



Certificate of Analysis

Number: 2500-23090149-002A

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. 22, 2023

Station Name: NPF F-J-22 HNC GPM
Station Number: 68003991
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Analyzed: 09/22/2023 07:39:26 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 09/07/2023 13:35
Sample Conditions: 184.73 psig, @ 91.29 °F
Method: GPA-2261M
Cylinder No: 814

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 7.426
Nitrogen	0.4119	0.500		GPM TOTAL C3+ 3.550
Carbon Dioxide	2.3516	4.487		GPM TOTAL iC5+ 0.641
Methane	71.1359	49.482		
Ethane	14.4326	18.816	3.876	
Propane	7.1722	13.712	1.984	
Iso-butane	0.7726	1.947	0.254	
n-Butane	2.1196	5.342	0.671	
Iso-pentane	0.3879	1.213	0.142	
n-Pentane	0.4489	1.404	0.163	
Hexanes Plus	0.7666	3.097	0.336	
	100.0000	100.000	7.426	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7995	3.2176
Calculated Molecular Weight	23.06	93.19
Compressibility Factor	0.9957	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1330	5141
Water Sat. Gas Base BTU	1308	5052
Comments: H2S Field Content 1.50 ppm		

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.