



Certificate of Analysis
 Number: 2500-22060160-001A

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 O-K-6 HNB GPM
 Station Number: 68011026
 Station Location: SSH T-6 Pad
 Sample Point: Meter Tube Run
 Analyzed: 06/27/2022 09:21:05 by SO

Sampled By: Paul Renslow
 Sample Of: Gas Spot
 Sample Date: 06/14/2022 10:30
 Sample Conditions: 130.07 psig, @ 75.59 °F
 Method: GPA-2261M
 Cylinder No: 2500-01005

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL	GPM TOTAL C2+	6.711
Nitrogen	0.4982	0.628	GPM TOTAL C3+	3.156
Carbon Dioxide	2.0945	4.146	GPM TOTAL iC5+	0.392
Methane	73.5702	53.079		
Ethane	13.2423	17.908	3.555	
Propane	6.8845	13.653	1.904	
Iso-butane	0.7023	1.836	0.231	
n-Butane	1.9877	5.196	0.629	
Iso-pentane	0.3466	1.125	0.127	
n-Pentane	0.4166	1.352	0.152	
Hexanes Plus	0.2569	1.077	0.113	
	100.0000	100.000	6.711	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7705	3.2176
Calculated Molecular Weight	22.24	93.19
Compressibility Factor	0.9960	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

Real Gas Dry BTU	1290	5141
Water Sat. Gas Base BTU	1268	5052

Comments: H2S Field Content 2.0 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.