

State of New Mexico
Oil Conservation Division

Incident ID	NRM2026031628
District RP	
Facility ID	
Application ID	

Release Notification**Responsible Party**

Responsible Party: Advance Energy Partners Hat Mesa LLC	OGRID: 372417
Contact Name: David Harwell	Contact Telephone: 281-235-3431
Contact email: DHarwell@advanceenergypartners.com	Incident # (assigned by OCD)
Contact mailing address: 11490 Westheimer Rd. Suite 950. Houston, TX 77077	

Location of Release SourceLatitude 32.4516331Longitude -103.6193296

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: 09082020-1045-prodops	Site Type: Pipeline ROW
Date Release Discovered: 09/08/2020 @ 10:45 hrs	API#

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

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private**Nature and Volume of Release**

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

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

Cause of Release: Evidence of unknown release identified during environmental lease inspection. Observed mud in pipeline ROW. Impacted area is approximately 3,119 sq. ft mapped by GPS with +/- 1-foot resolution.

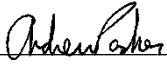
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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Andrew Parker</u> Title: <u>Environmental Scientist</u> Signature: <u></u> Date: <u>Sept. 09, 2020</u> email: <u>aparker@advanceenergypartners.com</u> Telephone: <u>970-570-9535</u>
<u>OCD Only</u> Received by: <u>Ramona Marcus</u> Date: <u>9/16/2020</u>

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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>100</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

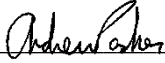
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform 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: September 30, 2020

email: aparker@advanceenergypartners.com

Telephone: 970-570-9535

OCD Only

Received by: Cristina Eads

Date: 10/29/2020

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Closure

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

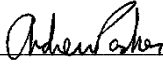
Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

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

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

Printed Name: Andrew Parker

Title: Env. Scientist

Signature: 

Date: September 30, 2020

email: aparker@advanceenergypartners.com

Telephone: 970-570-9535

OCD Only

Received by: Cristina Eads

Date: 10/29/2020

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

Closure Approved by: 

Date: 01/22/2021

Printed Name: Cristina Eads

Title: Environmental Specialist



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

September 30, 2020

New Mexico Environmental Department
1220 South St. Francis Dr.
Santa Fe, NM 87505

RE: Closure Report
Incident ID: NRM2026031628
AEP #: 09082020-1045-prodops
Location: In ROW Dagger State Lease N/S Road

NMOCD:

Advance Energy Partners Hat Mesa LLC submits this closure report for the above referenced incident. We ask closure for the regulatory file.

The unauthorized release was discovered on September 08, 2020 in a right-of-way on State surface. Field investigations suggest that a hydrovac released excavated soil (Figure 1) after performing surface trenching for construction purposes for the installation of flowlines and electrical associated with oil and gas operations. The release extent covered 3,119 square feet. Figure 2 is a representative photo showing the released excavated material (source material) that flowed over the surface.



Figure 1: Photo of release viewing south from the northern extent of the release. GPS: 32.4516556 N, 103.6197056 W. Date/Time: 2020-09-08 10:43:04

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Figure 2: Source material that was released in the right-of-way. GPS: 32.4516556 N, 103.6197056 W.
Date/Time: 2020-09-08 10:43:04

Characterization

On September 10, 2020; soil samples were collected in the four cardinal directions to horizontally and vertically delineate the release extent and two samples were collected within the source material (Plate 1). Soil samples were submitted for laboratory testing for the analysis of the constituents listed in Table 1 of 19.5.29 NMAC. As presented in Table A, all soil samples obtained for characterization, including the source material, were below the most stringent closure criteria listed in Table 1 of 19.15.29 NMAC.

Depth-to-Water

The nearest water well is CP-00795 located 2-miles north of the release extent. The USGS gauged the well (Site No: 322852103370001) on 04/18/1991 with a depth to water reading of 141.19 ft. The second nearest water well is CP-01701 POD 1 located 2.3 miles southwest of the release area with a depth to water of 560 ft dated 11/29/2018.

The Office of State Engineer well logs are attached.

