



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

Station Number: 2340128

Cylinder No: 1111-001335

Instrument: 6030_GC6 (Inficon GC-3000 Micro)

Last Inst. Cal.: 07/12/2021 0:00 AM

Analyzed: 07/16/2021 14:43:58 by EJR

Sampled By: Mike West

Sample Of: Gas Spot

Sample Date: 07/14/2021 11:50

Sample Conditions: 78 psig, @ 91 °F Ambient: 82 °F

Effective Date: 07/14/2021 11:50

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

Relative Density Real Gas

Total

0.8543

C6+

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

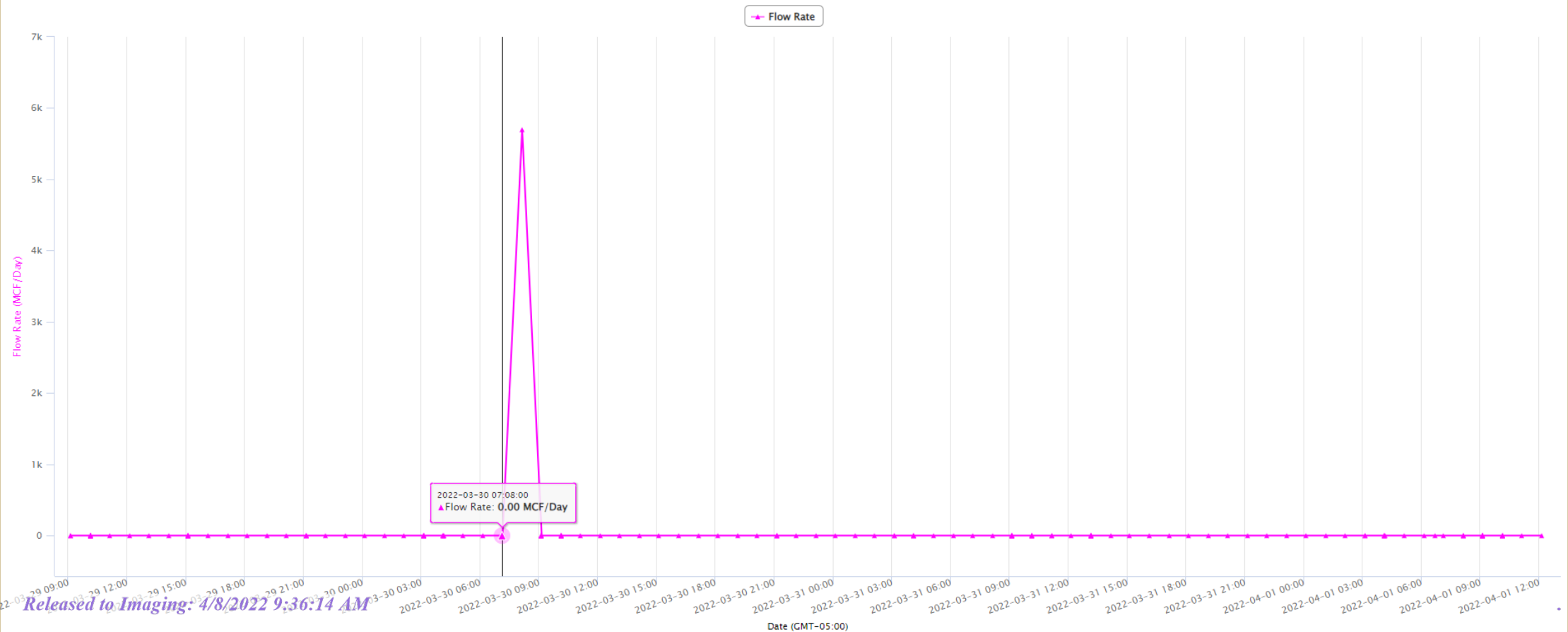
Quality Assurance:

