



# Certificate of Analysis

Number: 2500-23050056-002A

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

Tony Walton  
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4301 Industrial Parkway  
Evans, CO 80620

May 12, 2023

Station Name: SPH W42-29-30XRLNB GLM  
Station Number: 68004652  
Station Location: PH B-28 Pad  
Sample Point: Meter Tube Run  
Analyzed: 05/12/2023 12:12:42 by SO

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 05/01/2023 10:05  
Sample Conditions: 1039.51 psig, @ 91.30 °F  
Method: GPA-2261M  
Cylinder No: 1263

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 7.147
Nitrogen	0.8382	1.022		GPM TOTAL C3+ 3.693
Carbon Dioxide	2.3715	4.540		GPM TOTAL iC5+ 0.559
Methane	71.6413	49.998		
Ethane	12.8624	16.826	3.454	
Propane	8.1614	15.656	2.257	
Iso-butane	0.7023	1.776	0.231	
n-Butane	2.0421	5.164	0.646	
Iso-pentane	0.2854	0.896	0.105	
n-Pentane	0.3479	1.092	0.127	
Hexanes Plus	0.7473	3.030	0.327	
	100.0000	100.000	7.147	

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	1318	5141
Water Sat. Gas Base BTU	1296	5052

**Comments:** H2S Field Content 1.75 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.