



# Certificate of Analysis

Number: 6030-25120617-004A

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

Patrick Long  
 Sendero Midstream Partners, LP  
 1025 Bounds Road  
 Loving, NM 88256

Station Name:	Carlsbad Plant 1 Residue Gas	Report Date:	12/09/2025
Sampling Method:	Purge/Fill	Sampled By:	Kevan Granado
Heating Method:	N/A	Sample Of:	Gas
PO/Ref. No:	2167175001; CC 2167175001	Sample Type:	Spot
Method:	GPA 2286	Sample Conditions:	1180 psia, @ 107.1 °F Ambient: 59 °F
Cylinder No:	1111-011643	Sample Date:	12/05/2025 12:46
Instrument:	6030_GC2 (Agilent GC-7890B)	Received Date:	12/05/2025
Last Inst. Cal.:	12/08/2025 07:00:36	Login Date:	12/05/2025
Analyzed:	12/09/2025 09:41:16 by ATM	Effective Date:	12/01/2025
		Flow Rate:	85740.1 MSCFD

## Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.65 psia		
Hydrogen Sulfide	0.0000	0.0000	0.0000		GPM TOTAL C2+	1.894
Nitrogen	1.5580	1.6110	2.6010		GPM TOTAL C3+	0.056
Carbon Dioxide	0.3000	0.3100	0.7860		GPM TOTAL iC5+	0.001
Methane	87.9660	90.9770	84.1210			
Ethane	6.6690	6.8970	11.9530	1.838		
Propane	0.1870	0.1930	0.4910	0.053		
Iso-butane	0.0040	0.0040	0.0130	0.001		
n-Butane	0.0020	0.0020	0.0070	0.001		
Iso-pentane	0.0010	0.0010	0.0040	0.000		
n-Pentane	0.0030	0.0030	0.0120	0.001		
Hexanes Plus	0.0020	0.0020	0.0120	0.000		
	<u>96.6920</u>	<u>100.0000</u>	<u>100.0000</u>	<u>1.894</u>		

<b>Calculated Physical Properties</b>	<b>Total</b>	<b>C6+</b>
Relative Density Real Gas	0.6002	3.6871
Calculated Molecular Weight	17.350	106.789
Compressibility Factor	0.9977	

**GPA 2172 Calculation:**

**Calculated Gross BTU per ft³ @ 14.65 psia & 60°F**

Real Gas Dry BTU	1045	5679
Water Sat. Gas Base BTU	1027	5580
As Delivered BTU	0	5679

**Comments:** Reran Sample Confirmed GC Analysis  
 H2S Field Content: 0 ppm

*Mostaq Ahamed*

Petroleum Chemist

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.



**Certificate of Analysis**  
 Number: 6030-25120617-004A

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

Patrick Long  
 Sendero Midstream Partners, LP  
 1025 Bounds Road  
 Loving, NM 88256

Station Name: Carlsbad Plant 1 Residue Gas  
 PO/Ref. No: 2167175001; CC 2167175001  
 Method: GPA 2286  
 Cylinder No: 1111-011643  
 Instrument 1: 6030\_GC1, HP7890 Signal 2  
 Instrument 2: 6030\_GC2, HP7890 Signal 1  
 Analyzed: 12/09/2025 07:18:39 by EBH

Report Date: 12/09/2025  
 Sampled By: Kevan Granado  
 Sample Of: Gas Spot  
 Sample Conditions: 1180 psia, @ 107.1 °F  
 Sample Date: 12/05/2025 12:46  
 Received Date: 12/05/2025  
 Login Date: 12/05/2025  
 Flow Rate: 85740.1 MSCFD

**Analytical Data**

Components	Mol. %	Wt. %	GPM at 14.65 psia
Hydrogen Sulfide	0.000	0.000	
Nitrogen	1.611	2.601	
Methane	90.977	84.121	
Carbon Dioxide	0.310	0.786	
Ethane	6.897	11.953	1.838
Propane	0.193	0.491	0.053
Iso-Butane	0.004	0.013	0.001
n-Butane	0.002	0.007	0.001
Iso-Pentane	0.001	0.004	0.000
n-Pentane	0.003	0.012	0.001
i-Hexanes	0.000	0.000	0.000
n-Hexane	0.000	0.001	0.000
Benzene	0.000	0.000	0.000
Cyclohexane	0.000	0.001	0.000
i-Heptanes	0.000	0.004	0.000
n-Heptane	0.000	0.001	0.000
Toluene	0.000	0.000	0.000
i-Octanes	0.002	0.004	0.000
n-Octane	0.000	0.001	0.000
Ethylbenzene	0.000	0.000	0.000
Xylenes	0.000	0.000	0.000
i-Nonanes	0.000	0.000	0.000
n-Nonane	0.000	0.000	0.000
Decane Plus	0.000	0.000	0.000
	<u>100.000</u>	<u>100.000</u>	<u>1.894</u>



