



Certificate of Analysis

Number: 6030-22020380-001A

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

Feb. 28, 2022

Station Name: WTG FC 122H
Station Number: 7060451
Sample Point: Meter run
Formation: Spot
County: Eddy
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: 02/24/2022 09:30
Sample Conditions: 180.1 psig, @ 93.3 °F Ambient: 20 °F
Effective Date: 02/24/2022 09:30
Method: GPA-2261M
Cylinder No: 5030-00539
Instrument: 70142339 (Inficon GC-MicroFusion)
Last Inst. Cal.: 02/28/2022 0:00 AM
Analyzed: 02/28/2022 10:17:58 by ERG

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.000	0.00000	0.000		GPM TOTAL C2+	6.958
Nitrogen	1.148	1.14828	1.455		GPM TOTAL C3+	3.357
Methane	74.149	74.19978	53.827		GPM TOTAL iC5+	0.548
Carbon Dioxide	0.131	0.13109	0.261			
Ethane	13.406	13.41481	18.240	3.601		
Propane	6.840	6.84475	13.648	1.893		
Iso-butane	0.868	0.86839	2.282	0.285		
n-Butane	1.992	1.99345	5.239	0.631		
Iso-pentane	0.421	0.42099	1.373	0.155		
n-Pentane	0.471	0.47132	1.538	0.171		
Hexanes Plus	0.507	0.50714	2.137	0.222		
	99.933	100.00000	100.000	6.958		

Calculated Physical Properties

	Total	C6+
Relative Density Real Gas	0.7664	3.2176
Calculated Molecular Weight	22.11	93.19
Compressibility Factor	0.9960	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

Real Gas Dry BTU	1322	5141
Water Sat. Gas Base BTU	1300	5052
Ideal, Gross HV - Dry at 14.73 psia	1317.1	5141.1
Ideal, Gross HV - Wet	1294.2	5051.6

Comments: H2S Field Content 0 ppm
Mcf/day 2743

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	4/11/2022
	Sum(TOTAL F...
WTG Fed Com Battery	738.40
Grand total	738.40

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 98184

DEFINITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 98184
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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: • this application's operator, hereinafter "this operator"; • venting and/or flaring, hereinafter "vent or flare"; • any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms"; • the statements in (and/or attached to) this, hereinafter "the statements in this"; • and the past tense will be used in lieu of mixed past/present tense questions and statements.
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QUESTIONS

Action 98184

QUESTIONS

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	Action Number: 98184
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

QUESTIONS

Prerequisites	
<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 Operator	[372043] TAP ROCK OPERATING, LLC
Incident Type	Flare
Incident Status	Closure Not Approved
Incident Well	Not answered.
Incident Facility	[fAPP2126033145] WTG CTB
<i>Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.</i>	

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 this vent or flare caused by an emergency or malfunction	Yes
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a vent or flare event	Yes, major 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 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
Was the vent or flare within an incorporated municipal boundary or withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

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	74
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
<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 98184

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	04/11/2022
Time vent or flare was discovered or commenced	06:30 AM
Time vent or flare was terminated	06:00 PM
Cumulative hours during this event	8

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 Tank (Any) Natural Gas Flared Released: 738 Mcf Recovered: 0 Mcf Lost: 738 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 high flaring due to O2 getting into the system. This facility is seeing oxygen enter the system from some part of the facility. As this oxygen is being added to the system, the oxygen content no longer meets pipeline quality specifications and causes midstream problems. Tap Rock is troubleshooting the facility to find the location of oxygen entering the system with an OGI camera.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Tap Rock saw high flaring due to O2 getting into the system. This facility is seeing oxygen enter the system from some part of the facility. As this oxygen is being added to the system, the oxygen content no longer meets pipeline quality specifications and causes midstream problems. Tap Rock is troubleshooting the facility to find the location of oxygen entering the system with an OGI camera.

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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

☒	I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC.
☒	I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record.
☒	I hereby certify the statements in this amending 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.
☒	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.
☒	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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CONDITIONS

Created By	Condition	Condition Date
bramsey	If the information provided in this report requires further amendment(s), submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	4/13/2022