Significant Water Courses/Sources

The nearest water source is mapped as an intermittent stream located 1.32-miles southwest of the release area.

Lithology

Hand auger samples and excavation activities to a depth of 1-foot indicate surface soils are right-of-way backfill material composed of a reddish-brown silty sand and caliche.

Remediation

On September 17, 2020; approximately 20 cubic yards of source material was excavated and hauled offsite for proper disposal (Figure 3).

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Figure 3: Excavation of source material - hauled off for proper disposal. Photograph is viewing northwest from southeastern release extent. GPS: 32.4513564 N, 103.6196942 W. Date/Time: 2020-09-17 11:24:43

As the source material characterization samples were below the most stringent closure criteria listed in Table 1 of 19.15.29 NMAC, we divided the remediated area into two representative sections for the collection of confirmation samples on September 17, 2020. Confirmation samples were below the most stringent closure criteria listed in Table 1 of 19.15.29 NMAC. Plate 1 shows the location of confirmation samples (B-01 and B-02). Each confirmation sample represents a 5-point composite sample as represented in Figure 4.

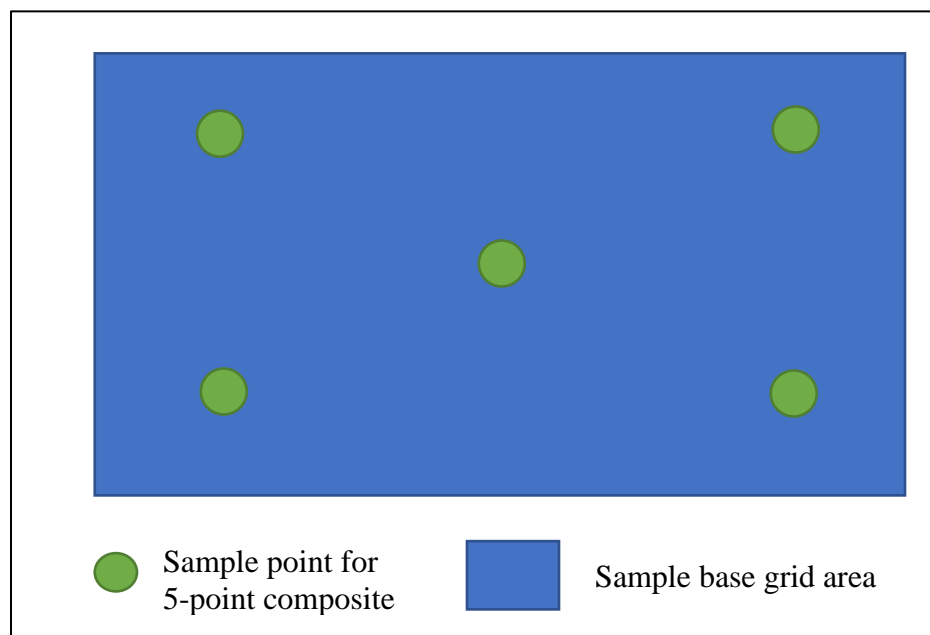


Figure 4: Example of 5-point sample base grid for composite sampling.

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The surface was restored per 19.15.29.13 NMAC (Figure 5) as a right-of-way easement.



Figure 5: Restored right-of-way surface viewing north from the southern extent of restored surface. GPS: 32.4512972 N, 103.6197161 W. Date/Time: 2020-09-30 08:31:57.

Please contact me with any questions.

Sincerely,

Andrew Parker
Advance Energy Partners, LLC
Environmental Scientist

Cc: Ryan Mann; State Land Office

09/30/2020

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09/30/2020

Table A
Summary of AnalyticalIncident #: NRM2026031628
AEP #: 09082020-1045-prodops

