



# Certificate of Analysis

Number: 2500-23070057-005A

Greeley Laboratory  
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Unit 6-8  
Greeley, CO 80631

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4301 Industrial Parkway  
Evans, CO 80620

July 17, 2023

Station Name: NPF F-J-22 HNC GPM  
Station Number: 68003991  
Station Location: NPF K-22 Pad  
Sample Point: Meter Tube Run  
Analyzed: 07/13/2023 17:30:19 by SO

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 06/23/2023 11:02  
Sample Conditions: 121.47 psig, @ 81.01 °F  
Method: GPA-2261M  
Cylinder No: 756

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 7.724
Nitrogen	0.4018	0.480		GPM TOTAL C3+ 3.819
Carbon Dioxide	2.3848	4.473		GPM TOTAL iC5+ 0.774
Methane	70.2265	48.011		
Ethane	14.5395	18.631	3.905	
Propane	7.4409	13.983	2.059	
Iso-butane	0.8206	2.033	0.270	
n-Butane	2.2603	5.599	0.716	
Iso-pentane	0.4200	1.291	0.154	
n-Pentane	0.5345	1.643	0.195	
Hexanes Plus	0.9710	3.856	0.425	
	100.0000	100.000	7.724	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8136	3.2176
Calculated Molecular Weight	23.47	93.19
Compressibility Factor	0.9955	
<b>GPA 2172 Calculation:</b>		
<b>Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia &amp; 60°F</b>		
Real Gas Dry BTU	1351	5141
Water Sat. Gas Base BTU	1329	5052
<b>Comments:</b> 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.