



Certificate of Analysis

Number: 6030-22050089-005A

Artesia Laboratory

200 E Main St.

Artesia, NM 88210

Phone 575-746-3481

Alex Batista
Taprock
602 Park Point Drive
Ste. 200
Golden, CO 80401

May 10, 2022

Station Name: Prometheus B St Com 202H
Station Number: 7060500
Sample Point: Meter Run
Formation: Spot
County: Lea, NM
Type of Sample: Spot-Cylinder
Heat Trace Used: N/A
Sampling Method: Fill and Purge
Sampling Company: SPL

Sampled By: James Hill
Sample Of: Gas Spot
Sample Date: 05/05/2022 10:06
Sample Conditions: 173.3 psig, @ 139.6 °F Ambient: 60 °F
Effective Date: 05/05/2022 10:06
Method: GPA-2261M
Cylinder No: 5030-01189
Instrument: 70142339 (Inficon GC-MicroFusion)
Last Inst. Cal.: 05/09/2022 0:00 AM
Analyzed: 05/10/2022 07:41:16 by ERG

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.000	0.00000	0.000		GPM TOTAL C2+	7.173
Nitrogen	1.163	1.18287	1.467		GPM TOTAL C3+	3.699
Methane	72.461	73.71796	52.363		GPM TOTAL iC5+	0.779
Carbon Dioxide	0.138	0.14060	0.274			
Ethane	12.717	12.93770	17.225	3.474		
Propane	6.711	6.82762	13.331	1.889		
Iso-butane	0.918	0.93433	2.404	0.307		
n-Butane	2.249	2.28791	5.888	0.724		
Iso-pentane	0.521	0.52994	1.693	0.195		
n-Pentane	0.624	0.63482	2.028	0.231		
Hexanes Plus	0.793	0.80625	3.327	0.353		
	98.295	100.00000	100.000	7.173		

Calculated Physical Properties

Relative Density Real Gas	0.7828	C6+	3.2176
Calculated Molecular Weight	22.58		93.19
Compressibility Factor	0.9958		

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

Real Gas Dry BTU	1347	5141
Water Sat. Gas Base BTU	1324	5052
Ideal, Gross HV - Dry at 14.73 psia	1341.4	5141.1
Ideal, Gross HV - Wet	1318.1	5051.6

Comments: H2S Field Content 0 ppm
Mcf/day 4705.2

Hydrocarbon Laboratory Manager

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

Flaring Summary

battery	12/16/2022
	Sum(TOTAL F...
Prometheus State Com CTB B	562.50
Grand total	562.50

date » (Column Names)

Data table:
flare_report_data (2)
Colors:
All values

battery

Sum(TOTAL FLARE (HP + LP))

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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 168455

DEFINITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 168455
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 168455

QUESTIONS

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	Action Number: 168455
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 Operator	[372043] TAP ROCK OPERATING, LLC
Incident Type	Flare
Incident Status	Closure Not Approved
Incident Well	Unavailable.
Incident Facility	[fAPP2212541394] Prometheus B CTB
Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.	

Determination of Reporting Requirements Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional 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, major 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	72
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	0
Oxygen (O2) 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 (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 168455

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	12/16/2022
Time vent or flare was discovered or commenced	12:01 AM
Time vent or flare was terminated	11:59 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 Tank (Any) Natural Gas Flared Released: 562 Mcf Recovered: 0 Mcf Lost: 562 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	Yes
Was notification of downstream activity received by this operator	No
Downstream OGRID that should have notified this operator	[372422] LUCID ENERGY DELAWARE, LLC
Date notified of downstream activity requiring this vent or flare	
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	False
Please explain reason for why this event was beyond this operator's control	Not answered.
Steps taken to limit the duration and magnitude of vent or flare	Tap Rock saw flare volumes due to flash gas coming off the tanks and an excess amount of oxygen at the tank level. The flash gas needs to be flared for safety purposes regarding to facility integrity and for those on those working the facility. Our midstream company is having trouble with high O2 on their midstream side. Tap Rock is analyzing this location and the equipment on location to verify the facility can capture all excess gas. The facility ran with normal operations and no reasoning for the excess flare was found. If flaring continues Tap Rock will alter the facility by placing additional gas takeaway equipment.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Tap Rock saw flare volumes due to flash gas coming off the tanks and an excess amount of oxygen at the tank level. The flash gas needs to be flared for safety purposes regarding to facility integrity and for those on those working the facility. Our midstream company is having trouble with high O2 on their midstream side. Tap Rock is analyzing this location and the equipment on location to verify the facility can capture all excess gas. The facility ran with normal operations and no reasoning for the excess flare was found. If flaring continues Tap Rock will alter the facility by placing additional gas takeaway equipment.

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ACKNOWLEDGMENTS

Action 168455

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ACKNOWLEDGMENTS

☒	I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC.
☒	I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record.
☒	I hereby certify the statements in this amending 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 168455

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	Action Number: 168455
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
bramsey	If the information provided in this report requires further amendment(s), submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	12/26/2022