



# Certificate of Analysis

Number: 5030-23080724-001A

**Midland Laboratory**  
 2200 East I-20  
 Midland, TX 79706  
 Phone 432-689-7252

Station Name: BONZO CDP (DCP SALES)  
 Station Number: 766023-00  
 Sample Point: METER RUN  
 Cylinder No: 5030-01024  
 Analyzed: 09/01/2023 11:09:38

Sep. 01, 2023  
 Sampled By: PATRICK  
 Sample Of: Gas Spot  
 Sample Date: 08/29/2023 10:00  
 Sample Conditions: 34.5 psig  
 Method: GPA-2261

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Nitrogen	2.657	3.046	GPM TOTAL C2+	8.073
Methane	67.240	44.143	GPM TOTAL C3+	4.449
Carbon Dioxide	2.294	4.132	GPM TOTAL iC5+	1.055
Ethane	13.489	16.599		
Propane	7.980	14.400		
Iso-butane	1.120	2.664		
n-Butane	2.584	6.146		
Iso-pentane	0.714	2.108		
n-Pentane	0.660	1.949		
Hexanes Plus	1.262	4.813		
	100.000	100.000		8.073

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8474	3.2176
Calculated Molecular Weight	24.44	93.19
Compressibility Factor	0.9953	
<b>GPA 2172 Calculation:</b>		
<b>Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia &amp; 60°F</b>		
Real Gas Dry BTU	1369	5141
Water Sat. Gas Base BTU	1346	5052

Data reviewed by: Marco Barrientos, Laboratory Supervisor

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



# Certificate of Analysis

Number: 5030-23080724-002A

**Midland Laboratory**  
 2200 East I-20  
 Midland, TX 79706  
 Phone 432-689-7252

Station Name: BONZO 19-24 2H	Sampled By: PATRICK	Sep. 01, 2023
Station Number: 3243016	Sample Of: Gas Spot	
Sample Point: METER RUN	Sample Date: 08/29/2023 09:30	
Cylinder No: 1111-006938	Sample Conditions: 67 psig	
Analyzed: 09/01/2023 11:10:20	Method: GPA-2261	

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia		
Nitrogen	3.087	3.641		GPM TOTAL C2+	7.561
Methane	69.389	46.875		GPM TOTAL C3+	4.135
Carbon Dioxide	1.443	2.674		GPM TOTAL iC5+	0.965
Ethane	12.756	16.151	3.426		
Propane	7.400	13.740	2.047		
Iso-butane	1.058	2.589	0.348		
n-Butane	2.449	5.994	0.775		
Iso-pentane	0.676	2.054	0.248		
n-Pentane	0.625	1.899	0.228		
Hexanes Plus	1.117	4.383	0.489		
	100.000	100.000	7.561		

<b>Calculated Physical Properties</b>	<b>Total</b>	<b>C6+</b>
Relative Density Real Gas	0.8233	3.2176
Calculated Molecular Weight	23.75	93.19
Compressibility Factor	0.9955	
<b>GPA 2172 Calculation:</b>		
<b>Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia &amp; 60°F</b>		
Real Gas Dry BTU	1346	5141
Water Sat. Gas Base BTU	1323	5052

Data reviewed by: Marco Barrientos, Laboratory Supervisor

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



# Certificate of Analysis

Number: 5030-23080724-003A

**Midland Laboratory**  
 2200 East I-20  
 Midland, TX 79706  
 Phone 432-689-7252

Station Name: BONZO 19-24 3H  
 Station Number: 3248015  
 Sample Point: METER RUN  
 Cylinder No: 5030-01187  
 Analyzed: 09/01/2023 11:09:38

Sep. 01, 2023  
 Sampled By: PATRICK  
 Sample Of: Gas Spot  
 Sample Date: 08/29/2023 09:20  
 Sample Conditions: 67 psig  
 Method: GPA-2261

