



Certificate of Analysis

Number: 2500-22060160-002A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

June 27, 2022

Station Name: SSH 34-31-6 HNB GPM
Station Number: 68011025
Station Location: SSH T-6 Pad
Sample Point: Meter Tube Run
Analyzed: 06/27/2022 09:30:21 by SO

Sampled By: Paul Renslow
Sample Of: Gas Spot
Sample Date: 06/14/2022 12:00
Sample Conditions: 117.66 psig, @ 67.63 °F
Method: GPA-2261M
Cylinder No: 2500-01851

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 6.714
Nitrogen	0.5165	0.651		GPM TOTAL C3+ 3.146
Carbon Dioxide	2.1162	4.191		GPM TOTAL iC5+ 0.349
Methane	73.4702	53.045		
Ethane	13.2935	17.989	3.568	
Propane	7.0129	13.917	1.939	
Iso-butane	0.7064	1.848	0.232	
n-Butane	1.9798	5.179	0.626	
Iso-pentane	0.3001	0.974	0.110	
n-Pentane	0.3457	1.122	0.126	
Hexanes Plus	0.2585	1.084	0.113	
	100.0000	100.000	6.714	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7700	3.2176
Calculated Molecular Weight	22.22	93.19
Compressibility Factor	0.9960	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1289	5141
Water Sat. Gas Base BTU	1267	5052

Comments: H2S Field Content 2.0 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.