Certificate of Analysis

Number: 2500-21080175-001A

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

Ben Turner
Edge Energy
,

Aug. 30, 2021

Station Name: State 16-3-61 1H
Method: GPA 2286
Analyzed: 08/27/2021 11:54:57 by RHJ

Sampled By: Dan Lara
Sample Of: Gas Spot
Sample Date: 08/19/2021 12:15
Sample Conditions: 2 psig, @ 85 °F

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia
Hydrogen Sulfide	0.0006	0.0005	
Nitrogen	3.1771	2.2676	
Carbon Dioxide	0.9913	1.1115	
Methane	36.6428	14.9773	
Ethane	10.5808	8.1061	2.8680
Propane	18.1926	20.4391	5.0798
Iso-Butane	3.0124	4.4610	0.9991
n-Butane	12.2616	18.1578	3.9179
Iso-Pentane	3.9238	7.2129	1.4544
n-Pentane	4.7326	8.6997	1.7387
i-Hexanes	2.3737	5.2079	0.9936
n-Hexane	1.5006	3.2951	0.6255
Benzene	0.1269	0.2529	0.0360
Cyclohexane	0.1864	0.4000	0.0642
i-Heptanes	1.8494	4.2275	0.7222
n-Heptane	0.1435	0.3660	0.0671
Toluene	0.0189	0.0439	0.0064
i-Octanes	0.2511	0.6737	0.1142
n-Octane	0.0109	0.0315	0.0056
2,2,4-Trimethylpentane	0.0114	0.0335	0.0060
Ethylbenzene	0.0023	0.0055	0.0009
Xylenes	0.0018	0.0054	0.0007
i-Nonanes	0.0075	0.0236	0.0038
n-Nonane	NIL	NIL	NIL
Decane Plus	NIL	NIL	NIL
	100.0000	100.0000	18.7041

Calculated Physical Properties	**Total**
Calculated Molecular Weight	39.25
GPA 2172 Calculation:	
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F	
Real Gas Dry BTU	2205.7
Water Sat. Gas Base BTU	2167.3
Relative Density Real Gas	1.3733
Compressibility Factor	0.9864

Comments: H2S Field Content 6 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.