



Certificate of Analysis
 Number: 2500-23100044-001A

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 44-14-3HN GPM
 Station Number: 68018236
 Station Location: SA B-2 Pad
 Sample Point: Meter Tube Run
 Analyzed: 10/11/2023 16:42:53 by RHJ

Sampled By: Micah Hershberger
 Sample Of: Gas Spot
 Sample Date: 09/25/2023 12:51
 Sample Conditions: 203 psig, @ 109 °F
 Method: GPA-2261M
 Cylinder No: 947

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL	GPM TOTAL C2+ 7.149	
Nitrogen	0.6464	0.783	GPM TOTAL C3+ 3.756	
Carbon Dioxide	2.4927	4.746	GPM TOTAL iC5+ 0.662	
Methane	71.8420	49.867		
Ethane	12.6367	16.440	3.393	
Propane	7.6070	14.513	2.104	
Iso-butane	0.7608	1.913	0.250	
n-Butane	2.3381	5.880	0.740	
Iso-pentane	0.4289	1.339	0.157	
n-Pentane	0.5608	1.751	0.204	
Hexanes Plus	0.6866	2.768	0.301	
	100.0000	100.000	7.149	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8012	3.2176
Calculated Molecular Weight	23.11	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.