Sample ID	Date	Comments	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	In Use (Yes/No)	Chloride (PPM)	GRO+DRO (PPM)	TPH Ext. (PPM)	Benzene (PPM)	BTEX (PPM)
NMOCD Closure Criteria											
0 - 4 feet & "not in-use"							600	--	2,500	10	50
> 4 ft or "in-use"							20,000	1,000	2,500	10	50
North	9/10/2020	Characterization		0.0	1.0	ROW	32	<20	<30	<0.05	<0.3
East	9/10/2020	Characterization		0.0	1.0	ROW	<16	<20	<30	<0.05	<0.3
South	9/10/2020	Characterization		0.0	1.0	ROW	<16	<20	<30	<0.05	<0.3
West	9/10/2020	Characterization		0.0	1.0	ROW	32	<20	<30	<0.05	<0.3
South Central	9/10/2020	Source Material	0.0			ROW	<16	<20	<30	<0.05	<0.3
South Central	9/10/2020	Underneath Source Material	1.0			ROW	<16	<20	<30	<0.05	<0.3
North Central	9/10/2020	Source Material	0.0			ROW	16	<20	<30	<0.05	<0.3
North Central	9/10/2020	Underneath Source Material	1.0			ROW	<16	<20	<30	<0.05	<0.3
B-1	9/17/2020	Confirmation	0.0			ROW	64	<20	<30	<0.05	<0.3
B-2	9/17/2020	Confirmation	0.0			ROW	48	<20	<30	<0.05	<0.3



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

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

FOR OSE INTERNAL USE

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

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

FOR USE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

Released to Imaging: 1/22/2021 11:49:00 AM

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

Declaration of Owner of Underground Water Right

Capitan

BASIN NAME

Declaration No. CP-795 Date received July 21, 1993

STATEMENT

1. Name of Declarant Daniel C. Berry
 Mailing Address Box 160 Eunice
 County of Lea, State of New Mexico
2. Source of water supply shallow
 (artesian or shallow water aquifer)
3. Describe well location under one of the following subheadings:
 a. SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Sec. 18 Twp. 21 S Rge. 33 E N.M.P.M., in
Lea County.
 b. Tract No. _____ of Map No. _____ of the _____
 c. X = _____ feet. Y = _____ feet. N. M. Coordinate System _____ Zone
 in the _____ Grant.
 On land owned by Declarant
4. Description of well: date drilled 1940's driller ? depth 170 feet.
6' of
 outside diameter of casing 6 inches; original capacity _____ gal. per min.; present capacity 2
 gal. per min.; pumping lift _____ feet; static water level _____ feet (above) (below) land surface;
 make and type of pump Aeromotor Windmill
 make, type, horsepower, etc., of power plant _____
 Fractional or percentage interest claimed in well 100%
5. Quantity of water appropriated and beneficially used 3
 (acre feet per acre) (acre feet per annum)
 for stock watering purposes.
6. Acreage actually irrigated _____ acres, located and described as follows (describe only lands actually irrigated):

Subdivision	Sec.	Twp.	Range	Acres Irrigated	Owner

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

7. Water was first applied to beneficial use 1940's and since that time
 month _____ day _____ year _____
 has been used fully and continuously on all of the above described lands or for the above described purposes except
 as follows: _____

8. Additional statements or explanations Eaves East

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

Daniel C. Berry declarant.

Subscribed and sworn to before me this 20th day of July, A.D. 1993

My commission expires Sept 18, 1993 Dolores J. Smith Notary Public

FILED

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

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

Section (s) 18, Township 21, Range 33 N. M. P. M.

	X						

INSTRUCTIONS

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

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

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

Secs. 1-3. Complete all blanks.

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

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

Sec. 6. Describe only the acreage actually irrigated. When necessary to clearly define irrigated acreages, describe to nearest 2½ acre subdivision. If located on unsurveyed lands, describe by legal subdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily-located natural object.

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

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

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

SF



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

ELUID MARTINEZ
STATE ENGINEER

ROSWELL

DISTRICT II
1900 West Second St.
Roswell, New Mexico 88201
(505) 622-6521

July 27, 1993

Files: CP-793; CP-794; CP-795; CP-796;
CP-797; CP-798; CP-799; CP-800;
CP-801; CP-802; CP-803; CP-804

Daniel C. Berry
Box 160
Eunice, NM 88231

Dear Mr. Berry:

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

Please refer to these numbers in all future correspondence concerning these declarations.

