



Certificate of Analysis
 Number: 2500-23100237-002A

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 42-12-3HN GPM
 Station Number: 68018240
 Station Location: SA B2 Pad
 Sample Point: Meter Tube Run
 Analyzed: 10/31/2023 21:32:07 by SO

Sampled By: Micah Hershberger
 Sample Of: Gas Spot
 Sample Date: 10/06/2023 15:59
 Sample Conditions: 204 psig, @ 115 °F
 Method: GPA-2261M
 Cylinder No: 12

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL	GPM TOTAL C2+ 8.404	
Nitrogen	0.7683	0.848	GPM TOTAL C3+ 5.344	
Carbon Dioxide	2.2769	3.947	GPM TOTAL iC5+ 1.828	
Methane	69.0120	43.611		
Ethane	11.3820	13.481	3.060	
Propane	7.6870	13.352	2.129	
Iso-butane	0.9753	2.233	0.321	
n-Butane	3.3652	7.705	1.066	
Iso-pentane	0.9089	2.583	0.334	
n-Pentane	1.2842	3.650	0.468	
Hexanes Plus	2.3402	8.590	1.026	
	100.0000	100.000	8.404	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8810	3.2176
Calculated Molecular Weight	25.39	93.19
Compressibility Factor	0.9946	

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

Real Gas Dry BTU	1452	5141
Water Sat. Gas Base BTU	1428	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.