



Certificate of Analysis
 Number: 2500-23100241-001A

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

Tony Walton
 Civitas Resources
 4301 Industrial Parkway
 Evans, CO 80620

Nov. 01, 2023

Station Name: SA 41-11-3HN GPM
 Station Number: 68018242
 Station Location: SA B2
 Sample Point: Meter Tube Run
 Analyzed: 11/01/2023 09:27:52 by SO

Sampled By: Micah Hershberger
 Sample Of: Gas Spot
 Sample Date: 10/06/2023 16:13
 Sample Conditions: 200 psig, @ 121 °F
 Method: GPA-2261M
 Cylinder No: 1860

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL	GPM TOTAL C2+ 7.517	
Nitrogen	0.6915	0.809	GPM TOTAL C3+ 4.331	
Carbon Dioxide	2.3767	4.369	GPM TOTAL iC5+ 1.173	
Methane	71.2941	47.777		
Ethane	11.8591	14.895	3.186	
Propane	7.4924	13.801	2.073	
Iso-butane	0.8139	1.976	0.268	
n-Butane	2.5784	6.260	0.817	
Iso-pentane	0.5546	1.671	0.204	
n-Pentane	0.7550	2.275	0.275	
Hexanes Plus	1.5843	6.167	0.694	
	100.0000	100.000	7.517	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8302	3.2176
Calculated Molecular Weight	23.94	93.19
Compressibility Factor	0.9953	

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

Real Gas Dry BTU	1372	5141
Water Sat. Gas Base BTU	1349	5052

Comments: H2S Field Content 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.