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

Yours very truly,

Johnny R. Hernandez
Lea County Basin Supervisor

JRH/fh
Encls.

cc: Santa Fe

92 JUL 28 10 00 AM '93
92 JUL 28 10 00 AM '93
92 JUL 28 10 00 AM '93



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

September 15, 2020

ANDREW PARKER

ADVANCE ENERGY PARTNERS

11490 WESTHEIMER ROAD, STE. 950

HOUSTON, TX 77077

RE: ADVANCE ENERGY

Enclosed are the results of analyses for samples received by the laboratory on 09/10/20 16:30.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/10/2020	Sampling Date:	09/10/2020
Reported:	09/15/2020	Sampling Type:	Soil
Project Name:	ADVANCE ENERGY	Sampling Condition:	Cool & Intact
Project Number:	09082020 - 1045 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: NORTH 0-1' (H002407-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2020	ND	2.01	101	2.00	0.0766	
Toluene*	<0.050	0.050	09/11/2020	ND	2.05	102	2.00	0.00424	
Ethylbenzene*	<0.050	0.050	09/11/2020	ND	2.01	101	2.00	0.280	
Total Xylenes*	<0.150	0.150	09/11/2020	ND	5.78	96.3	6.00	0.305	
Total BTEX	<0.300	0.300	09/11/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/11/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2020	ND	172	85.8	200	10.3	QR-03
DRO >C10-C28*	<10.0	10.0	09/11/2020	ND	180	90.2	200	8.40	
EXT DRO >C28-C36	<10.0	10.0	09/11/2020	ND					

Surrogate: 1-Chlorooctane 98.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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Analytical Results For:

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

Received:	09/10/2020	Sampling Date:	09/10/2020
Reported:	09/15/2020	Sampling Type:	Soil
Project Name:	ADVANCE ENERGY	Sampling Condition:	Cool & Intact
Project Number:	09082020 - 1045 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: EAST 0-1' (H002407-02)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2020	ND	1.99	99.6	2.00	2.10		
Toluene*	<0.050	0.050	09/11/2020	ND	1.94	97.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	09/11/2020	ND	1.97	98.4	2.00	2.16		
Total Xylenes*	<0.150	0.150	09/11/2020	ND	5.73	95.6	6.00	2.21		
Total BTX	<0.300	0.300	09/11/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/11/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2020	ND	172	85.8	200	10.3	
DRO >C10-C28*	<10.0	10.0	09/11/2020	ND	180	90.2	200	8.40	
EXT DRO >C28-C36	<10.0	10.0	09/11/2020	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-144

Surrogate: 1-Chlorooctadecane 111 % 42.2-156

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Analytical Results For:

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

Received:	09/10/2020	Sampling Date:	09/10/2020
Reported:	09/15/2020	Sampling Type:	Soil
Project Name:	ADVANCE ENERGY	Sampling Condition:	Cool & Intact
Project Number:	09082020 - 1045 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SOUTH 0-1' (H002407-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2020	ND	1.99	99.6	2.00	2.10	
Toluene*	<0.050	0.050	09/11/2020	ND	1.94	97.1	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/11/2020	ND	1.97	98.4	2.00	2.16	
Total Xylenes*	<0.150	0.150	09/11/2020	ND	5.73	95.6	6.00	2.21	
Total BTX	<0.300	0.300	09/11/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/11/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2020	ND	172	85.8	200	10.3	
DRO >C10-C28*	<10.0	10.0	09/11/2020	ND	180	90.2	200	8.40	
EXT DRO >C28-C36	<10.0	10.0	09/11/2020	ND					

Surrogate: 1-Chlorooctane 91.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.9 % 42.2-156

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Analytical Results For:

