



Certificate of Analysis

Number: 2500-22030208-007A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Apr. 01, 2022

Station Name: SNP 11-36-1 XRLNB GPM
Station Number: 68011198
Station Location: SNP F-36
Sample Point: Port
Analyzed: 04/01/2022 11:36:47 by SO

Sampled By: Brandon Fox
Sample Of: Gas Spot
Sample Date: 03/24/2022
Sample Conditions: 149.34 psig, @ 77.33 °F
Method: GPA-2261M
Cylinder No: 2500-00679

Analytical Data

| Components | Mol. % | Wt. % | GPM at 14.73 psia | |
|------------------|----------|---------|----------------------|----------------------|
| Hydrogen Sulfide | 0.0004 | 0.001 | | GPM TOTAL C2+ 7.798 |
| Nitrogen | 0.4212 | 0.501 | | GPM TOTAL C3+ 4.038 |
| Carbon Dioxide | 2.0924 | 3.911 | | GPM TOTAL iC5+ 0.765 |
| Methane | 70.2603 | 47.871 | | |
| Ethane | 14.0005 | 17.880 | 3.760 | |
| Propane | 7.9255 | 14.843 | 2.193 | |
| Iso-butane | 0.8686 | 2.144 | 0.285 | |
| n-Butane | 2.5112 | 6.199 | 0.795 | |
| Iso-pentane | 0.4649 | 1.425 | 0.171 | |
| n-Pentane | 0.5975 | 1.831 | 0.218 | |
| Hexanes Plus | 0.8575 | 3.394 | 0.376 | |
| | 100.0000 | 100.000 | 7.798 | |

| Calculated Physical Properties | Total | C6+ |
|--|--------|--------|
| Relative Density Real Gas | 0.8164 | 3.2176 |
| Calculated Molecular Weight | 23.55 | 93.19 |
| Compressibility Factor | 0.9954 | |
| GPA 2172 Calculation: | | |
| Calculated Gross BTU per ft³ @ 14.73 psia & 60°F | | |
| Real Gas Dry BTU | 1363 | 5141 |
| Water Sat. Gas Base BTU | 1340 | 5052 |
| Comments: H2S Field Content 4 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.