



## Certificate of Analysis

Number: 6030-22060108-002A

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

June 14, 2022

Station Name: Phantom 31 701H

Station Number: T1200903958

Station Location: Flat Creek

Sample Point: Meter run

Instrument: 6030\_GC2 (Agilent GC-7890B)

Last Inst. Cal.: 05/17/2022 7:56 AM

Analyzed: 06/13/2022 15:26:07 by KNF

Sampled By: Michael Mirabal

Sample Of: Gas Spot

Sample Date: 06/11/2022 12:00

Sample Conditions: 125 psig, @ 121 °F Ambient: 95 °F

Effective Date: 06/11/2022 12:00

Method: GPA 2286

Cylinder No: 5030-00488

## Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia		
Nitrogen	0.785	0.79600	0.991		GPM TOTAL C2+	6.851
Methane	74.198	75.27000	53.639		GPM TOTAL C3+	3.588
Carbon Dioxide	0.232	0.23500	0.459		GPM TOTAL iC5+	0.913
Ethane	12.009	12.18200	16.271	3.263		
Propane	6.049	6.13600	12.019	1.693		
Iso-butane	0.895	0.90800	2.344	0.298		
n-Butane	2.134	2.16500	5.590	0.684		
Iso-pentane	0.501	0.50800	1.628	0.186		
n-Pentane	0.644	0.65300	2.093	0.237		
Hexanes Plus	1.131	1.14700	4.966	0.490		
	98.578	100.0000	100.000	6.851		

## Calculated Physical Properties

	<b>Total</b>	<b>C6+</b>
Relative Density Real Gas	0.7801	3.3517
Calculated Molecular Weight	22.51	97.07
Compressibility Factor	0.9958	

## GPA 2172 Calculation:

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

Real Gas Dry BTU	1343	5233
Water Sat. Gas Base BTU	1319	5142
Ideal, Gross HV - Dry at 14.696 psia	1336.9	5233.4
Ideal, Gross HV - Wet	1313.6	0.000

Comments: Mcf/day 1038

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.



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June 14, 2022

Station Name: Phantom 31 701H  
Station Number: T1200903958  
Station Location: Flat Creek  
Sample Point: Meter run  
Analyzed: 06/13/2022 15:25:09 by KNFSampled By: Michael Mirabal  
Sample Of: Gas Spot  
Sample Date: 06/11/2022 12:00  
Sample Conditions: 125 psig, @ 121 °F  
Method: GPA 2286  
Cylinder No: 5030-00488

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia
Hydrogen Sulfide	0.000	0.000	
Nitrogen	0.796	0.991	
Methane	75.270	53.639	
Carbon Dioxide	0.235	0.459	
Ethane	12.182	16.271	3.263
Propane	6.136	12.019	1.693
Iso-Butane	0.908	2.344	0.298
n-Butane	2.165	5.590	0.684
Iso-Pentane	0.508	1.628	0.186
n-Pentane	0.653	2.093	0.237
i-Hexanes	0.247	0.925	0.099
n-Hexane	0.190	0.723	0.078
Benzene	0.028	0.096	0.008
Cyclohexane	0.119	0.444	0.040
i-Heptanes	0.169	0.709	0.070
n-Heptane	0.067	0.297	0.031
Toluene	0.035	0.141	0.012
i-Octanes	0.155	0.729	0.069
n-Octane	0.018	0.092	0.009
Ethylbenzene	0.002	0.008	0.001
Xylenes	0.016	0.072	0.006
i-Nonanes	0.026	0.145	0.013
n-Nonane	0.007	0.038	0.004
Decanes Plus	0.068	0.547	0.050
	100.000	100.000	6.851



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June 14, 2022

Station Name: Phantom 31 701H  
Station Number: T1200903958  
Station Location: Flat Creek  
Sample Point: Meter run  
Analyzed: 06/13/2022 15:25:09 by KNFSampled By: Michael Mirabal  
Sample Of: Gas Spot  
Sample Date: 06/11/2022 12:00  
Sample Conditions: 125 psig, @ 121 °F  
Method: GPA 2286  
Cylinder No: 5030-00488