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

Received:	09/10/2020	Sampling Date:	09/10/2020
Reported:	09/15/2020	Sampling Type:	Soil
Project Name:	ADVANCE ENERGY	Sampling Condition:	Cool & Intact
Project Number:	09082020 - 1045 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: WEST 0-1' (H002407-04)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2020	ND	1.99	99.6	2.00	2.10		
Toluene*	<0.050	0.050	09/11/2020	ND	1.94	97.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	09/11/2020	ND	1.97	98.4	2.00	2.16		
Total Xylenes*	<0.150	0.150	09/11/2020	ND	5.73	95.6	6.00	2.21		
Total BTX	<0.300	0.300	09/11/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/11/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2020	ND	175	87.5	200	11.5	
DRO >C10-C28*	<10.0	10.0	09/11/2020	ND	197	98.7	200	2.04	QR-03
EXT DRO >C28-C36	<10.0	10.0	09/11/2020	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 114 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/10/2020	Sampling Date:	09/10/2020
Reported:	09/15/2020	Sampling Type:	Soil
Project Name:	ADVANCE ENERGY	Sampling Condition:	Cool & Intact
Project Number:	09082020 - 1045 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SOUTH CENTRAL 0' (H002407-05)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2020	ND	1.99	99.6	2.00	2.10		
Toluene*	<0.050	0.050	09/11/2020	ND	1.94	97.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	09/11/2020	ND	1.97	98.4	2.00	2.16		
Total Xylenes*	<0.150	0.150	09/11/2020	ND	5.73	95.6	6.00	2.21		
Total BTX	<0.300	0.300	09/11/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/11/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2020	ND	175	87.5	200	11.5	
DRO >C10-C28*	<10.0	10.0	09/11/2020	ND	197	98.7	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/11/2020	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/10/2020	Sampling Date:	09/10/2020
Reported:	09/15/2020	Sampling Type:	Soil
Project Name:	ADVANCE ENERGY	Sampling Condition:	Cool & Intact
Project Number:	09082020 - 1045 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SOUTH CENTRAL 1' (H002407-06)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2020	ND	1.99	99.6	2.00	2.10		
Toluene*	<0.050	0.050	09/11/2020	ND	1.94	97.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	09/11/2020	ND	1.97	98.4	2.00	2.16		
Total Xylenes*	<0.150	0.150	09/11/2020	ND	5.73	95.6	6.00	2.21		
Total BTX	<0.300	0.300	09/11/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/11/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2020	ND	175	87.5	200	11.5	
DRO >C10-C28*	<10.0	10.0	09/11/2020	ND	197	98.7	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/11/2020	ND					

Surrogate: 1-Chlorooctane 98.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 106 % 42.2-156

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Analytical Results For:

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

Received:	09/10/2020	Sampling Date:	09/10/2020
Reported:	09/15/2020	Sampling Type:	Soil
Project Name:	ADVANCE ENERGY	Sampling Condition:	Cool & Intact
Project Number:	09082020 - 1045 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: NORTH CENTRAL 0' (H002407-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2020	ND	1.99	99.6	2.00	2.10	
Toluene*	<0.050	0.050	09/11/2020	ND	1.94	97.1	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/11/2020	ND	1.97	98.4	2.00	2.16	
Total Xylenes*	<0.150	0.150	09/11/2020	ND	5.73	95.6	6.00	2.21	
Total BTEX	<0.300	0.300	09/11/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/11/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2020	ND	175	87.5	200	11.5	
DRO >C10-C28*	<10.0	10.0	09/11/2020	ND	197	98.7	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/11/2020	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-144

Surrogate: 1-Chlorooctadecane 111 % 42.2-156

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Analytical Results For:

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

Received:	09/10/2020	Sampling Date:	09/10/2020
Reported:	09/15/2020	Sampling Type:	Soil
Project Name:	ADVANCE ENERGY	Sampling Condition:	Cool & Intact
Project Number:	09082020 - 1045 - PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: NORTH CENTRAL 1' (H002407-08)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2020	ND	1.99	99.6	2.00	2.10		
Toluene*	<0.050	0.050	09/11/2020	ND	1.94	97.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	09/11/2020	ND	1.97	98.4	2.00	2.16		
Total Xylenes*	<0.150	0.150	09/11/2020	ND	5.73	95.6	6.00	2.21		
Total BTX	<0.300	0.300	09/11/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/11/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2020	ND	175	87.5	200	11.5	
DRO >C10-C28*	<10.0	10.0	09/11/2020	ND	197	98.7	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/11/2020	ND					

