



Certificate of Analysis  
 Number: 2500-22040136-005A

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

Tony Walton  
 Civitas Resources  
 4301 Industrial Parkway  
 Evans, CO 80620

Apr. 21, 2022

Station Name: SA A11-U41-2HNC GPM  
 Station Number: 68011357  
 Station Location: SA 14-2 Pad  
 Sample Point: Meter Tube Run  
 Analyzed: 04/21/2022 12:28:01 by SO

Sampled By: Paul Renslow  
 Sample Of: Gas Spot  
 Sample Date: 04/18/2022 10:45  
 Sample Conditions: 92.35 psig, @ 53.06 °F  
 Method: GPA-2261M  
 Cylinder No: 47

**Analytical Data**

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL	GPM TOTAL C2+ 6.658	
Nitrogen	0.6735	0.842	GPM TOTAL C3+ 3.311	
Carbon Dioxide	2.3730	4.659	GPM TOTAL iC5+ 0.439	
Methane	73.3791	52.513		
Ethane	12.4679	16.724	3.347	
Propane	7.3635	14.484	2.036	
Iso-butane	0.6711	1.740	0.220	
n-Butane	1.9477	5.050	0.616	
Iso-pentane	0.3219	1.036	0.118	
n-Pentane	0.4071	1.310	0.148	
Hexanes Plus	0.3951	1.642	0.173	
	100.0000	100.000	6.658	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7768	3.2176
Calculated Molecular Weight	22.42	93.19
Compressibility Factor	0.9960	

**GPA 2172 Calculation:**  
**Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia & 60°F**

Real Gas Dry BTU	1290	5141
Water Sat. Gas Base BTU	1268	5052

**Comments:** H2S Field Content 0.5 ppm

*Ryleigh Jacobs*

Data reviewed by: Ryleigh Jacobs, Laboratory Analyst

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