



# Certificate of Analysis

Number: 2500-22090160-005A

Greeley Laboratory  
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Evans, CO 80620

Sep. 29, 2022

Station Name: NPF F-J-22 HNC GPM  
Station Number: 68003991  
Station Location: NPF K-22 Pad  
Sample Point: Meter Tube Run  
Analyzed: 09/29/2022 09:23:08 by RHJ

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 09/14/2022 09:30  
Sample Conditions: 119.87 psig, @ 72.84 °F  
Method: GPA-2261M  
Cylinder No: 655

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.4280	0.524		GPM TOTAL C3+
Carbon Dioxide	2.4230	4.656		GPM TOTAL iC5+
Methane	70.9842	49.727		
Ethane	14.5633	19.122	3.910	
Propane	7.3818	14.214	2.042	
Iso-butane	0.8139	2.066	0.267	
n-Butane	2.2443	5.696	0.710	
Iso-pentane	0.3691	1.163	0.136	
n-Pentane	0.4261	1.342	0.155	
Hexanes Plus	0.3662	1.490	0.160	
	100.0000	100.000	7.380	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7938	3.2176
Calculated Molecular Weight	22.90	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	1319	5141
Water Sat. Gas Base BTU	1297	5052
<b>Comments:</b> H2S Field Content 1.25 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.