



# Certificate of Analysis

Number: 2500-23080215-010A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton  
Civitas Resources  
4301 Industrial Parkway  
Evans, CO 80620

Sep. 01, 2023

Station Name: SSH 34-5-32XRLN GPM  
Station Number: 68017946  
Station Location: SH J-5 Pad  
Sample Point: Meter Tube Run  
Analyzed: 09/01/2023 09:03:22 by SO

Sampled By: Paul Renslow  
Sample Of: Gas Spot  
Sample Date: 08/23/2023 11:00  
Sample Conditions: 253.62 psig, @ 123.09 °F  
Method: GPA-2261M  
Cylinder No: 174

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0003	NIL		GPM TOTAL C2+ 7.224
Nitrogen	0.7628	0.923		GPM TOTAL C3+ 3.838
Carbon Dioxide	2.0398	3.879		GPM TOTAL iC5+ 0.742
Methane	72.0294	49.930		
Ethane	12.6084	16.382	3.386	
Propane	7.6307	14.539	2.111	
Iso-butane	0.7599	1.908	0.250	
n-Butane	2.3218	5.831	0.735	
Iso-pentane	0.4005	1.249	0.147	
n-Pentane	0.5118	1.596	0.186	
Hexanes Plus	0.9346	3.763	0.409	
	100.0000	100.000	7.224	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8023	3.2176
Calculated Molecular Weight	23.14	93.19
Compressibility Factor	0.9956	

### GPA 2172 Calculation:

#### Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia & 60°F

Real Gas Dry BTU	1336	5141
Water Sat. Gas Base BTU	1314	5052

Comments: H2S Field Content 3.0 ppm

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.