



Certificate of Analysis

Number: 2500-22070050-002A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

July 13, 2022

Station Name: NP 11-14-28 HNC GPM
Station Number: 68004837
Station Location: NP I-21 Pad
Sample Point: Meter Tube Run
Analyzed: 07/12/2022 14:03:38 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 07/08/2022 09:25
Sample Conditions: 155.39 psig, @ 105.36 °F
Method: GPA-2261M
Cylinder No: 2500-00118

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 7.698
Nitrogen	0.3747	0.449		GPM TOTAL C3+ 3.888
Carbon Dioxide	2.1216	3.991		GPM TOTAL iC5+ 0.740
Methane	70.5775	48.403		
Ethane	14.1844	18.233	3.810	
Propane	7.4875	14.114	2.072	
Iso-butane	0.8892	2.209	0.292	
n-Butane	2.4773	6.155	0.784	
Iso-pentane	0.5224	1.611	0.192	
n-Pentane	0.6706	2.068	0.244	
Hexanes Plus	0.6947	2.767	0.304	
	100.0000	100.000	7.698	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8110	3.2176
Calculated Molecular Weight	23.39	93.19
Compressibility Factor	0.9955	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1355	5141
Water Sat. Gas Base BTU	1332	5052
Comments: H2S Field Content 1.00 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.