



Certificate of Analysis
 Number: 2500-22040136-002A

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

Tony Walton
 Civitas Resources
 4301 Industrial Parkway
 Evans, CO 80620

Apr. 21, 2022

Station Name: SA 11-41-2HNB GPM
 Station Number: 68011358
 Station Location: SA 14-2 Pad
 Sample Point: Meter Tube Run
 Analyzed: 04/21/2022 11:55:49 by SO

Sampled By: Paul Renslow
 Sample Of: Gas Spot
 Sample Date: 04/18/2022 09:15
 Sample Conditions: 99.56 psig, @ 52.55 °F
 Method: GPA-2261M
 Cylinder No: 1855

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL	GPM TOTAL C2+ 6.607	
Nitrogen	0.6853	0.859	GPM TOTAL C3+ 3.271	
Carbon Dioxide	2.3836	4.692	GPM TOTAL iC5+ 0.411	
Methane	73.5184	52.758		
Ethane	12.4289	16.717	3.336	
Propane	7.3188	14.436	2.024	
Iso-butane	0.6697	1.741	0.220	
n-Butane	1.9461	5.060	0.616	
Iso-pentane	0.3021	0.975	0.111	
n-Pentane	0.3729	1.203	0.136	
Hexanes Plus	0.3741	1.559	0.164	
	100.0000	100.000	6.607	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7747	3.2176
Calculated Molecular Weight	22.36	93.19
Compressibility Factor	0.9960	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1286	5141
Water Sat. Gas Base BTU	1264	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.