



Certificate of Analysis
 Number: 2500-23060085-002A

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

Tony Walton
 Civitas Resources
 4301 Industrial Parkway
 Evans, CO 80620

June 13, 2023

Station Name: NPF 21-24-22 HC GPM
 Station Number: 68004616
 Station Location: NPF K-22 Pad
 Sample Point: Meter Tube Run
 Analyzed: 06/13/2023 15:08:07 by SO

Sampled By: Russ Fox
 Sample Of: Gas Spot
 Sample Date: 06/09/2023 10:45
 Sample Conditions: 90.30 psig, @ 75.57 °F
 Method: GPA-2261M
 Cylinder No: 1536

Analytical Data

| Components | Mol. % | Wt. % | GPM at 14.73 psia | |
|------------------|----------|---------|----------------------|--|
| Hydrogen Sulfide | 0.0001 | NIL | GPM TOTAL C2+ 7.968 | |
| Nitrogen | 0.3879 | 0.457 | GPM TOTAL C3+ 4.041 | |
| Carbon Dioxide | 2.3746 | 4.394 | GPM TOTAL iC5+ 0.883 | |
| Methane | 69.5227 | 46.895 | | |
| Ethane | 14.6201 | 18.483 | 3.927 | |
| Propane | 7.6378 | 14.160 | 2.114 | |
| Iso-butane | 0.8599 | 2.101 | 0.283 | |
| n-Butane | 2.4047 | 5.876 | 0.761 | |
| Iso-pentane | 0.4727 | 1.434 | 0.174 | |
| n-Pentane | 0.6067 | 1.840 | 0.221 | |
| Hexanes Plus | 1.1128 | 4.360 | 0.488 | |
| | 100.0000 | 100.000 | 7.968 | |

| Calculated Physical Properties | Total | C6+ |
|--------------------------------|--------|--------|
| Relative Density Real Gas | 0.8247 | 3.2176 |
| Calculated Molecular Weight | 23.78 | 93.19 |
| Compressibility Factor | 0.9953 | |

GPA 2172 Calculation:

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

| | | |
|-------------------------|------|------|
| Real Gas Dry BTU | 1369 | 5141 |
| Water Sat. Gas Base BTU | 1346 | 5052 |

Comments: H2S Field Content 1.00 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.