Certificate of Analysis

Number: 6030-21070125-001A

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

Jeffery Cook
Advanced Energy Partners, LLC
11490 Westheimer Road
Suite 950
Houston, TX 77077

July 16, 2021

Station Name:	Dagger Lake 513H	Sampled By:	Mike West
Station Number:	2340128	Sample Of:	Gas Spot
Cylinder No:	1111-001335	Sample Date:	07/14/2021 11:50
Instrument:	6030_GC6 (Inficon GC-3000 Micro)	Sample Conditions:	78 psig, @ 91 °F Ambient: 82 °F
Last Inst. Cal.:	07/12/2021 0:00 AM	Effective Date:	07/14/2021 11:50
Analyzed:	07/16/2021 14:43:58 by EJR	Method:	GPA-2261M

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.000	0.00000	0.000		GPM TOTAL C2+	8.382
Nitrogen	2.296	2.28907	2.604		GPM TOTAL C3+	4.650
Methane	67.273	67.07257	43.687		GPM TOTAL iC5+	1.194
Carbon Dioxide	1.878	1.87271	3.346			
Ethane	13.931	13.88935	16.957	3.732		
Propane	8.184	8.15925	14.608	2.258		
Iso-butane	1.015	1.01198	2.388	0.333		
n-Butane	2.740	2.73135	6.446	0.865		
Iso-pentane	0.705	0.70300	2.059	0.258		
n-Pentane	0.806	0.80350	2.354	0.293		
Hexanes Plus	1.472	1.46722	5.551	0.643		
	100.300	100.00000	100.000	8.382		

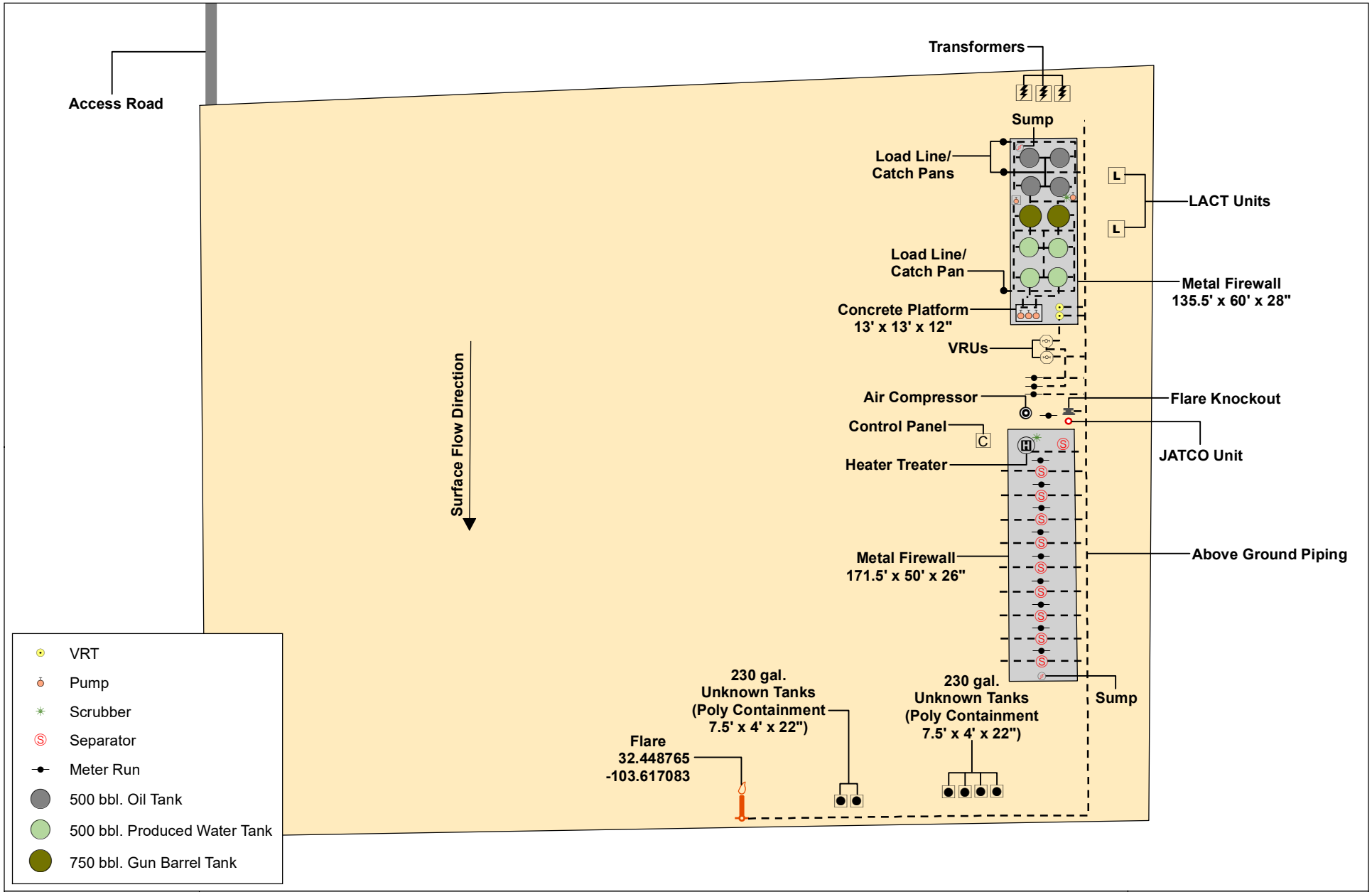
Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8543	3.2176
Calculated Molecular Weight	24.63	93.19
Compressibility Factor	0.9951	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1396	5141
Water Sat. Gas Base BTU	1373	5052
Ideal, Gross HV - Dry at 14.73 psia	1389.3	5141.1
Ideal, Gross HV - Wet	1365.2	5051.6

