



# Certificate of Analysis

Number: 2500-23080106-001A

**Greeley Laboratory**  
2881 S. 31st Ave  
Unit 6-8  
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4301 Industrial Parkway  
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Aug. 14, 2023

Station Name: Mustang V41-34-33 XRLNB GPM  
Station Number: 68004589  
Station Location: Mustang 42-34 Pad  
Sample Point: Meter Tube Run  
Analyzed: 08/11/2023 14:58:24 by SO

Sampled By: Paul Renslow  
Sample Of: Gas Spot  
Sample Date: 08/01/2023 14:00  
Sample Conditions: 57.24 psig, @ 98.57 °F  
Method: GPA-2261M  
Cylinder No: 1514

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL		GPM TOTAL C2+ 9.965
Nitrogen	0.2866	0.317		GPM TOTAL C3+ 5.080
Carbon Dioxide	2.0872	3.629		GPM TOTAL iC5+ 0.893
Methane	62.7312	39.763		
Ethane	18.1728	21.590	4.885	
Propane	10.6050	18.477	2.937	
Iso-butane	1.0662	2.449	0.351	
n-Butane	2.8361	6.513	0.899	
Iso-pentane	0.4886	1.393	0.180	
n-Pentane	0.5859	1.670	0.213	
Hexanes Plus	1.1404	4.199	0.500	
	100.0000	100.000	9.965	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8783	3.2176
Calculated Molecular Weight	25.31	93.19
Compressibility Factor	0.9946	
<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	1462	5141
Water Sat. Gas Base BTU	1437	5052

**Comments:** H2S Field Content 0.0 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.