Calculated Physical Properties	Total	C10+
Calculated Molecular Weight	22.51	170.79
<b>GPA 2172 Calculation:</b>		
<b>Calculated Gross BTU per ft<sup>3</sup> @ 14.696 psia &amp; 60°F</b>		
Real Gas Dry BTU	1342.5	9299.8
Water Sat. Gas Base BTU	1319.1	9099.0
Relative Density Real Gas	0.7801	5.8968
Compressibility Factor	0.9958	
Ideal, Gross HV - Wet	1313.6	
Ideal, Gross HV - Dry at 14.696 psia	1336.9	
Net BTU Dry Gas - real gas	1220	
Net BTU Wet Gas - real gas	1199	

**Comments:** Mcf/day 1038

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	Yesterday's Volume
10/1/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	0
10/2/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	0
10/3/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	0
10/4/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	0
10/5/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	0
10/6/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	0
10/7/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	0
10/8/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	0
10/9/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	0
10/10/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	0
10/11/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	0
10/12/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	0
10/13/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	0
10/14/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	0
10/15/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	207
10/16/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	0
10/17/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	0
10/18/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	0
10/19/23	ROUTE 1	PHANTOM BANK BATTERY	PHANTOM BANK BATTERY HP Flare Gas Meter	0

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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**Santa Fe, NM 87505**

DEFINITIONS

Action 277314

DEFINITIONS

Operator: Flat Creek Resources, LLC 777 Main St. Fort Worth, TX 76102	OGRID: 374034
	Action Number: 277314
	Action Type: [C-129] Venting and/or Flaring (C-129)

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

Action 277314

**QUESTIONS**

Operator: Flat Creek Resources, LLC 777 Main St. Fort Worth, TX 76102	OGRID: 374034
	Action Number: 277314
	Action Type: [C-129] Venting and/or Flaring (C-129)

**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 Well	Unavailable.
Incident Facility	[fAPP2316449151] PHANTOM BANK 31 FED COM FLARE STACK

<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	No
Is this considered a submission for a vent or flare event	Yes, minor 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 <b>ANY</b> 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	Gas Compressor Station
Additional details for Equipment Involved. Please specify	Gas compressor station had unexpected downtime causing high line pressure.

<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	75
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	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 277314

**QUESTIONS (continued)**

Operator: Flat Creek Resources, LLC 777 Main St. Fort Worth, TX 76102	OGRID: 374034
	Action Number: 277314
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	10/14/2023
Time vent or flare was discovered or commenced	01:37 PM
Time vent or flare was terminated	06:10 PM
Cumulative hours during this event	4

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance   Gas Compressor Station   Natural Gas Flared   Released: 207 Mcf   Recovered: 0 Mcf   Lost: 207 Mcf.
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Metered flare volume with EFM.
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	[314437] DELAWARE BASIN MIDSTREAM, LLC
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	Unexpected downtime at midstream compressor station.
Steps taken to limit the duration and magnitude of vent or flare	Event was short duration and was over before operator could reach wellsite.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	NA





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ACKNOWLEDGMENTS  
  
Action 277314

**ACKNOWLEDGMENTS**

Operator: Flat Creek Resources, LLC 777 Main St. Fort Worth, TX 76102	OGRID: 374034
	Action Number: 277314
	Action Type: [C-129] Venting and/or Flaring (C-129)

**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a <b>complete</b> C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
<input checked="" type="checkbox"/>	I hereby certify the statements in this 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  
  
Action 277314

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Operator: Flat Creek Resources, LLC 777 Main St. Fort Worth, TX 76102	OGRID: 374034
	Action Number: 277314
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
jwierzowiecki	If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	10/19/2023