



# Certificate of Analysis

Number: 2500-22010048-003A

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

Tony Walton  
Civitas Resources  
4301 Industrial Parkway  
Evans, CO 80620

Jan. 11, 2022

Station Name: Helton 1724B GPM  
Station Number: 68012657  
Station Location: Helton 5-63-27 Pad  
Sample Point: Meter Tube Run  
Analyzed: 01/11/2022 09:43:33 by RGA

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 01/04/2022 12:42  
Sample Conditions: 140.48 psig, @ 81.44 °F  
Method: GPA-2261M  
Cylinder No: 2500-00427

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.3568	0.414		GPM TOTAL C3+
Carbon Dioxide	1.9806	3.613		GPM TOTAL iC5+
Methane	67.0140	44.567		
Ethane	16.1911	20.182	4.350	
Propane	8.9829	16.420	2.486	
Iso-butane	0.9931	2.393	0.326	
n-Butane	2.6931	6.489	0.853	
Iso-pentane	0.4997	1.495	0.184	
n-Pentane	0.6321	1.891	0.230	
Hexanes Plus	0.6565	2.536	0.288	
	100.0000	100.000	8.717	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8366	3.2176
Calculated Molecular Weight	24.12	93.19
Compressibility Factor	0.9952	
<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	1399	5141
Water Sat. Gas Base BTU	1375	5052
<b>Comments:</b> H2S Field Content 0.50 ppm		

Data reviewed by: Carson Souther, Laboratory Analyst

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