



Certificate of Analysis

Number: 2500-22090160-011A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Sep. 29, 2022

Station Name: NPF 31-34-22 HNB GPM
Station Number: 68004619
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Analyzed: 09/29/2022 10:42:07 by RHJ

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 09/12/2022 12:15
Sample Conditions: 107.06 psig, @ 83.25 °F
Method: GPA-2261M
Cylinder No: 1855

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.3962	0.471		GPM TOTAL C3+
Carbon Dioxide	2.4317	4.539		GPM TOTAL iC5+
Methane	69.8840	47.545		
Ethane	14.5358	18.536	3.904	
Propane	7.5052	14.035	2.077	
Iso-butane	0.8467	2.087	0.278	
n-Butane	2.3968	5.908	0.759	
Iso-pentane	0.4951	1.515	0.182	
n-Pentane	0.6694	2.048	0.244	
Hexanes Plus	0.8390	3.316	0.368	
	100.0000	100.000	7.812	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8176	3.2176
Calculated Molecular Weight	23.58	93.19
Compressibility Factor	0.9954	
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 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.