



## Certificate of Analysis

Number: 6030-22030139-006A

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

Mar. 10, 2022

Station Name: Blue Marlin CTB Sales Check  
Station Number: 7060430  
Sample Point: Meter run  
Formation: Quarterly  
County: Lea  
Type of Sample: Spot-Cylinder  
Heat Trace Used: N/A  
Sampling Method: Fill and Purge  
Sampling Company: SPL

Sampled By: Hill  
Sample Of: Gas Spot  
Sample Date: 03/07/2022 10:31  
Sample Conditions: 87.2 psig, @ 80.9 °F Ambient: 40 °F  
Effective Date: 03/07/2022 10:31  
Method: GPA-2261M  
Cylinder No: 5030-04697  
Instrument: 70142339 (Inficon GC-MicroFusion)  
Last Inst. Cal.: 03/07/2022 0:00 AM  
Analyzed: 03/10/2022 13:21:52 by ERG

## Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.000	0.400	0.567		GPM TOTAL C2+	7.745
Nitrogen	1.723	1.740	2.028		GPM TOTAL C3+	4.463
Methane	68.693	69.365	46.289		GPM TOTAL iC5+	0.939
Carbon Dioxide	1.794	1.812	3.317			
Ethane	12.098	12.216	15.280	3.282		
Propane	8.039	8.118	14.891	2.246		
Iso-butane	1.262	1.274	3.080	0.419		
n-Butane	2.688	2.714	6.562	0.859		
Iso-pentane	0.712	0.719	2.158	0.264		
n-Pentane	0.608	0.614	1.843	0.224		
Hexanes Plus	1.018	1.028	3.985	0.451		
	98.635	100.000	100.000	7.745		

## Calculated Physical Properties

Relative Density Real Gas	0.8336	C6+	3.2176
Calculated Molecular Weight	24.04		93.19
Compressibility Factor	0.9953		

## GPA 2172 Calculation:

Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia & 60°F

Real Gas Dry BTU	1369	5141
Water Sat. Gas Base BTU	1346	5052
Ideal, Gross HV - Dry at 14.73 psia	1362.8	5141.1
Ideal, Gross HV - Wet	1339.0	5051.6
Net BTU Wet Gas - real gas	1224	

Comments: H<sub>2</sub>S Field Content 4000 ppm  
CO<sub>2</sub> 2.0%  
Mcf/day 8726.5

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	10/15/2022
	Sum(TOTAL F...
Blue Marlin Fed Com CTB B	344.00
Grand total	344.00

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 153154

DEFINITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 153154
	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"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul>
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QUESTIONS

Action 153154

**QUESTIONS**

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 153154
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b> <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	[fAPP2201147795] Blue Marlin CTB

<b>Determination of Reporting Requirements</b> <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	No
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 <b>ANY</b> 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 within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

<b>Equipment Involved</b>	
Primary Equipment Involved	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b> <i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	69
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 153154

QUESTIONS (continued)

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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	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   Separator   Natural Gas Flared   Released: 344 Mcf   Recovered: 0 Mcf   Lost: 344 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.	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 a higher than normal flare volume due to continuous issues with the VRU unit on location. The downtime increased low pressure flare. Tap Rock saw flare volumes due to flash gas coming off of the tanks and an excess amount of oxygen at the tank level. Tap Rock is working on the VRU and plans to bring on the wells slowly after the problem is corrected. No timetable has been given.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Tap Rock saw a higher than normal flare volume due to continuous issues with the VRU unit on location. The downtime increased low pressure flare. Tap Rock saw flare volumes due to flash gas coming off of the tanks and an excess amount of oxygen at the tank level. Tap Rock is working on the VRU and plans to bring on the wells slowly after the problem is corrected. No timetable has been given.

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ACKNOWLEDGMENTS

Action 153154

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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 <b>complete</b> 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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	Action Number: 153154
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CONDITIONS

Created By	Condition	Condition Date
bramsey	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.	10/24/2022