



Certificate of Analysis

Number: 2500-22090160-008A

Greeley Laboratory
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Unit 6-8
Greeley, CO 80631

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4301 Industrial Parkway
Evans, CO 80620

Sep. 29, 2022

Station Name: NPF 21-24-22 HC GPM
Station Number: 68004616
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Analyzed: 09/29/2022 10:12:26 by RHJ

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 09/12/2022 09:22
Sample Conditions: 99.93 psig, @ 72.84 °F
Method: GPA-2261M
Cylinder No: 1857

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 8.066
Nitrogen	0.3944	0.463		GPM TOTAL C3+ 4.101
Carbon Dioxide	2.4211	4.469		GPM TOTAL iC5+ 0.828
Methane	69.0236	46.443		
Ethane	14.7606	18.615	3.965	
Propane	7.7629	14.357	2.148	
Iso-butane	0.9176	2.237	0.302	
n-Butane	2.6003	6.339	0.823	
Iso-pentane	0.5643	1.708	0.207	
n-Pentane	0.8033	2.431	0.292	
Hexanes Plus	0.7518	2.938	0.329	
	100.0000	100.000	8.066	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8268	3.2176
Calculated Molecular Weight	23.84	93.19
Compressibility Factor	0.9953	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1371	5141
Water Sat. Gas Base BTU	1348	5052
Comments: H2S Field Content 0.75 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.