



Certificate of Analysis

Number: 2500-22040162-001A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Apr. 29, 2022

Station Name: SPH W42-29-30 XRLNB GPM
Station Number: 68004644
Station Location: PH B-28 Pad
Sample Point: Meter Tube Run
Analyzed: 04/29/2022 10:43:24 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 04/21/2022 14:40
Sample Conditions: 97.53 psig, @ 100.10 °F
Method: GPA-2261M
Cylinder No: 2500-01896

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL		GPM TOTAL C2+ 6.670
Nitrogen	0.9189	1.140		GPM TOTAL C3+ 3.516
Carbon Dioxide	2.3201	4.524		GPM TOTAL iC5+ 0.445
Methane	73.2260	52.045		
Ethane	11.7495	15.652	3.154	
Propane	7.6731	14.990	2.122	
Iso-butane	0.7330	1.888	0.241	
n-Butane	2.2374	5.761	0.708	
Iso-pentane	0.3504	1.120	0.129	
n-Pentane	0.4175	1.335	0.152	
Hexanes Plus	0.3741	1.545	0.164	
	100.0000	100.000	6.670	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7822	3.2176
Calculated Molecular Weight	22.57	93.19
Compressibility Factor	0.9959	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1296	5141
Water Sat. Gas Base BTU	1274	5052
Comments: H2S Field Content 0.0 ppm		

Data reviewed by: Carson Souther, Laboratory Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.