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Nitrogen	3.265	3.772		GPM TOTAL C2+ 7.774
Methane	68.864	45.555		GPM TOTAL C3+ 4.476
Carbon Dioxide	1.417	2.572		GPM TOTAL iC5+ 1.245
Ethane	12.277	15.222	3.298	
Propane	7.395	13.446	2.046	
Iso-butane	1.106	2.651	0.364	
n-Butane	2.592	6.212	0.821	
Iso-pentane	0.756	2.249	0.278	
n-Pentane	0.720	2.142	0.262	
Hexanes Plus	1.608	6.179	0.705	
	100.000	100.000	7.774	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8410	3.2176
Calculated Molecular Weight	24.25	93.19
Compressibility Factor	0.9953	
<b>GPA 2172 Calculation:</b>		
<b>Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia &amp; 60°F</b>		
Real Gas Dry BTU	1371	5141
Water Sat. Gas Base BTU	1347	5052

Data reviewed by: Marco Barrientos, Laboratory Supervisor

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



# Certificate of Analysis

Number: 5030-23080724-004A

**Midland Laboratory**

2200 East I-20  
Midland, TX 79706  
Phone 432-689-7252

Station Name: BONZO 19-24 1H  
Station Number: 3243017  
Sample Point: METER RUN  
Cylinder No: 1111-005514  
Analyzed: 09/01/2023 11:10:20

Sep. 01, 2023  
Sampled By: PATRICK  
Sample Of: Gas Spot  
Sample Date: 08/02/2023 09:40  
Sample Conditions: 66 psig  
Method: GPA-2261

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia		
Nitrogen	1.708	1.849		GPM TOTAL C2+	9.072
Methane	61.913	38.382		GPM TOTAL C3+	4.990
Carbon Dioxide	4.965	8.444		GPM TOTAL iC5+	1.029
Ethane	15.188	17.648	4.082		
Propane	9.434	16.076	2.612		
Iso-butane	1.284	2.884	0.422		
n-Butane	2.926	6.572	0.927		
Iso-pentane	0.736	2.052	0.271		
n-Pentane	0.682	1.901	0.248		
Hexanes Plus	1.164	4.192	0.510		
	100.000	100.000	9.072		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8979	3.2176
Calculated Molecular Weight	25.88	93.19
Compressibility Factor	0.9947	
<b>GPA 2172 Calculation:</b>		
<b>Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia &amp; 60°F</b>		
Real Gas Dry BTU	1396	5141
Water Sat. Gas Base BTU	1372	5052

Data reviewed by: Marco Barrientos, Laboratory Supervisor

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

63%

Bonzo 3H
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4/21/2025 561

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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 454424

**DEFINITIONS**

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 454424
	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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**Santa Fe, NM 87505**

QUESTIONS

Action 454424

**QUESTIONS**

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 454424
	Action Type: [C-129] Venting and/or Flaring (C-129)

**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	[30-015-49776] BONZO STATE COM 1924 CDX #003H
Incident Facility	Unavailable.

<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	Yes
Is this considered a submission for a vent or flare event	Yes, major 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	Separator
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	44
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	4
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

Action 454424

**QUESTIONS (continued)**

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 454424
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	04/20/2025
Time vent or flare was discovered or commenced	08:00 AM
Time vent or flare was terminated	08:00 AM
Cumulative hours during this event	24

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   Separator   Natural Gas Flared   Released: 561 Mcf   Recovered: 0 Mcf   Lost: 561 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	Yes
Downstream OGRID that should have notified this operator	[36785] DCP OPERATING COMPANY, LP
Date notified of downstream activity requiring this vent or flare	04/10/2025
Time notified of downstream activity requiring this vent or flare	12:00 PM

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	Downstream Activity
Steps taken to limit the duration and magnitude of vent or flare	None
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	None





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ACKNOWLEDGMENTS

Action 454424

**ACKNOWLEDGMENTS**

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 454424
	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 454424

**CONDITIONS**

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 454424
	Action Type: [C-129] Venting and/or Flaring (C-129)

**CONDITIONS**

Created By	Condition	Condition Date
mmayo	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.	4/22/2025