



Certificate of Analysis  
 Number: 2500-23080215-008A

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

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 4301 Industrial Parkway  
 Evans, CO 80620

Sep. 01, 2023

Station Name: SSH J14-F11-5HNC GPM  
 Station Number: 68017948  
 Station Location: SH J-5 Pad  
 Sample Point: Meter Tube Run  
 Analyzed: 09/01/2023 09:24:48 by SO

Sampled By: Paul Renslow  
 Sample Of: Gas Spot  
 Sample Date: 08/23/2023 09:00  
 Sample Conditions: 228.42 psig, @ 104.33 °F  
 Method: GPA-2261M  
 Cylinder No: 106

**Analytical Data**

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL	GPM TOTAL C2+ 7.125	
Nitrogen	0.7215	0.876	GPM TOTAL C3+ 3.747	
Carbon Dioxide	2.0842	3.977	GPM TOTAL iC5+ 0.762	
Methane	72.3991	50.364		
Ethane	12.5785	16.401	3.378	
Propane	7.3344	14.024	2.029	
Iso-butane	0.7455	1.879	0.245	
n-Butane	2.2451	5.658	0.711	
Iso-pentane	0.3930	1.230	0.144	
n-Pentane	0.5092	1.593	0.185	
Hexanes Plus	0.9893	3.998	0.433	
	100.0000	100.000	7.125	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7994	3.2176
Calculated Molecular Weight	23.06	93.19
Compressibility Factor	0.9957	

**GPA 2172 Calculation:**

**Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia & 60°F**

Real Gas Dry BTU	1332	5141
Water Sat. Gas Base BTU	1309	5052

**Comments:** H2S Field Content 2.0 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.