



Certificate of Analysis

Number: 2500-23080215-004A

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 A11-8-17XRLN GPM
Station Number: 68017952
Station Location: SH J-5 Pad
Sample Point: Meter Tube Run
Analyzed: 09/01/2023 06:04:06 by SO

Sampled By: Paul Renslow
Sample Of: Gas Spot
Sample Date: 08/21/2023 10:00
Sample Conditions: 249.34 psig, @ 127.57 °F
Method: GPA-2261M
Cylinder No: 146

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 7.273
Nitrogen	0.7779	0.939		GPM TOTAL C3+ 3.922
Carbon Dioxide	1.9991	3.792		GPM TOTAL iC5+ 0.729
Methane	71.8730	49.702		
Ethane	12.4800	16.176	3.351	
Propane	7.8492	14.919	2.171	
Iso-butane	0.7888	1.976	0.259	
n-Butane	2.4107	6.040	0.763	
Iso-pentane	0.4188	1.302	0.154	
n-Pentane	0.5286	1.644	0.192	
Hexanes Plus	0.8738	3.510	0.383	
	100.0000	100.000	7.273	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8042	3.2176
Calculated Molecular Weight	23.20	93.19
Compressibility Factor	0.9956	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1340	5141
Water Sat. Gas Base BTU	1318	5052
Comments: H2S Field Content 1.0 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.