



Certificate of Analysis  
 Number: 2500-25100009-011A

Greeley Laboratory  
 2881 S. 31st Ave  
 Unit 6-8  
 Greeley, CO 80631

Tony Walton  
 Civitas Resources  
 4301 Industrial Parkway  
 Evans, CO 80620

Station Name: NPF A-E-22 HC GPM  
 Station Number: 68003987  
 Station Location: NPF K-22 Pad  
 Sample Point: Meter Tube Run  
 Cylinder No: 1922  
 Instrument: Agilent 990, 1  
 Analyzed: 10/07/2025 10:40:53 by ACR

Report Date: 10/07/2025  
 Sampled By: Russ Fox  
 Sample Of: Gas Spot  
 Sample Conditions: 135.83 psia, @ 77.35 °F  
 Sample Date: 09/17/2025 12:58  
 Received Date: 09/26/2025  
 Login Date: 10/01/2025  
 Method: GPA-2261M

**Analytical Data**

Components	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+	7.218
Nitrogen	0.4160	0.510		GPM TOTAL C3+	3.391
Carbon Dioxide	2.4129	4.645		GPM TOTAL iC5+	0.683
Methane	71.7751	50.371			
Ethane	14.2530	18.748	3.827		
Propane	7.2615	14.007	2.009		
Iso-butane	0.6559	1.668	0.215		
n-Butane	1.5294	3.889	0.484		
Iso-pentane	0.3284	1.037	0.121		
n-Pentane	0.4901	1.547	0.178		
Hexanes Plus	0.8776	3.578	0.384		
	100.0000	100.000	7.218		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7923	3.2176
Calculated Molecular Weight	22.86	93.19
Compressibility Factor	0.9958	
<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	1318	5141
Water Sat. Gas Base BTU	1295	5052

Comments: H2S Field Content: 1.00 ppm

Data reviewed by: Matthew Loveley, 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.