



## Certificate of Analysis

Number: 6030-24040593-002A

Artesia Laboratory

200 E Main St.

Artesia, NM 88210

Phone 575-746-3481

Harvey Stockman  
 Sendero Midstream Partners, LP  
 1025 Bounds Road  
 Loving, NM 88256

Apr. 23, 2024

Station Name: Pecos CS Inlet  
 Station Number: sd1-0000  
 Station Location:  
 Sample Point: suction  
 Formation:  
 County:  
 Last Inst. Cal.: 04/23/2024 7:18 AM  
 Analyzed: 04/23/2024 09:10:36 by EBH

Sampled By: Jakob Lujan  
 Sample Of: Gas Spot  
 Sample Date: 04/22/2024 10:11  
 Sample Conditions: 74 psig, @ 76 °F Ambient: 73 °F  
 Effective Date: 04/22/2024 10:11  
 Flow Rate: 29 SCFD  
 Method: GPA 2286  
 Cylinder No: 5030-00949  
 Instrument: 6030\_GC2 (Agilent GC-7890B)

## Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.65 psia	
Hydrogen Sulfide	0.0000	0.0000	0.0000		GPM TOTAL C2+ 6.171
Nitrogen	1.5280	1.5370	1.9590		GPM TOTAL C3+ 3.084
Carbon Dioxide	0.9800	0.9850	1.9720		GPM TOTAL iC5+ 0.660
Methane	75.3680	75.7900	55.3130		
Ethane	11.5030	11.5670	15.8230	3.087	
Propane	5.7370	5.7690	11.5730	1.586	
Iso-butane	0.7730	0.7770	2.0550	0.254	
n-Butane	1.8470	1.8570	4.9100	0.584	
Iso-pentane	0.4350	0.4370	1.4340	0.159	
n-Pentane	0.4780	0.4810	1.5790	0.174	
Hexanes Plus	0.7960	0.8000	3.3820	0.327	
	99.4450	100.0000	100.0000	6.171	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7615	3.1967
Calculated Molecular Weight	21.980	92.585
Compressibility Factor	0.9962	
<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	1279	4975
Water Sat. Gas Base BTU	1256	4888
As Delivered BTU	0	4975

Hydrocarbon 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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 Station Location:  
 Sample Point: suction  
 Formation:  
 County:

Sampled By: Jakob Lujan  
 Sample Of: Gas Spot  
 Sample Date: 04/22/2024 10:11  
 Sample Conditions: 74 psig, @ 76 °F  
 Method: GPA 2286  
 Cylinder No: 5030-00949  
 Analyzed: 04/23/2024 09:07:03 by EBH

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia
Hydrogen Sulfide	0.000	0.000	
Nitrogen	1.537	1.959	
Methane	75.790	55.313	
Carbon Dioxide	0.985	1.972	
Ethane	11.567	15.823	3.087
Propane	5.769	11.573	1.586
Iso-Butane	0.777	2.055	0.254
n-Butane	1.857	4.910	0.584
Iso-Pentane	0.437	1.434	0.159
n-Pentane	0.481	1.579	0.174
i-Hexanes	0.192	0.740	0.077
n-Hexane	0.130	0.495	0.052
Benzene	0.023	0.083	0.006
Cyclohexane	0.072	0.277	0.025
i-Heptanes	0.153	0.651	0.063
n-Heptane	0.044	0.199	0.020
Toluene	0.020	0.085	0.007
i-Octanes	0.116	0.564	0.052
n-Octane	0.010	0.054	0.005
Ethylbenzene	0.001	0.003	0.000
Xylenes	0.009	0.042	0.003
i-Nonanes	0.021	0.116	0.011
n-Nonane	0.004	0.024	0.003
Decanes Plus	0.005	0.049	0.003
	100.000	100.000	6.171



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Apr. 23, 2024

Station Name:	Pecos CS Inlet	Sampled By:	Jakob Lujan
Station Number:	sd1-0000	Sample Of:	Gas Spot
Station Location:		Sample Date:	04/22/2024 10:11
Sample Point:	suction	Sample Conditions:	74 psig, @ 76 °F
Formation:		Method:	GPA 2286
County:		Cylinder No:	5030-00949
		Analyzed:	04/23/2024 09:07:03 by EBH

Calculated Physical Properties	Total	C10+
Calculated Molecular Weight	21.98	150.29
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	1278.8	8060.7
Water Sat. Gas Base BTU	1256.4	7889.2
Relative Density Real Gas	0.7615	5.1891
Compressibility Factor	0.9962	
Ideal, Gross HV - Wet	1251.6	
Ideal, Gross HV - Dry at 14.65 psia	1273.9	
Net BTU Dry Gas - real gas	1161	
Net BTU Wet Gas - real gas	1141	

Hydrocarbon Laboratory Manager

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

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

Hole or Rip/Gouge?:	Hole	Specific Gravity:	0.750
Length (in inches):		Pipeline Diameter:	24.000
Width (in inches):		Equivalent Diameter:	0.960
Diameter (in inches):	0.960	Release Rate (MCF/Hour):	818.6
Pressure (psig):	1,084.0		
Temperature (Deg F):	100.0	<b>Gas Release (Mcf):</b>	95.5

**Pipeline Blow Down**

Blowdown Timeline:		Date (m/dd/yy)	Time (hr:mm)	Duration (in min):
Blowdown Location:		Latitude:	Longitude:	Location Detail:
Blowdown Location Desc:		Outside a Fenced Facility		
Notes	Inside Diameter	Miles	Feet	Volume (Cu Ft)
1				
2				
3				
Equivalent Diameter:		Total Length:	0	0.00
Start Pressure (psig):		End Pressure (psig):		
Start Temperature (Deg F):		End Temperature (Deg F):		
Specific Gravity:	0.750	End Volume (MCF):	0.00	
Start Volume (MCF):	0.0			
Was Gas Flared?	No	Total Blowdown (Mcf):	0.0	

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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 422490

DEFINITIONS

Operator:  Crestwood New Mexico Pipeline LLC 1706 South Midkiff Midland, TX 79701	OGRID:  330564
	Action Number:  422490
	Action Type:  [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

<p>For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:</p> <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 422490

**QUESTIONS**

Operator: Crestwood New Mexico Pipeline LLC 1706 South Midkiff Midland, TX 79701	OGRID: 330564
	Action Number: 422490
	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	Treating Tower
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	1
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 422490

**QUESTIONS (continued)**

Operator: Crestwood New Mexico Pipeline LLC 1706 South Midkiff Midland, TX 79701	OGRID: 330564
	Action Number: 422490
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/19/2025
Time vent or flare was discovered or commenced	01:56 PM
Time vent or flare was terminated	02:03 PM
Cumulative hours during this event	1

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure   Treating Tower   Natural Gas Vented   Released: 96 Mcf   Recovered: 0 Mcf   Lost: 96 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	Equipment failure at the filter housing on the Dehy unit
Steps taken to limit the duration and magnitude of vent or flare	Equipment was shut-in 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	Equipment was repaired before putting back into service.





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ACKNOWLEDGMENTS

Action 422490

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Operator: Crestwood New Mexico Pipeline LLC 1706 South Midkiff Midland, TX 79701	OGRID: 330564
	Action Number: 422490
	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 422490

CONDITIONS

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	Action Number: 422490
	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.	1/20/2025