Certificate of Analysis  
Number: 6030-25120617-004A

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

Patrick Long  
Sendero Midstream Partners, LP  
1025 Bounds Road  
Loving, NM 88256

Station Name: Carlsbad Plant 1 Residue Gas  
PO/Ref. No: 2167175001; CC 2167175001  
Method: GPA 2286  
Cylinder No: 1111-011643  
Instrument 1: 6030\_GC1, HP7890 Signal 2  
Instrument 2: 6030\_GC2, HP7890 Signal 1  
Analyzed: 12/09/2025 07:18:39 by EBH

Report Date: 12/09/2025  
Sampled By: Kevan Granado  
Sample Of: Gas Spot  
Sample Conditions: 1180 psia, @ 107.1 °F  
Sample Date: 12/05/2025 12:46  
Received Date: 12/05/2025  
Login Date: 12/05/2025  
Flow Rate: 85740.1 MSCFD

---

Calculated Physical Properties	Total
Calculated Molecular Weight	17.35
<b>GPA 2172 Calculation:</b>	
<b>Calculated Gross BTU per ft<sup>3</sup> @ 14.65 psia &amp; 60°F</b>	
Real Gas Dry BTU	1045.3
Water Sat. Gas Base BTU	1027.0
Relative Density Real Gas	0.6002
Compressibility Factor	0.9977
<b>Comments:</b> Reran Sample Confirmed GC Analysis H2S Field Content: 0 ppm	

*Mostaq Ahamed*

Petroleum Chemist

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.

**Gas Release Calc. (Leak, Relief Vlv, etc.)**

Hole or Rip/Gouge?:		Specific Gravity:	
Length (in inches):		Pipeline Diameter:	
Width (in inches):		Equivalent Diameter:	
Diameter (in inches):		Release Rate (MCF/Hour):	
Pressure (psig):			
Temperature (Deg F):		<b>Gas Release (Mcf):</b>	<b>0.0</b>

**Pipeline Blow Down**

Blowdown Timeline:	Date (m/dd/yy):	Time (hr:mm)	Duration (in min):	
	4/22/2026	3:35	10.00	
Blowdown Location:	Latitude:	Longitude:	Location Detail:	
	32.26183398	-104.128121	<b>Outside a Fenced Facility</b>	
Blowdown Location Desc:				
Notes	Inside Diameter	Miles	Feet	Volume (Cu Ft)
1	Length		1,900	
2				
3				
Equivalent Diameter:	16.0000	Total Length:	1,900	
Start Pressure (psig):	1280.0	End Pressure (psig):	630.0	
Start Temperature (Deg F):	56.0	End Temperature (Deg F):	56.0	
Specific Gravity:	0.750	End Volume (MCF):	117.01	
Start Volume (MCF):	235.0			
Was Gas Flared?	No	<b>Total Blowdown (Mcf):</b>	<b>118.0</b>	

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 578959

**DEFINITIONS**

Operator: Crestwood New Mexico Pipeline LLC 1025 Bounds Rd Loving, NM 88256	OGRID: 330564
	Action Number: 578959
	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.

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**

QUESTIONS

Action 578959

**QUESTIONS**

Operator: Crestwood New Mexico Pipeline LLC 1025 Bounds Rd Loving, NM 88256	OGRID: 330564
	Action Number: 578959
	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	Unavailable.
Incident Facility	[fAPP2123159624] Crestwood New Mexico Pipeline

<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	88
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	0
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.

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**

QUESTIONS, Page 2

Action 578959

**QUESTIONS (continued)**

Operator: Crestwood New Mexico Pipeline LLC 1025 Bounds Rd Loving, NM 88256	OGRID: 330564
	Action Number: 578959
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	04/22/2026
Time vent or flare was discovered or commenced	03:35 AM
Time vent or flare was terminated	03:45 AM
Cumulative hours during this event	1

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Corrosion   Pipeline (Any)   Natural Gas Vented   Released: 118 Mcf   Recovered: 0 Mcf   Lost: 118 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
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	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	The pipeline had to be blown down to due needed repairs. Corrosion is a common occurrence in the industry but cannot be predicted.
Steps taken to limit the duration and magnitude of vent or flare	Pipeline was shut-in and blowdown as efficient and effective as possible to limit the duration and magnitude of the vent and to ensure public and worker safety.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Pipeline was repaired before putting back into service.



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**

ACKNOWLEDGMENTS

Action 578959

**ACKNOWLEDGMENTS**

Operator: Crestwood New Mexico Pipeline LLC 1025 Bounds Rd Loving, NM 88256	OGRID: 330564
	Action Number: 578959
	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.

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**

CONDITIONS

Action 578959

**CONDITIONS**

Operator: Crestwood New Mexico Pipeline LLC 1025 Bounds Rd Loving, NM 88256	OGRID: 330564
	Action Number: 578959
	Action Type: [C-129] Venting and/or Flaring (C-129)

**CONDITIONS**

Created By	Condition	Condition Date
heatherpatterson	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.	4/24/2026