



Certificate of Analysis
 Number: 2500-23080215-007A

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 21-8-17XRLN GPM
 Station Number: 68017949
 Station Location: SH J-5 Pad
 Sample Point: Meter Tube Run
 Analyzed: 09/01/2023 08:28:54 by SO

Sampled By: Paul Renslow
 Sample Of: Gas Spot
 Sample Date: 08/21/2023 14:00
 Sample Conditions: 242.86 psig, @ 126.02 °F
 Method: GPA-2261M
 Cylinder No: 186

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL	GPM TOTAL C2+ 7.290	
Nitrogen	0.7542	0.904	GPM TOTAL C3+ 4.022	
Carbon Dioxide	2.0296	3.820	GPM TOTAL iC5+ 0.902	
Methane	72.0357	49.422		
Ethane	12.1672	15.647	3.268	
Propane	7.5751	14.285	2.096	
Iso-butane	0.7799	1.939	0.256	
n-Butane	2.4263	6.031	0.768	
Iso-pentane	0.4529	1.397	0.166	
n-Pentane	0.5949	1.836	0.217	
Hexanes Plus	1.1840	4.719	0.519	
	100.0000	100.000	7.290	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8107	3.2176
Calculated Molecular Weight	23.38	93.19
Compressibility Factor	0.9955	

GPA 2172 Calculation:
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

Real Gas Dry BTU	1350	5141
Water Sat. Gas Base BTU	1327	5052

Comments: H2S Field Content 2.0 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.