



## Certificate of Analysis

Number: 6030-21030313-001A

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: Gipple Fed Com 134H  
Station Number: 7060146  
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: James Hill  
Sample Of: Gas Spot  
Sample Date: 03/26/2021 11:00  
Sample Conditions: 1203 psig, @ 76.7 °F Ambient: 61 °F  
Effective Date: 03/26/2021 11:00  
Method: GPA-2261M  
Cylinder No: 5030-01666  
Instrument: 6030\_GC2 (Agilent GC-7890B)  
Last Inst. Cal.: 12/21/2020 15:27 PM  
Analyzed: 03/29/2021 15:18:33 by KNF

## Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.000	0.080	0.118		GPM TOTAL C2+	7.218
Nitrogen	1.374	1.407	1.705		GPM TOTAL C3+	3.856
Methane	70.611	72.308	50.190		GPM TOTAL iC5+	0.876
Carbon Dioxide	1.206	1.235	2.352			
Ethane	12.226	12.520	16.288	3.362		
Propane	6.885	7.050	13.451	1.950		
Iso-butane	0.885	0.906	2.278	0.298		
n-Butane	2.259	2.313	5.817	0.732		
Iso-pentane	0.540	0.553	1.726	0.203		
n-Pentane	0.524	0.537	1.676	0.195		
Hexanes Plus	1.065	1.091	4.399	0.478		
	97.575	100.000	100.000	7.218		

## Calculated Physical Properties

	Total	C6+
Relative Density Real Gas	0.8012	3.2176
Calculated Molecular Weight	23.11	93.19
Compressibility Factor	0.9956	

## GPA 2172 Calculation:

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

Real Gas Dry BTU	1343	5141
Water Sat. Gas Base BTU	1320	5052
Ideal, Gross HV - Dry at 14.73 psia	1337.4	5141.1
Ideal, Gross HV - Wet	1314.1	5051.6
Net BTU Wet Gas - real gas	1200	

Comments: H<sub>2</sub>S Field Content 800 ppm  
mcf/day 473.6

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	Sum(TOTAL F...
	5/26/2021
Gipple Fed Com Tank Battery	170.20
Grand total	170.20

(Column Names) » date

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

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 31078

**QUESTIONS**

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 31078
	Action Type: [C-129] Venting and/or Flaring (C-129)

**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	No
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	Gipple CTB
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	72
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	1
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	05/26/2021
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	05/26/2021
Time venting or flaring was terminated	12:00 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	2

**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: 170 Mcf   Recovered: 0 Mcf   Lost: 170 Mcf ]
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	170 MCF flared during normal operations at the Gipple CTB
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**

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	This amount was a random event. Not a typical big flaring location.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	N/A. Location not a strong candidate for excess flaring,

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CONDITIONS  
  
Action 31078

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 31078
	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