



## Certificate of Analysis

Number: 6030-21040018-004A

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

Apr. 05, 2021

Station Name: Black Marlin Fed Com 204H  
Station Number: 7060185  
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: 03/31/2021 10:33  
Sample Conditions: 120.3 psig, @ 91.5 °F Ambient: 53 °F  
Effective Date: 03/31/2021 10:33  
Method: GPA-2261M  
Cylinder No: 1111-005483  
Instrument: 70104251 (Inficon GC-MicroFusion)  
Last Inst. Cal.: 04/05/2021 0:00 AM  
Analyzed: 04/05/2021 09:06:15 by EJR

## Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.000	1.200	1.765		GPM TOTAL C2+	6.344
Nitrogen	1.121	1.110	1.342		GPM TOTAL C3+	3.557
Methane	73.981	73.257	50.719		GPM TOTAL iC5+	0.999
Carbon Dioxide	2.824	2.796	5.310			
Ethane	10.483	10.381	13.471	2.787		
Propane	5.679	5.624	10.703	1.556		
Iso-butane	1.003	0.993	2.491	0.326		
n-Butane	2.156	2.135	5.355	0.676		
Iso-pentane	0.733	0.726	2.261	0.267		
n-Pentane	0.631	0.625	1.946	0.227		
Hexanes Plus	1.164	1.153	4.637	0.505		
	99.775	100.000	100.000	6.344		

## Calculated Physical Properties

	Total	C6+
Relative Density Real Gas	0.8032	3.2176
Calculated Molecular Weight	23.17	93.19
Compressibility Factor	0.9957	

## GPA 2172 Calculation:

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

Real Gas Dry BTU	1296	5141
Water Sat. Gas Base BTU	1274	5052
Ideal, Gross HV - Dry at 14.73 psia	1290.9	5141.1
Ideal, Gross HV - Wet	1268.3	5051.6
Net BTU Wet Gas - real gas	1158	

Comments: H<sub>2</sub>S Field Content 1.2 %  
1907.6 Mcf/day

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
Black Marlin Federal Com Tank Battery	1,579.00
Grand total	1,579.00

(Column Names) » date

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

battery

Sum(TOTAL FLARE (HP + LP))

PRODUCTION REPORT

5/26/21 - 5/26/21

PRODUCTION

92.41

OIL SALES

30,100.50

GAS PRODUCTION

2,377.21

WATER PRODUCTION

1,730.20

WATER HAULED

GRASS BOE

0.00

DOWNTIME

HR

DATA SUBMISSION

GREENWICH

4 / 4

LEGACY

9 / 13

OLYMPIUS

29 / 29

OLYMPIUS LEGACY

48 / 49

PAISON

12 / 16

SEINFELD

40 / 41

SOUP SHOP

1 / 2

THREATS

24 / 25

ID	Route	Shop	API #	Oil	Alloc Oil	Gas	Alloc Gas	Water	Alloc Water	BOE	Oil Sales	LACT Yds	Gas Sales	Water Sales	Alloc Oil Sales %	Alloc Oil Sales	Alloc Gas Sales %	Alloc Gas Sales	Alloc Water %	Alloc Water	Fine Vol	Ing Vol	CP	Choke	TP	Prod Time	DT	Status	Note
5721	SEINFELD	Black Martin Federal Com #204H	3002546970000		1,057.27		1,672.95		1,052.88	1,338.09					62.47%	1,025.34	70.37%	563.45	60.85%	1,351.07		0.00	300	96	140				
5722	SEINFELD	Black Martin Federal Com #214H	30025469770000		635.15		704.26		677.32	732.92					37.53%	615.96	29.62%	249.77	38.15%	869.13		0.00	364	66	1,772				
					1,692.41		2,377		1,730.20	2,088.01			843.21	2,220.20		1,641.30		843.21		2,220.20		0.00							

**District I**

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

**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 31456

**QUESTIONS**

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043 Action Number: 31456 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, major 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 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	Not answered.
Facility Type	Not answered.

**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	73
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	1
Carbon Dioxide (CO2) percentage, if greater than one percent	3
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	No
Date venting or flaring was terminated	Not answered.
Time venting or flaring was terminated	Not answered.
Total duration of venting or flaring in hours, if venting or flaring has terminated	Not answered.
Longest duration of cumulative hours within any 24-hour period during this event	10

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

Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: High Line Pressure   Other (Specify)   Natural Gas Flared   Spilled: 1,111 Mcf   Recovered: 0 Mcf   Lost: 1,111 Mcf ]
Additional details for Measured or Estimated Volume(s). Please specify	The Black Marlin pipeline is understand and cannot take the amount of gas the produced. The Max Allowable Operating Pressure cannot take the gas production and there is abundance of H2S gas that was not expected.
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	Tap Rock Operating received flare volumes for this facility on 6/9/2021 and have reported this within 24 hrs of discovery. The well has been choked back as of 6/10 and Tap Rock is making strides to get equipment out there for a goal of 100% gas capture.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	The well has been choked back as of 6/10 and Tap Rock is making strides to get equipment out there for a goal of 100% gas capture.

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CONDITIONS  
  
Action 31456

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 31456
	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.	6/10/2021