



# Certificate of Analysis

Number: 2500-23070057-012A

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 A-E-22HC GLM  
Station Number: 66003999  
Station Location: NPF F-22 Pad  
Sample Point: Meter Tube Run  
Analyzed: 07/14/2023 16:54:11 by SO

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 06/26/2023 11:40  
Sample Conditions: 799.28 psig, @ 86.58 °F  
Method: GPA-2261M  
Cylinder No: 627

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL		GPM TOTAL C2+ 7.221
Nitrogen	0.4592	0.566		GPM TOTAL C3+ 3.301
Carbon Dioxide	2.3324	4.520		GPM TOTAL iC5+ 0.495
Methane	71.6368	50.600		
Ethane	14.5990	19.328	3.920	
Propane	7.0890	13.764	1.961	
Iso-butane	0.7280	1.863	0.239	
n-Butane	1.9138	4.898	0.606	
Iso-pentane	0.3122	0.992	0.115	
n-Pentane	0.3735	1.187	0.136	
Hexanes Plus	0.5561	2.282	0.244	
	100.0000	100.000	7.221	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7872	3.2176
Calculated Molecular Weight	22.71	93.19
Compressibility Factor	0.9958	
<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	1311	5141
Water Sat. Gas Base BTU	1289	5052
<b>Comments:</b> H2S Field Content 0.25 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.