



Certificate of Analysis

Number: 2500-22080114-007A

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 K31-O34-34HNB GPM
Station Number: 68011405
Station Location: NP T-27 Pad
Sample Point: Meter Tube Run
Analyzed: 08/19/2022 08:24:18 by RHJ

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 08/04/2022 13:30
Sample Conditions: 173.96 psig, @ 92.45 °F
Method: GPA-2261M
Cylinder No: 2500-00977

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+
Nitrogen	0.3694	0.439		GPM TOTAL C3+
Carbon Dioxide	2.4423	4.558		GPM TOTAL iC5+
Methane	69.6227	47.363		
Ethane	14.4828	18.467	3.890	
Propane	7.8810	14.737	2.181	
Iso-butane	0.8899	2.193	0.292	
n-Butane	2.5600	6.310	0.811	
Iso-pentane	0.5029	1.539	0.185	
n-Pentane	0.6060	1.854	0.221	
Hexanes Plus	0.6428	2.540	0.282	
	100.0000	100.000	7.862	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8176	3.2176
Calculated Molecular Weight	23.58	93.19
Compressibility Factor	0.9955	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1357	5141
Water Sat. Gas Base BTU	1334	5052
Comments: H2S Field Content 2.00 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.