



Certificate of Analysis
 Number: 2500-23100057-001A

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 A-U-2HNB GPM
 Station Number: 68011356
 Station Location: SA 14-2 Pad
 Sample Point: Meter Tube Run
 Analyzed: 10/12/2023 08:16:25 by RHJ

Sampled By: Paul Renslow
 Sample Of: Gas Spot
 Sample Date: 09/29/2023 09:00
 Sample Conditions: 116.98 psig, @ 107.99 °F
 Method: GPA-2261M
 Cylinder No: 1868

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL	GPM TOTAL C2+ 8.245	
Nitrogen	0.6196	0.713	GPM TOTAL C3+ 4.587	
Carbon Dioxide	2.5604	4.629	GPM TOTAL iC5+ 0.924	
Methane	68.2385	44.972		
Ethane	13.6131	16.815	3.658	
Propane	8.9068	16.134	2.465	
Iso-butane	0.9149	2.184	0.301	
n-Butane	2.8318	6.761	0.897	
Iso-pentane	0.5336	1.582	0.196	
n-Pentane	0.7036	2.085	0.256	
Hexanes Plus	1.0776	4.125	0.472	
	100.0000	100.000	8.245	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8443	3.2176
Calculated Molecular Weight	24.34	93.19
Compressibility Factor	0.9951	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

Real Gas Dry BTU	1391	5141
Water Sat. Gas Base BTU	1368	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.