



Certificate of Analysis

Number: 2500-23060085-002A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

June 13, 2023

Station Name: NPF 21-24-22 HC GPM
Station Number: 68004616
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Analyzed: 06/13/2023 15:08:07 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 06/09/2023 10:45
Sample Conditions: 90.30 psig, @ 75.57 °F
Method: GPA-2261M
Cylinder No: 1536

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 7.968
Nitrogen	0.3879	0.457		GPM TOTAL C3+ 4.041
Carbon Dioxide	2.3746	4.394		GPM TOTAL iC5+ 0.883
Methane	69.5227	46.895		
Ethane	14.6201	18.483	3.927	
Propane	7.6378	14.160	2.114	
Iso-butane	0.8599	2.101	0.283	
n-Butane	2.4047	5.876	0.761	
Iso-pentane	0.4727	1.434	0.174	
n-Pentane	0.6067	1.840	0.221	
Hexanes Plus	1.1128	4.360	0.488	
	100.0000	100.000	7.968	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8247	3.2176
Calculated Molecular Weight	23.78	93.19
Compressibility Factor	0.9953	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1369	5141
Water Sat. Gas Base BTU	1346	5052

Comments: H2S Field Content 1.00 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.