



Certificate of Analysis

Number: 2500-22070050-005A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

July 13, 2022

Station Name: NP A11-E14-28 HNB GPM
Station Number: 68004836
Station Location: NP I-21 Pad
Sample Point: Meter Tube Run
Analyzed: 07/13/2022 08:12:47 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 07/08/2022 08:30
Sample Conditions: 153.73 psig, @ 82.48 °F
Method: GPA-2261M
Cylinder No: 2500-00843

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.3878	0.469		GPM TOTAL C3+
Carbon Dioxide	2.1440	4.077		GPM TOTAL iC5+
Methane	70.9000	49.144		
Ethane	14.2818	18.555	3.835	
Propane	7.4716	14.235	2.067	
Iso-butane	0.8588	2.157	0.282	
n-Butane	2.3715	5.956	0.751	
Iso-pentane	0.4729	1.474	0.174	
n-Pentane	0.5965	1.859	0.217	
Hexanes Plus	0.5150	2.074	0.226	
	100.0000	100.000	7.552	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8023	3.2176
Calculated Molecular Weight	23.14	93.19
Compressibility Factor	0.9956	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1340	5141
Water Sat. Gas Base BTU	1318	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.