



Certificate of Analysis

Number: 6030-21100232-002A

Artesia Laboratory

200 E Main St.
Artesia, NM 88210
Phone 575-746-3481John Wierzowiecki
Flatcreek Resources
777 Main St Suite 3600
Fort Worth, TX 76102

Oct. 22, 2021

Station Name: Phantom 21 Fed Com 502

Station Number: T213239227

Station Location: Flatcreek

Sample Point: Meter run

Instrument: 70104124 (Inficon GC-MicroFusion)

Last Inst. Cal.: 10/18/2021 0:00 AM

Analyzed: 10/22/2021 15:56:00 by EJL

Sampled By: Chad Whitt

Sample Of: Gas Spot

Sample Date: 10/12/2021

Sample Conditions: 155.5 psig, @ 122 °F Ambient: 77 °F

Effective Date: 10/12/2021

Method: GPA-2261M

Cylinder No: 5030-03294

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia
Hydrogen Sulfide	NIL	NIL	NIL	
Nitrogen	0.627	0.63979	0.794	
Carbon Dioxide	0.119	0.12106	0.236	
Methane	74.346	75.82656	53.897	
Ethane	11.583	11.81328	15.738	3.165
Propane	5.732	5.84657	11.423	1.614
Iso-Butane	0.916	0.93455	2.407	0.306
n-Butane	2.085	2.12663	5.477	0.672
Iso-Pentane	0.590	0.60155	1.923	0.220
n-Pentane	0.726	0.73995	2.365	0.269
Hexanes	0.648	0.66080	2.523	0.272
Heptanes	0.453	0.46202	2.051	0.214
Octanes	0.198	0.20154	1.020	0.103
Nonanes Plus	0.025	0.02570	0.146	0.014
	98.048	100.00000	100.000	6.849

Calculated Physical Properties

Calculated Molecular Weight 22.57 128.26

Compressibility Factor 0.9957

Relative Density Real Gas 0.7824 4.4283

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU 1352.6 6996.3

Water Sat. Gas Base BTU 1329.5 6874.3

Ideal, Gross HV - Dry at 14.696 psia 1346.8 6996.3

Ideal, Gross HV - Wet 1323.3 6874.3

Comments: H2S Field Content 0 ppm

CO2 0.25%

Mcf/day 4711.5

Data reviewed by: Krystle Fitzwater, Laboratory Manager

Quality Assurance:

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

Date	Route	Stop	Meter	Meter Type	Yesterday's Volume
6/16/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	Flare Meter	0
6/17/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	Flare Meter	0
6/18/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	Flare Meter	0
6/19/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	Flare Meter	784
6/20/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	Flare Meter	377
6/21/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	Flare Meter	0
6/22/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	Flare Meter	0

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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DEFINITIONS

Action 242563

DEFINITIONS

Operator: Flat Creek Resources, LLC 777 Main St. Fort Worth, TX 76102	OGRID: 374034
	Action Number: 242563
	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 242563

QUESTIONS

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QUESTIONS

Prerequisites 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 Operator	[374034] Flat Creek Resources, LLC
Incident Type	Flare
Incident Status	Closure Not Approved
Incident Well	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.	

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.
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

Equipment Involved	
Primary Equipment Involved	Well
Additional details for Equipment Involved. Please specify	On 6/18/2023 one of the wells had a workover finish up. The well was brought online late in the evening on 6/18/2023. If the O2 sensor on the sales meter run is working correctly this could've been a source for Oxygen in the gas stream. It's also plausible that the O2 sensor had a faulty reading as this has occurred in the past.

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
If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.	
Methane (CH4) percentage quality requirement	0
Nitrogen (N2) percentage quality requirement	2
Hydrogen Sulfide (H2S) PPM quality requirement	4
Carbon Dioxide (CO2) percentage quality requirement	5
Oxygen (O2) percentage quality requirement	10

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QUESTIONS, Page 2

Action 242563

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	06/18/2023
Time vent or flare was discovered or commenced	06:57 PM
Time vent or flare was terminated	12:01 PM
Cumulative hours during this event	17

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 Well Natural Gas Flared Released: 1,161 MCF Recovered: 0 MCF Lost: 1,161 MCF.
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Volume is measured via gas meter on the flare line.
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	True
Please explain reason for why this event was beyond this operator's control	Without having on-site supervision 24 hours a day we could not have prevented this incident.
Steps taken to limit the duration and magnitude of vent or flare	Upon discovery immediately contacted midstream provider to open sales meter and end flaring.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	We have added an alarm for any gas flow rate going to the flare meter with a call out for personnel responsible for daily operations at this site.

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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
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.	7/20/2023