



Certificate of Analysis

Number: 2500-23080081-005A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Aug. 10, 2023

Station Name: NP K21-O24-34HNC GPM
Station Number: 68011409
Station Location: NP T-27 Pad
Sample Point: Meter Tube Run
Analyzed: 08/10/2023 13:49:10 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 08/02/2023 10:45
Sample Conditions: 168.28 psig, @ 77.02 °F
Method: GPA-2261M
Cylinder No: 1292

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.4266	0.503		GPM TOTAL C3+
Carbon Dioxide	2.2908	4.246		GPM TOTAL iC5+
Methane	69.6962	47.091		
Ethane	14.4808	18.339	3.890	
Propane	7.6747	14.253	2.124	
Iso-butane	0.8384	2.052	0.276	
n-Butane	2.4044	5.886	0.761	
Iso-pentane	0.4694	1.426	0.172	
n-Pentane	0.6107	1.856	0.222	
Hexanes Plus	1.1079	4.348	0.486	
	100.0000	100.000	7.931	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8233	3.2176
Calculated Molecular Weight	23.74	93.19
Compressibility Factor	0.9954	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1369	5141
Water Sat. Gas Base BTU	1345	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.