



Certificate of Analysis
 Number: 2500-23100047-001A

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

Tony Walton
 Civitas Resources
 4301 Industrial Parkway
 Evans, CO 80620

Oct. 12, 2023

Station Name: SA 13-43-2HN GPM
 Station Number: 68018234
 Station Location: SA B-2 Pad
 Sample Point: Meter Tube Run
 Analyzed: 10/11/2023 17:05:15 by RHJ

Sampled By: Micah Hershberger
 Sample Of: Gas Spot
 Sample Date: 09/26/2023 11:30
 Sample Conditions: 202 psig, @ 106 °F
 Method: GPA-2261M
 Cylinder No: 1521

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL	GPM TOTAL C2+	7.204
Nitrogen	0.7961	0.963	GPM TOTAL C3+	3.790
Carbon Dioxide	2.5126	4.774	GPM TOTAL iC5+	0.631
Methane	71.4459	49.482		
Ethane	12.7156	16.507	3.414	
Propane	7.7783	14.807	2.152	
Iso-butane	0.7729	1.939	0.254	
n-Butane	2.3782	5.967	0.753	
Iso-pentane	0.4203	1.309	0.154	
n-Pentane	0.5466	1.703	0.199	
Hexanes Plus	0.6335	2.549	0.278	
	100.0000	100.000	7.204	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8029	3.2176
Calculated Molecular Weight	23.16	93.19
Compressibility Factor	0.9957	

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

Real Gas Dry BTU	1325	5141
Water Sat. Gas Base BTU	1303	5052

Comments: H2S Field Content 0.00 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.