



Certificate of Analysis

Number: 2500-22080114-002A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Aug. 19, 2022

Station Name: NP P31-T34-34HNB GPM
Station Number: 68011408
Station Location: NP T-27 Pad
Sample Point: Meter Tube Run
Analyzed: 08/18/2022 14:18:34 by RHJ

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 08/04/2022 09:55
Sample Conditions: 163.11 psig, @ 88.33 °F
Method: GPA-2261M
Cylinder No: 2500-01054

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.3719	0.451		GPM TOTAL C3+
Carbon Dioxide	2.3353	4.451		GPM TOTAL iC5+
Methane	71.1944	49.469		
Ethane	14.0355	18.279	3.769	
Propane	7.4583	14.245	2.063	
Iso-butane	0.7910	1.991	0.260	
n-Butane	2.2132	5.572	0.701	
Iso-pentane	0.4361	1.363	0.160	
n-Pentane	0.5714	1.786	0.208	
Hexanes Plus	0.5928	2.393	0.260	
	100.0000	100.000	7.421	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8003	3.2176
Calculated Molecular Weight	23.09	93.19
Compressibility Factor	0.9957	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

Real Gas Dry BTU	1333	5141
Water Sat. Gas Base BTU	1310	5052

Comments: H2S Field Content 1.25 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.