Surrogate: 1-Chlorooctane 84.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.1 % 42.2-156

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Advance Energy Partners		BILL TO		ANALYSIS REQUEST																																									
Project Manager: Andrew Parker		P.O. #: 09082020-1045- <i>prelim</i>																																											
Address: On-File		Company: AEP																																											
City: State: Zip:		Attn: Send to																																											
Phone #: Fax #:		Address: A.parker@advance																																											
Project #: Project Owner:		City: energypartners.com																																											
Project Name:		State: Zip:																																											
Project Location: 09082020-1045- <i>prodops</i>		Phone #:																																											
Sample Name: Jacob Saenz		Fax #:																																											
FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING																																							
Lab I.D. Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		CHLORIDE		TPH (GRO+DRO+MRO)		BENZENE, BTEX													
<i>HE02407</i>		1 North		0-1Ft		C		1		X										9/19/20		10:25am		X		X		X																	
2 East		0-1Ft																																											
3 South		0-1Ft																																											
4 West		0-1Ft																																											
5 South Central		0-1Ft																																											
6 North Central		0-1Ft																																											
7 North Central		1-1Ft																																											
8 North Central		1-1Ft																																											

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Relinquished By: <i>SA 603 SA 10-20</i>		Date: <i>10-30</i>		Received By: <i>Amara</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Add'l Phone #: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Add'l Fax #: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		REMARKS:	
Relinquished By:		Date:		Received By:											
Delivered By: (Circle One)		Time:				Sample Condition		CHECKED BY: (Initials)							
Sampler - UPS - Bus - Other:		4.0°C #113				Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>	



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

September 23, 2020

ANDREW PARKER

ADVANCE ENERGY PARTNERS

11490 WESTHEIMER ROAD, STE. 950

HOUSTON, TX 77077

RE: ROW NEAR DAGGER STATE

Enclosed are the results of analyses for samples received by the laboratory on 09/18/20 16:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/18/2020	Sampling Date:	09/17/2020
Reported:	09/23/2020	Sampling Type:	Soil
Project Name:	ROW NEAR DAGGER STATE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	09082020-1045-PRODOPS		

Sample ID: B - 01 0' (H002491-01)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2020	ND	2.16	108	2.00	1.05	
Toluene*	<0.050	0.050	09/21/2020	ND	2.20	110	2.00	1.07	
Ethylbenzene*	<0.050	0.050	09/21/2020	ND	2.19	109	2.00	1.10	
Total Xylenes*	<0.150	0.150	09/21/2020	ND	6.28	105	6.00	1.16	
Total BTEX	<0.300	0.300	09/21/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: GM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/21/2020	ND	416	104	400	3.92	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2020	ND	180	89.8	200	1.24	
DRO >C10-C28*	<10.0	10.0	09/23/2020	ND	180	90.0	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	09/23/2020	ND					

Surrogate: 1-Chlorooctane 86.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/18/2020	Sampling Date:	09/17/2020
Reported:	09/23/2020	Sampling Type:	Soil
Project Name:	ROW NEAR DAGGER STATE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	09082020-1045-PRODOPS		

Sample ID: B - 02 0' (H002491-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/21/2020	ND	2.16	108	2.00	1.05		
Toluene*	<0.050	0.050	09/21/2020	ND	2.20	110	2.00	1.07		
Ethylbenzene*	<0.050	0.050	09/21/2020	ND	2.19	109	2.00	1.10		
Total Xylenes*	<0.150	0.150	09/21/2020	ND	6.28	105	6.00	1.16		
Total BTEx	<0.300	0.300	09/21/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/21/2020	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2020	ND	180	89.8	200	1.24	
DRO >C10-C28*	<10.0	10.0	09/21/2020	ND	180	90.0	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	09/21/2020	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 118 % 42.2-156

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 10906

CONDITIONS OF APPROVAL

Operator:	ADVANCE ENERGY PARTNERS HAT ME	11490 Westheimer Rd., Ste 950	Houston, TX77077	OGRID:	372417	Action Number:	10906	Action Type:	C-141
OCD Reviewer	Condition								
ceads	None								