



Certificate of Analysis

Number: 2500-22090094-004A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Sep. 22, 2022

Station Name: Antelope A-E-15 HNC GPM
Station Number: 68011295
Station Location: ANT F-15 Pad
Sample Point: Meter Tube Run
Analyzed: 09/22/2022 10:32:27 by RHJ

Sampled By: Paul Renslow
Sample Of: Gas Spot
Sample Date: 09/14/2022 10:00
Sample Conditions: 85.23 psig, @ 74.68 °F
Method: GPA-2261M
Cylinder No: 143

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 7.839
Nitrogen	0.6542	0.768		GPM TOTAL C3+ 4.231
Carbon Dioxide	2.6227	4.840		GPM TOTAL iC5+ 0.760
Methane	69.3702	46.664		
Ethane	13.4323	16.936	3.608	
Propane	8.2919	15.332	2.294	
Iso-butane	0.8759	2.135	0.288	
n-Butane	2.8084	6.844	0.889	
Iso-pentane	0.5327	1.612	0.196	
n-Pentane	0.7330	2.218	0.267	
Hexanes Plus	0.6785	2.651	0.297	
	100.0000	100.000	7.839	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8269	3.2176
Calculated Molecular Weight	23.85	93.19
Compressibility Factor	0.9954	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1362	5141
Water Sat. Gas Base BTU	1339	5052
Comments: H2S Field Content 2.0 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.