



Certificate of Analysis  
 Number: 2500-22040136-008A

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

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 4301 Industrial Parkway  
 Evans, CO 80620

Apr. 21, 2022

Station Name: SA A-U-2HNB  
 Station Number: 68011356  
 Station Location: SA 14-2 Pad  
 Sample Point: Meter Tube Run  
 Analyzed: 04/21/2022 12:57:01 by SO

Sampled By: Paul Renslow  
 Sample Of: Gas Spot  
 Sample Date: 04/18/2022 12:00  
 Sample Conditions: 87.42 psig, @ 54.79 °F  
 Method: GPA-2261M  
 Cylinder No: 43

**Analytical Data**

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL	GPM TOTAL C2+	6.587
Nitrogen	0.6822	0.857	GPM TOTAL C3+	3.224
Carbon Dioxide	2.4120	4.759	GPM TOTAL iC5+	0.391
Methane	73.5192	52.876		
Ethane	12.5288	16.890	3.363	
Propane	7.3912	14.612	2.044	
Iso-butane	0.6546	1.706	0.215	
n-Butane	1.8129	4.724	0.574	
Iso-pentane	0.2653	0.858	0.097	
n-Pentane	0.3679	1.190	0.134	
Hexanes Plus	0.3658	1.528	0.160	
	100.0000	100.000	6.587	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7729	3.2176
Calculated Molecular Weight	22.31	93.19
Compressibility Factor	0.9960	

**GPA 2172 Calculation:**  
**Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia & 60°F**

Real Gas Dry BTU	1283	5141
Water Sat. Gas Base BTU	1261	5052

**Comments:** H2S Field Content 1.0 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.