



Certificate of Analysis

Number: 2500-23080215-008A

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 J14-F11-5HNC GPM
Station Number: 68017948
Station Location: SH J-5 Pad
Sample Point: Meter Tube Run
Analyzed: 09/01/2023 09:24:48 by SO

Sampled By: Paul Renslow
Sample Of: Gas Spot
Sample Date: 08/23/2023 09:00
Sample Conditions: 228.42 psig, @ 104.33 °F
Method: GPA-2261M
Cylinder No: 106

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 7.125
Nitrogen	0.7215	0.876		GPM TOTAL C3+ 3.747
Carbon Dioxide	2.0842	3.977		GPM TOTAL iC5+ 0.762
Methane	72.3991	50.364		
Ethane	12.5785	16.401	3.378	
Propane	7.3344	14.024	2.029	
Iso-butane	0.7455	1.879	0.245	
n-Butane	2.2451	5.658	0.711	
Iso-pentane	0.3930	1.230	0.144	
n-Pentane	0.5092	1.593	0.185	
Hexanes Plus	0.9893	3.998	0.433	
	100.0000	100.000	7.125	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7994	3.2176
Calculated Molecular Weight	23.06	93.19
Compressibility Factor	0.9957	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

Real Gas Dry BTU	1332	5141
Water Sat. Gas Base BTU	1309	5052

Comments: H2S Field Content 2.0 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.