



Certificate of Analysis

Number: 2500-22100161-001A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Nov. 07, 2022

Station Name: ANT Y44-U41-18HNC GPM
Station Number: 68011085
Station Location: ANT 18-I Pad
Sample Point: Meter Tube Run
Analyzed: 11/05/2022 11:24:59 by RHJ

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 10/25/2022 12:40
Sample Conditions: 119.59 psig, @ 72.51 °F
Method: GPA-2261M
Cylinder No: 1198

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 7.442
Nitrogen	0.8259	0.988		GPM TOTAL C3+ 3.952
Carbon Dioxide	2.4694	4.639		GPM TOTAL iC5+ 0.679
Methane	70.7033	48.423		
Ethane	12.9938	16.680	3.490	
Propane	7.7940	14.672	2.156	
Iso-butane	0.8249	2.047	0.271	
n-Butane	2.6717	6.629	0.846	
Iso-pentane	0.4497	1.385	0.165	
n-Pentane	0.5608	1.727	0.204	
Hexanes Plus	0.7064	2.810	0.310	
	100.0000	100.000	7.442	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8121	3.2176
Calculated Molecular Weight	23.42	93.19
Compressibility Factor	0.9956	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1340	5141
Water Sat. Gas Base BTU	1317	5052
Comments: H2S Field Content 0.75 ppm		

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.