



## Certificate of Analysis

Number: 6030-25050248-001A

Artesia Laboratory

200 E Main St.

Artesia, NM 88210

Phone 575-746-3481

Steve Forister  
Riley Permian Operating Co  
Midland, TX

Field: Artesia-South  
Station Name: Baffin 11H  
Station Number: T244273576  
Station Location: Riley Permian  
Sample Point: Meter run  
Heating Method:  
Method: GPA-2261M  
Cylinder No: 1111-008275  
Instrument: 70104251 (Inficon GC-MicroFusion)  
Last Inst. Cal.: 05/12/2025 07:57:26  
Analyzed: 05/12/2025 09:05:41 by CDW

Report Date: 05/12/2025  
Sampled By: Eric Sanchez  
Sample Of: Gas  
Sample Type: Spot  
Sample Conditions: 72 psig, @ 80 °F Ambient: 73 °F  
Sample Date: 05/09/2025 02:00  
Received Date: 05/12/2025  
Login Date: 05/12/2025  
Effective Date: 05/01/2025  
Flow Rate:  
Sampling Method:

## Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.0000	1.8000	2.4583		GPM TOTAL C2+	7.883
Nitrogen	1.7200	1.6877	1.8945		GPM TOTAL C3+	4.266
Methane	65.6069	64.3751	41.3841		GPM TOTAL iC5+	0.791
Carbon Dioxide	4.8074	4.7171	8.3189			
Ethane	13.7219	13.4643	16.2236	3.617		
Propane	8.2764	8.1210	14.3499	2.248		
Iso-butane	1.1869	1.1646	2.7125	0.383		
n-Butane	2.7148	2.6638	6.2042	0.844		
Iso-pentane	0.6514	0.6392	1.8480	0.235		
n-Pentane	0.6037	0.5924	1.7127	0.216		
Hexanes Plus	0.7896	0.7748	2.8933	0.340		
	100.0790	100.0000	100.0000	7.883		

## Calculated Physical Properties

Relative Density Real Gas	Total	C6+
	0.8655	3.2176
Calculated Molecular Weight	24.95	93.19
Compressibility Factor	0.9952	

## GPA 2172 Calculation:

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

Real Gas Dry BTU	1327.5	5141.1
Water Sat. Gas Base BTU	1304.8	5051.6
Ideal, Gross HV - Dry at 14.73 psia	1321.2	5141.1
Ideal, Gross HV - Wet	1297.9	5051.6

**Comments:** Reran Sample Confirmed GC Analysis  
H<sub>2</sub>S Field Content: 1.8 %

Hydrocarbon Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.

408.04 mcf flared

Baffin

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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 509569

**DEFINITIONS**

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	OGRID: 372290
	Action Number: 509569
	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:

- 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 509569

**QUESTIONS**

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**QUESTIONS**

<b>Prerequisites</b> <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 Well	Unavailable.
Incident Facility	[fAPP2512737126] Baffin CTB

<b>Determination of Reporting Requirements</b> <i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
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.
<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 <b>at least 50 MCF</b> 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	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b> <i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	64
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	2
Carbon Dioxide (CO2) percentage, if greater than one percent	5
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

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**QUESTIONS (continued)**

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**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	09/25/2025
Time vent or flare was discovered or commenced	03:00 AM
Time vent or flare was terminated	06:00 AM
Cumulative hours during this event	3

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: High Line Pressure   Pipeline (Any)   Natural Gas Flared   Released: 408 Mcf   Recovered: 0 Mcf   Lost: 408 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	Yes
Was notification of downstream activity received by this operator	No
Downstream OGRID that should have notified this operator	[234374] DCP MIDSTREAM, L.P.
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	Midstream pipeline pressure level reached too high of a level and pipeline stopped accepting gas during the overnight hours and the well flared the gas
Steps taken to limit the duration and magnitude of vent or flare	Discuss early notification from DCP and well shut off controls
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Pipeline monitoring and production controls to notify operations



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ACKNOWLEDGMENTS

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**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

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CONDITIONS

Created By	Condition	Condition Date
debfiorda	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.	9/26/2025