



Certificate of Analysis

Number: 2500-22090160-015A

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

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4301 Industrial Parkway
Evans, CO 80620

Sep. 29, 2022

Station Name: NPF F-J-22 HNB GLM
Station Number: 66004003
Station Location: NPF F-22 Pad
Sample Point: Meter Tube Run
Analyzed: 09/29/2022 11:35:31 by RHJ

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 09/16/2022 09:20
Sample Conditions: 900.38 psig, @ 81.74 °F
Method: GPA-2261M
Cylinder No: 1252

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.4031	0.495		GPM TOTAL C3+
Carbon Dioxide	2.4559	4.735		GPM TOTAL iC5+
Methane	71.1702	50.023		
Ethane	14.8717	19.591	3.993	
Propane	7.2614	14.028	2.008	
Iso-butane	0.7165	1.824	0.235	
n-Butane	1.8380	4.680	0.582	
Iso-pentane	0.2937	0.928	0.108	
n-Pentane	0.3725	1.177	0.136	
Hexanes Plus	0.6169	2.519	0.270	
	100.0000	100.000	7.332	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7911	3.2176
Calculated Molecular Weight	22.83	93.19
Compressibility Factor	0.9958	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1315	5141
Water Sat. Gas Base BTU	1293	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.