



## Certificate of Analysis

Number: 6030-23120137-004A

Artesia Laboratory

200 E Main St.

Artesia, NM 88210

Phone 575-746-3481

John Wierzowiecki  
Flatcreek Resources  
777 Main St Suite 3600  
Fort Worth, TX 76102

Dec. 27, 2023

Station Name: Phantom Bank 31 CDP

Station Number: 016054601

Station Location: Flat Creek

Sample Point: Meter Run

Instrument: 70104251 (Inficon GC-MicroFusion)

Last Inst. Cal.: 12/18/2023 0:00 AM

Analyzed: 12/21/2023 11:43:30 by EBH

Sampled By: Andres T

Sample Of: Gas Spot

Sample Date: 12/12/2023

Sample Conditions: 122 psig, @ 69.7 °F Ambient: 58 °F

Effective Date: 12/12/2023

Flow Rate: 1815.7 MSCFD

Method: GPA-2261M

Cylinder No: 5030-04986

## Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia		
Nitrogen	1.2827	1.2813	1.6609		GPM TOTAL C2+	5.957
Methane	77.3313	77.2443	57.3426		GPM TOTAL C3+	2.930
Carbon Dioxide	0.6770	0.6762	1.3771		GPM TOTAL iC5+	0.649
Ethane	11.3186	11.3059	15.7312	3.027		
Propane	5.2893	5.2834	10.7807	1.457		
Iso-butane	0.7858	0.7849	2.1110	0.257		
n-Butane	1.7969	1.7949	4.8275	0.567		
Iso-pentane	0.4174	0.4169	1.3919	0.153		
n-Pentane	0.4628	0.4623	1.5434	0.168		
Hexanes Plus	0.7507	0.7499	3.2337	0.328		
	100.1125	100.0000	100.0000	5.957		

## Calculated Physical Properties

Relative Density Real Gas

Total

0.7487

C6+

3.2176

Calculated Molecular Weight

21.61

93.19

Compressibility Factor

0.9962

## GPA 2172 Calculation:

Calculated Gross BTU per ft<sup>3</sup> @ 14.696 psia & 60°F

Real Gas Dry BTU

1276

5129

Water Sat. Gas Base BTU

1254

5040

Ideal, Gross HV - Dry at 14.696 psia

1270.9

5129.2

Ideal, Gross HV - Wet

1248.8

5039.7

Hydrocarbon Laboratory Manager

Quality Assurance:

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

Date	Stop Name	Meter Name	Flare Volume (mscf)	Flare Reason
1/14/24	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	74.00	Gas Spec - High Oxygen
1/15/24	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	260.00	Gas Spec - High Oxygen
1/16/24	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	799.00	Gas Spec - High Oxygen/Gas Sales Meter Frozen
Total:			1,133.00	

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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**Santa Fe, NM 87505**

DEFINITIONS

Action 304053

DEFINITIONS

Operator: Flat Creek Resources, LLC 777 Main St. Fort Worth, TX 76102	OGRID: 374034
	Action Number: 304053
	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: <ul style="list-style-type: none"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul>
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QUESTIONS  
  
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QUESTIONS

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QUESTIONS

<b>Prerequisites</b> Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.	
Incident ID (n#)	Unavailable.
Incident Name	Unavailable.
Incident Type	Flare
Incident Status	Unavailable.
Incident Facility	[fAPP2316446533] PHANTOM BANK 31 FED COM
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.	

<b>Determination of Reporting Requirements</b> 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.
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.	
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 within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

<b>Equipment Involved</b>	
Primary Equipment Involved	Pipeline (Any)
Additional details for Equipment Involved. Please specify	Gas meter and oxygen sensor.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b> Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	77
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
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	2
Hydrogen Sulfide (H2S) PPM quality requirement	4
Carbon Dioxide (CO2) percentage quality requirement	2
Oxygen (O2) percentage quality requirement	0



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QUESTIONS, Page 2  
  
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**QUESTIONS (continued)**

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**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/14/2024
Time vent or flare was discovered or commenced	01:30 AM
Time vent or flare was terminated	07:45 AM
Cumulative hours during this event	54

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Pipeline Quality Specifications   Producing Well   Natural Gas Flared   Released: 1,133 Mcf   Recovered: 0 Mcf   Lost: 1,133 Mcf.
Other Released Details	Cause: Equipment Failure   Producing Well   Natural Gas Flared   Released: 1,133 Mcf   Recovered: 0 Mcf   Lost: 1,133 Mcf.
Additional details for Measured or Estimated Volume(s). Please specify	Volumes calculated by total flow meter.
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	Yes
Was notification of downstream activity received by this operator	No
Downstream OGRID that should have notified this operator	[330842] DBM PIPELINE, LLC
Date notified of downstream activity requiring this vent or flare	01/14/2023
Time notified of downstream activity requiring this vent or flare	01:30 AM

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	True
Please explain reason for why this event was beyond this operator's control	In early morning hours of Jan 14, 2024 all wellsite compression went down and all wells stopped producing. When attempt to bring wells back online was made the meter shut in on high oxygen level. Purged wells and vessels to flare and attempted multiple times to produce into pipeline. Oxygen sensor continued to show high levels so more purge and cleanup to flare was performed. Ultimately the sensor was replaced by pipeline operator. Meter run also froze during cold weather and failed safe in closed condition. Multiple attempts to contact pipeline operator were not successful. As of today sensor is replaced on meter run, metering equipment is thawed and gas is flowing to sales at 0ppm oxygen content.
Steps taken to limit the duration and magnitude of vent or flare	Contact pipeline operator and request tech to inspect meter and sensor.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Replaced O2 sensor and thawed metering equipment.



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ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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
jwierzowiecki	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.	1/16/2024