Comments: H2S Field Content 0 ppm

Data reviewed by: Eric Ramirez, Analyst

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

Date	Route	Site	Meter	Meter Type	Yest Volume	Static Line	Differential	Accumulative	Plate Size	Flowrate	Run Time	Reason
10/14/22	2. DAGGER STATE	Dagger State NW Battery	Dagger State NW Battery Flare Meter - 3 BEAR	Flare Meter	75		0	7,259			0	
10/15/22	2. DAGGER STATE	Dagger State NW Battery	Dagger State NW Battery Flare Meter - 3 BEAR	Flare Meter	194		0	7,453			0	-



N
W E
S

SITE PLAN
Dagger State NW Tank Battery
Lea County, NM

0 100 200 400 600 Feet

SPHERE 3 ENVIRONMENTAL

1501 Bill Owens Parkway
Longview, TX 75604
Phone: (903) 297-4673
www.sphere3env.com

Advance Energy Partners Hat Mesa, LLC	Project Number: 049023.00	Date: 03/22/2022	Coordinate System: NAD 1983 UTM Zone 13 North

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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

DEFINITIONS

Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 11490 Westheimer Rd., Ste 950 Houston, TX 77077	OGRID: 372417
	Action Number: 163972
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:

- this application's operator, hereinafter "this operator";
- venting and/or flaring, hereinafter "vent or flare";
- any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";
- the statements in (and/or attached to) this, hereinafter "the statements in this";
- and the past tense will be used in lieu of mixed past/present tense questions and statements.

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QUESTIONS

Action 163972

QUESTIONS

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	Action Number: 163972
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites	
Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.	
Incident Well	*Unavailable.*
Incident Facility	**[fAPP2202636027] Dagger State Northwest Battery**

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 this vent or flare caused by an emergency or malfunction	Yes
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a vent or flare event	**Yes, minor venting and/or flaring of natural gas.**
An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.	
Was there **at least 50 MCF** of natural gas vented and/or flared during this event	Yes
Did this vent or flare 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
Was the vent or flare within an incorporated municipal boundary or withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved	
Primary Equipment Involved	*Not answered.*
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	67
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	2
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.*

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QUESTIONS (continued)

Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 11490 Westheimer Rd., Ste 950 Houston, TX 77077	OGRID: 372417
	Action Number: 163972
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	10/15/2022
Time vent or flare was discovered or commenced	02:30 PM
Time vent or flare was terminated	07:00 PM
Cumulative hours during this event	5

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure | Other (Specify) | Natural Gas Flared | Released: 194 Mcf | Recovered: 0 Mcf | Lost: 194 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 significant Mcf values reported)	**Yes, according to supplied volumes this appears to be a "gas only" report.**

Venting or Flaring Resulting from Downstream Activity	
Was this vent or flare a result of downstream activity	No
Was notification of downstream activity received by this operator	*Not answered.*
Downstream OGRID that should have notified this operator	*Not answered.*
Date notified of downstream activity requiring this vent or flare	*Not answered.*
Time notified of downstream activity requiring this vent or flare	*Not answered.*

Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control.	True
Please explain reason for why this event was beyond this operator's control	Stack valve didn't have weight and were awaiting to be fixed.
Steps taken to limit the duration and magnitude of vent or flare	Replaced a new hatch.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Shut in the well to limit production.

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ACKNOWLEDGMENTS

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	Action Number: 163972
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit a *Venting and/or Flaring* (C-129) report on behalf of this operator and understand that this report can be **a complete** C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
☑	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
☑	I hereby certify the statements in this report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.
☑	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
☑	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

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CONDITIONS

Action 163972

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CONDITIONS

Created By	Condition	Condition Date
cescayu	If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	12/5/2022