



# Certificate of Analysis

Number: 6030-24100397-004A

**Artesia Laboratory**  
 200 E Main St.  
 Artesia, NM 88210  
 Phone 575-746-3481

Jose Rosales  
 Marlin Operating, LLC  
 1371 Brumlow Ave  
 Suite A  
 Southlake, TX 76092

Station Name: Pegasus CTB Scanner 2000	Report Date: 10/14/2024
Station Number: Peg CTB Scanner	Sampled By: Raul Salazar
Station Location: Marlin OP	Sample Of: Gas Spot
Sample Point: Meter Run	Sample Date: 10/10/2024 11:20
Method: GPA-2261M	Sample Conditions: 180.54 psig, @ 90.5 °F Ambient: 80 °F
Cylinder No: 1111-007267	Received Date: 10/11/2024
Instrument: 6030_GC6 (Inficon GC-3000 Micro)	Login Date: 10/11/2024
Last Inst. Cal.: 10/14/2024 08:20:42	Effective Date: 10/10/2024 11:20
Analyzed: 10/14/2024 12:08:29 by EBH	Flow Rate: 154 MSCFD

## Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0000	0.3000	0.4544		GPM TOTAL C2+ 4.232
Nitrogen	2.1616	2.1300	2.6518		GPM TOTAL C3+ 2.062
Methane	75.0734	73.9755	52.7416		GPM TOTAL iC5+ 0.459
Carbon Dioxide	8.9522	8.8213	17.2533		
Ethane	8.2067	8.0867	10.8065	2.170	
Propane	3.7371	3.6825	7.2166	1.018	
Iso-butane	0.5523	0.5442	1.4057	0.179	
n-Butane	1.3026	1.2836	3.3156	0.406	
Iso-pentane	0.4120	0.4060	1.3018	0.149	
n-Pentane	0.3659	0.3605	1.1559	0.131	
Hexanes Plus	0.4158	0.4097	1.6968	0.179	
	<u>101.1796</u>	<u>100.0000</u>	<u>100.0000</u>	<u>4.232</u>	

<b>Calculated Physical Properties</b>	<b>Total</b>	<b>C6+</b>
Relative Density Real Gas	0.7793	3.2176
Calculated Molecular Weight	22.50	93.19
Compressibility Factor	0.9965	

**GPA 2172 Calculation:**

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

Real Gas Dry BTU	1102.5	5141.1
Water Sat. Gas Base BTU	1083.7	5051.6
Ideal, Gross HV - Dry at 14.73 psia	1098.6	5141.1
Ideal, Gross HV - Wet	1079.5	5051.6

**Comments:** H2S Field Content: 3000 ppm

*Mostaq Ahamed*

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.

C-129

January 3, 2026 Measured Volume

Gas Flared
MCF
Flare Reported
156.2

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

DEFINITIONS

Action 539826

**DEFINITIONS**

Operator: Marlin Operating, LLC PO Box 93419 Southlake, TX 76092	OGRID: 331054
	Action Number: 539826
	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 539826

**QUESTIONS**

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	Action Number: 539826
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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	[fAPP2309032089] Pegasus 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	No
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	75
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	9
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	01/03/2026
Time vent or flare was discovered or commenced	12:30 AM
Time vent or flare was terminated	02:00 AM
Cumulative hours during this event	2

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   Well   Natural Gas Flared   Released: 156 Mcf   Recovered: 0 Mcf   Lost: 156 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	[331548] Targa Northern Delaware, 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	Midstream high line pressure
Steps taken to limit the duration and magnitude of vent or flare	Compression onsite
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Compressor onsite



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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
kathy short	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.	1/5/2026