Artesia Laboratory
200 E Main St.
Artesia, NM 88210
Phone 575-746-3481

Certificate of Analysis

Number: 6030-21040218-001A

Apr. 27, 2021

Boone Bajgier
Advance Energy
11490 Westheimer Rd Suite 950
Houston, TX TX 77077

Station Name:	Anderson Fed Com 704H	Sampled By:	Mike West
Station Number:	2340116	Sample Of:	Liquid Spot
Station Location:	Advance	Sample Date:	04/20/2021 13:26
Sample Point:	Meter Run	Sample Conditions:	89.8 psig, @ 103.2 °F
Analyzed:	04/26/2021 14:44:43 by KNF	Method:	GPA 2103M
		Cylinder No:	5030-01054

Analytical Data

Components	Mol. %	MW	Wt. %	Sp. Gravity	L.V. %
Nitrogen	0.010	28.013	0.002	0.8069	0.002
Methane	1.928	16.043	0.207	0.3000	0.507
Carbon Dioxide	0.021	44.010	0.006	0.8172	0.005
Ethane	3.555	30.069	0.715	0.3563	1.475
Propane	6.455	44.096	1.904	0.5072	2.759
Iso-Butane	1.510	58.122	0.587	0.5628	0.766
n-Butane	6.000	58.122	2.333	0.5842	2.934
Iso-Pentane	2.486	72.149	1.200	0.6251	1.411
n-Pentane	3.822	72.149	1.845	0.6307	2.150
i-Hexanes	2.900	85.527	1.659	0.6678	1.825
n-Hexane	2.218	86.175	1.279	0.6641	1.415
2,2,4-Trimethylpentane	0.054	114.229	0.041	0.6964	0.043
Benzene	1.025	78.112	0.536	0.8844	0.445
Heptanes	9.093	100.202	6.095	0.6882	6.508
Toluene	1.824	92.138	1.124	0.8719	0.947
Octanes	9.738	114.229	7.443	0.7066	7.741
Ethylbenzene	0.480	106.165	0.341	0.8716	0.287
Xylenes	1.840	106.167	1.307	0.8761	1.096
Nonanes	4.882	128.255	4.189	0.7222	4.262
Decanes Plus	40.159	250.097	67.187	0.7784	63.422
	100.000		100.000		100.000

Calculated Physical Properties	Total	C10+
Specific Gravity at 60°F	0.7348	0.7784
API Gravity at 60°F	61.067	50.273
Molecular Weight	149.483	250.097
Pounds per Gallon (in Vacuum)	6.126	6.490
Pounds per Gallon (in Air)	6.119	6.483
Cu. Ft. Vapor per Gallon @ 14.73 psia	15.517	9.825

Hydrocarbon Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

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Apr. 27, 2021

Station Name: Anderson Fed Com 704H
Station Number: 2340116
Station Location: Advance
Sample Point: Meter Run

Sampled By: Mike West
Sample Of: Liquid Spot
Sample Date: 04/20/2021 13:26
Sample Conditions: 89.8 psig, @ 103.2 °F
Cylinder No: 5030-01054

Analytical Data

Test	Method	Result	Units	Detection Limit	Lab Tech.	Analysis Date
VP of Crude Oil: V/L = 4:1 @ 100 °F	ASTM D-6377	10.91	psi		KNF	04/23/2021
RVPE (D323 Equivalent) @ 37.8 °C	ASTM D-6377	9.98	psi		KNF	04/23/2021

Hydrocarbon Laboratory Manager

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ADVANCE ENERGY PARTNERS

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

To whom it may concern:

For flare volume calculation, we use a high-pressure flare meter to get the best and most accurate flare readings.

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

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

QUESTIONS

Action 35524

QUESTIONS

Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 11490 Westheimer Rd., Ste 950 Houston, TX 77077	OGRID: 372417
	Action Number: 35524
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional guidance.	
Was or is this venting or flaring caused by an emergency or malfunction	No
Did or will this venting or flaring last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a notification of a major venting or flaring	**Yes, major venting or flaring of natural gas.**
The operator shall file a form C-141 instead of a form C-129 for a release that includes liquid during venting or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.	
Was there or will there be **at least 50 MCF** of natural gas vented or flared during this event	Yes
Did this venting or flaring result in the release of **ANY** liquids (not fully and/or completely flared) that reached (or has a chance of reaching) the ground, a surface, a watercourse, or otherwise, with reasonable probability, endanger public health, the environment or fresh water	No

Unregistered Facility Site	
Please provide the facility details, if the venting or flaring occurred or is occuring at a facility that does not have an Facility ID (f#) yet.	
Facility or Site Name	Anderson Pad A
Facility Type	Tank Battery - (TB)

Equipment Involved	
Primary Equipment Involved	Gas Plant
Additional details for Equipment Involved. Please specify	*Not answered.*

Representative Compositional Analysis of Vented or Flared Natural Gas	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	66
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	0
Oxygen (02) percentage, if greater than one percent	0
If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.	
Methane (CH4) percentage quality requirement	*Not answered.*
Nitrogen (N2) percentage quality requirement	*Not answered.*
Hydrogen Sufide (H2S) PPM quality requirement	*Not answered.*
Carbon Dioxide (C02) percentage quality requirement	*Not answered.*
Oxygen (02) percentage quality requirement	*Not answered.*

Date(s) and Time(s)	
Date venting or flaring was discovered or commenced	06/03/2021
Time venting or flaring was discovered or commenced	06:45 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	06/03/2021
Time venting or flaring was terminated	02:45 PM
Total duration of venting or flaring in hours, if venting or flaring has terminated	8
Longest duration of cumulative hours within any 24-hour period during this event	8

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance | Gas Plant | Natural Gas Flared | Spilled: 3,471 Mcf | Recovered: 0 Mcf | Lost: 3,471 Mcf]
Other Released Details	*Not answered.*
Additional details for Measured or Estimated Volume(s). Please specify	*Not answered.*
Is this a gas only submission (i.e. only Mcf values reported)	**Yes, according to supplied volumes this appears to be a "gas only" report.**

Venting or Flaring Resulting from Downstream Activity	
Was or is this venting or flaring a result of downstream activity	Yes
Date notified of downstream activity requiring this venting or flaring	06/03/2021
Time notified of downstream activity requiring this venting or flaring	06:45 AM

Steps and Actions to Prevent Waste

For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control.	True
Please explain reason for why this event was beyond your operator's control	3rd Party Gas plant issue
Steps taken to limit the duration and magnitude of venting or flaring	Communicate with 3rd Party
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Continue to communicate with 3rd party and get pipelines back up and running as soon as possible.

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CONDITIONS

Action 35524

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Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 11490 Westheimer Rd., Ste 950 Houston, TX 77077	OGRID: 372417
	Action Number: 35524
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
system	If the information provided in this report requires an amendment, submit a [C-129] Request to Amend Venting and/or Flaring Incident, utilizing your incident number from this event.	7/8/2021