



Certificate of Analysis

Number: 2500-22070050-001A

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 21-24-28 HNC GPM
Station Number: 68004840
Station Location: NP I-21 Pad
Sample Point: Meter Tube Run
Analyzed: 07/12/2022 13:52:25 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 07/07/2022 14:15
Sample Conditions: 159.73 psig, @ 91.02 °F
Method: GPA-2261M
Cylinder No: 2500-00182

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.3778	0.456		GPM TOTAL C3+
Carbon Dioxide	2.1851	4.142		GPM TOTAL iC5+
Methane	70.4480	48.672		
Ethane	14.5536	18.847	3.908	
Propane	7.6226	14.476	2.109	
Iso-butane	0.8874	2.221	0.292	
n-Butane	2.4257	6.072	0.768	
Iso-pentane	0.4549	1.413	0.167	
n-Pentane	0.5438	1.690	0.198	
Hexanes Plus	0.5010	2.011	0.220	
	100.0000	100.000	7.662	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8049	3.2176
Calculated Molecular Weight	23.22	93.19
Compressibility Factor	0.9956	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1344	5141
Water Sat. Gas Base BTU	1321	5052
Comments: H2S Field Content 0.50 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.