



# Certificate of Analysis

Number: 2500-23070202-001A

Greeley Laboratory  
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Unit 6-8  
Greeley, CO 80631

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4301 Industrial Parkway  
Evans, CO 80620

Aug. 04, 2023

Station Name: SPH W42-29-30 XRLNB GLM  
Station Number: 66004652  
Station Location: PH B-28 Pad  
Sample Point: Meter Tube Run  
Analyzed: 08/04/2023 15:30:09 by SO

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 07/18/2023 14:25  
Sample Conditions: 1062.01 psig, @ 82.20 °F  
Method: GPA-2261M  
Cylinder No: 662

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL		GPM TOTAL C2+ 7.189
Nitrogen	0.8529	1.039		GPM TOTAL C3+ 3.705
Carbon Dioxide	2.2962	4.396		GPM TOTAL iC5+ 0.534
Methane	71.5348	49.920		
Ethane	12.9759	16.972	3.484	
Propane	8.0895	15.517	2.238	
Iso-butane	0.7519	1.901	0.247	
n-Butane	2.1682	5.482	0.686	
Iso-pentane	0.3098	0.972	0.114	
n-Pentane	0.3681	1.155	0.134	
Hexanes Plus	0.6527	2.646	0.286	
	100.0000	100.000	7.189	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7968	3.2176
Calculated Molecular Weight	22.99	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	1320	5141
Water Sat. Gas Base BTU	1298	5052

Comments: H2S Field Content 0.00 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.