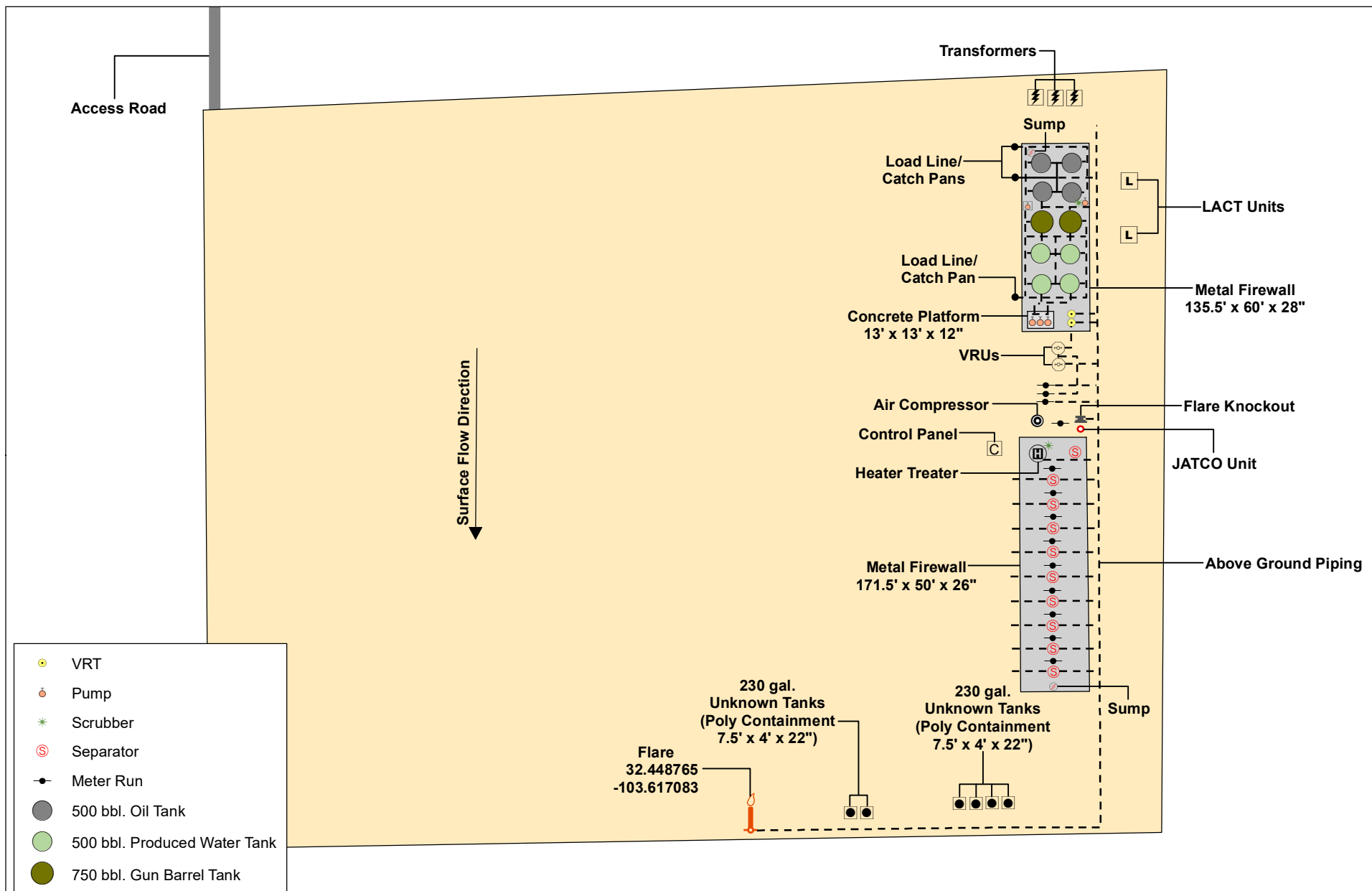
The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

View data from 2022-03-15 09:54 to 2022-04-08 10:16

Dagger State NW Flare TF

Zedi Access 7-day sensor graph (Raw)





	SITE PLAN Dagger State NW Tank Battery Lea County, NM			
	0 100 200 400 600 Feet			
Advance Energy Partners Hat Mesa, LLC	Project Number: 049023.00	Date: 03/22/2022	Coordinate System: NAD 1983 UTM Zone 13 North	1501 Bill Owens Parkway Longview, TX 75604 Phone: (903) 297-4673 www.sphere3env.com

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

DEFINITIONS

Action 96904

DEFINITIONS

Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 11490 Westheimer Rd., Ste 950 Houston, TX 77077	OGRID: 372417
	Action Number: 96904
	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: <ul style="list-style-type: none">• 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 96904

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	Action Number: 96904
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QUESTIONS

Prerequisites	
<i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident Well	Not answered.
Incident Facility	[fAPP2202636027] Dagger State Northwest Battery

Determination of Reporting Requirements	
<i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
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.
<i>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.</i>	
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	Pipeline (Any)
Additional details for Equipment Involved. Please specify	Not answered.

Representative Compositional Analysis of Vented or Flared Natural Gas	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	67
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	2
Oxygen (O2) percentage, if greater than one percent	0
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
Methane (CH4) percentage quality requirement	Not answered.
Nitrogen (N2) percentage quality requirement	Not answered.
Hydrogen Sulfide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (CO2) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 96904

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	03/30/2022
Time vent or flare was discovered or commenced	07:08 AM
Time vent or flare was terminated	08:08 AM
Cumulative hours during this event	1

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 Pipeline (Any) Natural Gas Flared Released: 217 Mcf Recovered: 0 Mcf Lost: 217 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	Compressor malfunction leading to lost control of valves and could only flared the gas
Steps taken to limit the duration and magnitude of vent or flare	Multiple compressors are ready on site to ensure enough compressed air is available
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Shut in the wells before equipment can be fixed

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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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

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CONDITIONS

Created By	Condition	Condition Date
dkhan	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.	4/8/2022