



## Certificate of Analysis

Number: 6030-21030306-005A

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

Mar. 29, 2021

Station Name: Welcome to Golden G Fed Com 202H  
Station Number: 7060157  
Sample Point: Meter Run  
Formation: Quarterly  
County: Eddy  
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: 03/25/2021 10:02  
Sample Conditions: 76.5 psig, @ 111.4 °F Ambient: 41 °F  
Effective Date: 03/25/2021 10:02  
Method: GPA-2261M  
Cylinder No: 1111-001291  
Instrument: 70104124 (Inficon GC-MicroFusion)  
Last Inst. Cal.: 03/15/2021 0:00 AM  
Analyzed: 03/29/2021 13:28:42 by EJR

## Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.000	0.000	0.000		GPM TOTAL C2+	7.174
Nitrogen	0.807	0.808	0.981		GPM TOTAL C3+	4.015
Methane	74.714	74.851	52.051		GPM TOTAL iC5+	1.342
Carbon Dioxide	0.101	0.101	0.193			
Ethane	11.741	11.762	15.330	3.159		
Propane	6.002	6.013	11.493	1.664		
Iso-butane	0.919	0.921	2.320	0.303		
n-Butane	2.225	2.229	5.616	0.706		
Iso-pentane	0.667	0.668	2.089	0.245		
n-Pentane	0.837	0.839	2.624	0.305		
Hexanes Plus	1.805	1.808	7.303	0.792		
	99.818	100.000	100.000	7.174		

## Calculated Physical Properties

Relative Density Real Gas	0.7999	C6+	3.2176
Calculated Molecular Weight	23.07		93.19
Compressibility Factor	0.9955		

## GPA 2172 Calculation:

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

Real Gas Dry BTU	1381	5141
Water Sat. Gas Base BTU	1357	5052
Ideal, Gross HV - Dry at 14.73 psia	1374.4	5141.1
Ideal, Gross HV - Wet	1350.4	5051.6
Net BTU Wet Gas - real gas	1234	

Comments: H<sub>2</sub>S Field Content 2.5 ppm  
Mcf/day 2216.7

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

(Column Names) » date

Data table:  
flare\_report\_data (2)  
Colors:  
All values

battery	Sum(TOTAL F...
	5/25/2021
WTG Fed Com Battery	340.30
Grand total	340.30

battery

Sum(TOTAL FLARE (HP + LP))

**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

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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 31073

**QUESTIONS**

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043 Action Number: 31073 Action Type: [C-129] Venting and/or Flaring (C-129)
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**QUESTIONS****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 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, minor venting or flaring of natural gas.
<b>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 19.13.29.7 NMAC.</b>	
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 occurring at a facility that does not have an Facility ID (##) yet.

Facility or Site Name	WTG Facility
Facility Type	Tank Battery - (TB)

**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	75
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	0
Oxygen (O2) percentage, if greater than one percent	0
<b>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</b>	
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.

**Date(s) and Time(s)**

Date venting or flaring was discovered or commenced	05/25/2021
Time venting or flaring was discovered or commenced	06:00 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	05/25/2021
Time venting or flaring was terminated	08:00 PM
Total duration of venting or flaring in hours, if venting or flaring has terminated	6
Longest duration of cumulative hours within any 24-hour period during this event	14

**Measured or Estimated Volume of Vented or Flared Natural Gas**

Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Normal Operations   Other (Specify)   Natural Gas Flared   Spilled: 340 Mcf   Recovered: 0 Mcf   Lost: 340 Mcf ]
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	340 MCF was flared during normal operations on the WTG facility
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	Not answered.
Date notified of downstream activity requiring this venting or flaring	Not answered.
Time notified of downstream activity requiring this venting or flaring	Not answered.

**Steps and Actions to Prevent Waste**

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For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control.	False
Please explain reason for why this event was beyond your operator's control	Not answered.
Steps taken to limit the duration and magnitude of venting or flaring	Communication problem with lease operator that we were limiting the amount of flaring. Has a previous BLM flare permit in place at this location.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Lease Operator was made aware and is limiting flaring

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CONDITIONS  
  
Action 31073

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 31073
	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.	6/9/2021