip:		MR	ED	_		
Project Location: Wool head	A Pod		Pt	Phone #:			o ti	7	_		
	SAE~2		Fa	Fax #:			one	B	_		
			MATRIX	PRESERV.	SAMPLING	ING	de	ne,			
Lab I.D. Sample I.D.		(G)RAB OR (C)O # CONTAINERS GROUNDWATER	WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER :	DATE	TIME	TCH/C	TPHCO Benze			
(6-5)	0-2PF	01	×	_×	10/19/2	8:10m	-0	- 0			
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40-50 6	1.11-6			<	-	2016	<u> </u>	-			
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the application of t	y and client's exclusive remedy for a say other cause whatsoever shall be to consequented damages including	ny claim arising w deemed waived u	ent's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the and cause whatspearer shall be deemed waived unless made in writing and received by Cardinal within 30 or cause whatspearer shall be deemed waived unless made in writing and received by Cardinal within 30 or cause whatspearer shall be deemed waived unless made in writing and received by Cardinal within 30 or cause what speakers.	ort, shall be limited to ceived by Cardinal voor loss of particles.	to the amount paid within 30 days after offs incurred by cl	ount paid by the client for the a lays after completion of the a red by client, its subsidiaries.	the applicable es,	9	-		
afficiates or successors arising out of or related to the performance Relinquished By: 7AUBSAENZ	Time: 26	Received By:	of sendors hereunder by Cardinal, regardless of whether such claim is based upon any of the above so Date: Date	ased upon any of the	above stated rea	Verbal Result: All Results are	sult:	□ Yes □ ailed. Pleas	□ No Ado	All Results are emailed. Please provide Email address:	
Relinquished By:	Date:	Received By	d By:			REMARKS	Same	July J	DC	chause	To. 10/20/2
Delivered By: (Circle One)	Observed Temp. °C 3.9	かっかい	Sample Condition Cool Intact Yes Yes	1	CHECKED BY: (Initials)	Turnaround Time: Thermometer ID #1	d Time:	Standard Rush	ard D		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C No Yes Yes Corrected Temp. °C



MALYSIS REQUISION - 13 M - 12	(575)	575) 393-2326 FAX (575) 393-24/6	6							١			
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Yes	Lab I.D.			WASTEWATER SOIL OIL SLUDGE	ACID/BASE:	OTHER ;	DATE <->TIME	Chlorite	7/17 (61	Denzene			
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Observed Temp. °C 3.9 Sample Condition CHECKED BY: Turnaround Time: Standard Bacteria (only) S Cool Intact (Initials) Corrected Temp. °C 3.3 Pyes Pyes Correction Factor -0.6°C No.	Relinquished By:		Rece	sived By:		4	REMAR	KS:					
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(575) 393-2326	(575) 393-2326 FAX (575) 393-2476	176									
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Relinquished By: 5 h 6 h 5 REN 2	Date: 1972	7 Resigna	Received By:			Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	☐ Yes emailed.	es □ No d. Please pro	Add'	Add'l Phone #: ide Email address:	
		교	Received By:			REMARKS:					
Delivered By: (Circle One)	Observed Temp. °C	W CN W	Sample Condition Cool_intact Ayes Ayes	\ 3	CHECKED BY: (Initials)	Turnaround Time: Thermometer ID #1	me: #113	Standard Rush		Bacteria (only) (Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ∐Yes ∐Yes
Sampler - UPS - Bus - Other:	Corrected Temp. °C 33	CN		8	. 6	Thermometer ID #113 Correction Factor -0.6°C	#113 r -0.6°C			□ No □ No	Corrected Temp. °C

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Project Location: Woolhead	Woolherd	April							Phone #:	ne	*				_	11	17			_			_			_			
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FOR LAB USE ONLY	- 1		ΛP.			MA	MATRIX			RE	PRESERV.	.<	SAN	SAMPLING		10-1	ene.												
Lab I.D.	Sample I.D.	e I.D.	(G)RAB OR (C)OMP	# CONTAINERS GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	DATE <>> TIME	Colla ac	JULY CO.	TPIT CO												
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(5/5) 3	5/5) 393-2326 FAX (5/5) 393-24/6	6				
Company Name: Advince	a Every's Portners	,	BILL TO		ANALYSIS REQUEST	
Project Manager: Andrew			P.O. #: 21220510-1209-D	20-60		
Address:			Company:			_
City:	State: 2	Zip:	Attn:			
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Project #:	Project Owner:		City:	na		_
Project Name: 20220510 - 1201 - PC	10-1201-DC		State: Zip:	111		_
Project Location: Worlhord A Pull	and APAN		Phone #:	ne		
Sampler Name: 37466	5121013 5AERZ		Fax #:	11	1.	
			PRESERV. SAM	SAMPLING Le	en e,	
Lab I.D	Sample I.D.	(G)RAB OR (C)OMI # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	Chloria TritCG Benze	Page 20	
41-57 14	0-267	a a	2	10/19/22 1 1		
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4505-18	0-287	4	1055.c	Ø		
analyses. All claims including those for negligence and any o service. In no event shall Cardinal be liable for incidental or or affiliates or successors arising out of or related to the perform	onse onse	ause whatsoever shall be deemed waived unless made in writing and rec quental damages, including without limitation, business interruptions, loss of services hereunder by Cardinal, regardless of whether such claim is ba	nd received by Cardinal within 30 days aft, , loss of use, or loss of profits incurred by n is based upon any of the above stated re	er completion of the applicable client, its subsidiaries, easons or otherwise.		
SHOS SHEN	10	Received By:	1 2111	Verbal Result: ☐ Yes All Results are emailed. Pl	Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #: All Results are emailed. Please provide Email address:	
Relinquished By:	Date:	Received By:		REMARKS:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C Corrected Temp. °C	Sample Condition Cool Intact Cool Types Types S.3 No No No	tion CHECKED BY: (Initials) ss	Turnaround Time: St Rt Thermometer ID #113 Correction Factor -0.6°C	Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. Yes Yes No Orrected Temp.	ample Condition Observed Temp. °C Corrected Temp. °C



