

Certificate of Analysis

Number: 6030-21060066-002A

Artesia Laboratory 200 E Main St. Artesia, NM 88210 Phone 575-746-3481

June 08, 2021 Alex Batista

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

Station Name: Mulva 114 Station Number: N/A

Sample Point: Flowback Trailer

Formation: Callout County: Lea

Type of Sample: Spot-Cylinder Heat Trace Used: N/A

Sampling Method: Fill and Purge

Sampling Company: SPL

Sampled By: Michael Mirabal Sample Of: Gas Spot Sample Date: 06/06/2021 08:10 Sample Conditions: 310 psia Ambient: 72 °F

Effective Date: 06/06/2021 08:10 GPA-2261M Method: Cylinder No: 1111-001281

Instrument: 70104124 (Inficon GC-MicroFusion)

Last Inst. Cal.: 05/18/2021 0:00 AM

Analyzed: 06/08/2021 06:15:46 by KNF

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia
Hydrogen Sulfide	NIL	1.10000	1.540	
Nitrogen	1.220	1.22109	1.405	
Carbon Dioxide	12.568	12.57903	22.745	
Methane	68.279	68.34012	45.046	
Ethane	8.763	8.77073	10.835	2.354
Propane	4.307	4.31055	7.809	1.192
Iso-Butane	0.650	0.65068	1.554	0.214
n-Butane	1.397	1.39865	3.340	0.443
Iso-Pentane	0.463	0.46361	1.374	0.170
n-Pentane	0.399	0.39946	1.184	0.145
Hexanes	0.326	0.32589	1.154	0.135
Heptanes	0.186	0.18587	0.765	0.086
Octanes	0.158	0.15854	0.744	0.082
Nonanes Plus	0.096	0.09578	0.505	0.054
	98.812	100.00000	100.000	4.875
Calculated Physical F	Properties	Total		C9+
Calculated Molecular V	•	24.34		128.26
Compressibility Factor		0.9960		
Relative Density Real		0.8434	ļ	4.4283
GPA 2172 Calculation	· 			
Calculated Gross BT	U per ft³ @ 14.73 ps	sia & 60°F		
Real Gas Dry BTU		1111.6		7012.5
Water Sat. Gas Base E		1092.6		6890.4
Ideal, Gross HV - Dry a	at 14.73 psia	1107.2		7012.5
Ideal, Gross HV - Wet		1087.8	3	6890.4
Comments: H2S Fiel	ld Content 1.1 %			

Co2 11%

Report generated by: Krystle Fitzwater

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

Flaring Summary

	Sum(TOTAL F
battery	5/25/2021
Mulva Man Hands CTB B	439.00
Grand total	439.00

(Column Names) » date

Data table:
flare_report_data (2)
Colors:
All values

hatte

Sum(TOTAL FLARE (HP + LP))

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

District II 811 S. First St., Artesia, NM 88210 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

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 31076

QUESTIONS

Operator:	OGRID:
TAP ROCK OPERATING, LLC	372043
523 Park Point Drive	Action Number:
Golden, CO 80401	31076
	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 addional 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.		
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			
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 occuring at a facility that does not have an Facility ID (f#) yet.	
Facility or Site Name	Mulva/Man Hands CTB B
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	68	
Nitrogen (N2) percentage, if greater than one percent	1	
Hydrogen Sulfide (H2S) PPM, rounded up	1	
Carbon Dioxide (C02) percentage, if greater than one percent	13	
Oxygen (02) 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 (02) 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	10:00 PM	
Total duration of venting or flaring in hours, if venting or flaring has terminated	16	
Longest duration of cumulative hours within any 24-hour period during this event	7	

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: 439 Mcf Recovered: 0 Mcf Lost: 439 Mcf]	
Other Released Details	Not answered.	
Additional details for Measured or Estimated Volume(s). Please specify	439 MCF flared during normal operations at the Mulva/Mad Hands CTB B. H2S present and flaring necessary.	
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.

For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control.	True
Please explain reason for why this event was beyond your operator's control	larger amounts of H2S
Steps taken to limit the duration and magnitude of venting or flaring	N/A
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	N/A

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CONDITIONS

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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