



Certificate of Analysis

Number: 2500-22050015-002A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

May 04, 2022

Station Name: ANT Y44-U41-18HNC GPM
Station Number: 68011085
Station Location: ANT 18-I Pad
Sample Point: Meter Tube Run
Analyzed: 05/04/2022 09:48:42 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 04/25/2022 12:35
Sample Conditions: 100.64 psig, @ 70.10 °F
Method: GPA-2261M
Cylinder No: 2500-01006

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.4265	0.523		GPM TOTAL C3+
Carbon Dioxide	2.2567	4.349		GPM TOTAL iC5+
Methane	71.4221	50.176		
Ethane	13.9325	18.346	3.741	
Propane	7.7518	14.969	2.144	
Iso-butane	0.8034	2.045	0.264	
n-Butane	2.3113	5.883	0.732	
Iso-pentane	0.3801	1.201	0.140	
n-Pentane	0.4461	1.409	0.162	
Hexanes Plus	0.2694	1.099	0.118	
	100.0000	100.000	7.301	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7915	3.2176
Calculated Molecular Weight	22.84	93.19
Compressibility Factor	0.9958	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1320	5141
Water Sat. Gas Base BTU	1298	5052
Comments: H2S Field Content 0.75 ppm		

Data reviewed by: Carson Souther, Laboratory Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.