December 07, 2022

ANDREW PARKER

ADVANCE ENERGY PARTNERS

11490 WESTHEIMER ROAD, STE. 950

HOUSTON, TX 77077

RE: WOOLHEAD A PAD

Enclosed are the results of analyses for samples received by the laboratory on 12/02/22 14:25.

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

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.

Wite Sough

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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (832) 672-4609

Received: 12/02/2022 Sampling Date: 12/02/2022

Reported: 12/07/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: CS - 04 E 0 FT (H225661-01)

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	12/05/2022	ND	2.15	108	2.00	1.26	
Toluene*	<0.050	0.050	12/05/2022	ND	2.15	107	2.00	1.64	
Ethylbenzene*	<0.050	0.050	12/05/2022	ND	2.11	105	2.00	0.280	
Total Xylenes*	<0.150	0.150	12/05/2022	ND	6.46	108	6.00	1.36	
Total BTEX	<0.300	0.300	12/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/06/2022	ND	448	112	400	3.64	
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	12/05/2022	ND	203	102	200	5.98	
DRO >C10-C28*	<10.0	10.0	12/05/2022	ND	186	92.8	200	1.88	
EXT DRO >C28-C36	<10.0	10.0	12/05/2022	ND					
Surrogate: 1-Chlorooctane	95.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	94.5	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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Me Sough

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (832) 672-4609

Received: 12/02/2022 Sampling Date: 12/02/2022

Reported: 12/07/2022 Sampling Type: Soil

Project Name: WOOLHEAD A PAD Sampling Condition: Cool & Intact
Project Number: 20220510-1209-DC Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: NONE GIVEN

Sample ID: CS - 08 NW 0 FT (H225661-02)

RTFY 8021R

B1EX 8021B	mg,	кg	Апануге	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2022	ND	2.15	108	2.00	1.26	
Toluene*	<0.050	0.050	12/05/2022	ND	2.15	107	2.00	1.64	
Ethylbenzene*	<0.050	0.050	12/05/2022	ND	2.11	105	2.00	0.280	
Total Xylenes*	<0.150	0.150	12/05/2022	ND	6.46	108	6.00	1.36	
Total BTEX	<0.300	0.300	12/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/06/2022	ND	448	112	400	3.64	
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	12/05/2022	ND	203	102	200	5.98	
DRO >C10-C28*	<10.0	10.0	12/05/2022	ND	186	92.8	200	1.88	
EXT DRO >C28-C36	<10.0	10.0	12/05/2022	ND					
Surrogate: 1-Chlorooctane	101	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	101	% 46.3-17	8						

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Mile Sough

Mike Snyder For 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

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Released to Imaging: 1/10/2023 9:43:45 AM

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

(5/5) 383-2320 FAA (5/5) 383-2410	W (010) 000-2410			ANALYSIS DECLIEST	
Company Name: Advance Energy Partners	zy Partners			ANALTOIS REGUES!	
Project Manager: Andrew Parker	97	100 #: 2012 0510 - 1209	24.		
File		Company: AEP			_
	State: Zip:	Attn: Send to			_
Phone #:	Fax #:	Address: aparker@			_
Project #:	Project Owner:	city: ameredev.com			_
ame: 10 20 0510-	1209- dc	State: Zip:	RO		_
Project Location: Washerd A	Pad	Phone #:	-М		_
Sampler Name: Jacob Sacnz		Fax #:	20-	EX	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	E	E, BT	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMI # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	CHLORIDI	BENZENE,	
1	- #	, Q		Q	
2C5-08NW	6 -	5 500	9:15m & 8	***************************************	
PLEASE NOTE: Liability and Demages. Cardinal's liability at analyses. All claims including those for negligence and any of searchs. In no swent shall Cardinal be liable for incidential or or	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim artising whether based in contract or for, shall be limited to the amount paid by the client for the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed watered unless made in white 30 clients within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed watered unless made in white 30 days after completion of the applicable analyses. All claims including through the include the production of profits incurred by client, its absolutions, so	nitract or fort, shall be limited to the amount pa ng and received by Cardinal within 30 days aft tions, loss of use, or loss of profits incurred by	id by the client for the ar completion of the applicable client, its subsidiaries,		,
Relinquished By:	Date: 7-77 Received By:	s of whether such claim is based upon any of the above stated in	Phone Result: Yes	□ No Add'I Phone #:	
Jan 19		a Walabae	REMARKS:	N	
Relinguished By:	Date: Received By:				
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	#113 Sample Condition Cool intact	ndition CHECKED BY: loct (Initials)			

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

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

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

CONDITIONS

Action 165984

CONDITIONS

Operator:	OGRID:
ADVANCE ENERGY PARTNERS HAT MESA, LLC	372417
11490 Westheimer Rd., Ste 950	Action Number:
Houston, TX 77077	165984
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Creat By	d Condition	Condition Date
jnot	ui Closure Report Approved. Please implement 19.15.29.13 NMAC when completing P&A.	1/10/2023