



Certificate of Analysis

Number: 2500-22090160-013A

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

Tony Walton
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4301 Industrial Parkway
Evans, CO 80620

Sep. 29, 2022

Station Name: NPF 11-14-22 HNC GPM
Station Number: 68003989
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Analyzed: 09/29/2022 11:05:54 by RHJ

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 09/13/2022 10:55
Sample Conditions: 127.75 psig, @ 77.80 °F
Method: GPA-2261M
Cylinder No: 837

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.4123	0.505		GPM TOTAL C3+
Carbon Dioxide	2.4277	4.671		GPM TOTAL iC5+
Methane	71.1826	49.925		
Ethane	14.5477	19.124	3.906	
Propane	7.2499	13.976	2.005	
Iso-butane	0.7874	2.001	0.259	
n-Butane	2.1202	5.387	0.671	
Iso-pentane	0.3741	1.180	0.137	
n-Pentane	0.4642	1.464	0.169	
Hexanes Plus	0.4338	1.767	0.190	
	100.0000	100.000	7.337	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7928	3.2176
Calculated Molecular Weight	22.87	93.19
Compressibility Factor	0.9958	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1318	5141
Water Sat. Gas Base BTU	1296	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.