

EXHIBIT (5)C-2



Certificate of Analysis

Number: 2500-21100050-001A

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

David Boyer
D90 Energy LLC
277 JCR 28
Coalmont, CO 80430

Oct. 12, 2021

Station Name: Mutual 0780 2-8H
Station Number: CO 040024
Cylinder No: W505
Instrument: 2500_GC3 (Agilent G1540A)
Last Inst. Cal.: 09/10/2020 10:46 AM
Analyzed: 10/08/2021 07:26:49 by RHJ

Sampled By: Don Rogers
Sample Of: Gas Spot
Sample Date: 10/04/2021 12:45
Sample Conditions: 86.09 psia, @ 86.01 °F
Effective Date: 10/04/2021 12:45
Method: GPA 2286

Analytical Data

Components	Mol. %	GPM at 14.73 psia	Wt. %
Hydrogen Sulfide	0.0004		0.0006
Nitrogen	0.8072		0.9766
Carbon Dioxide	2.5971		4.9361
Methane	72.5599		50.2715
Ethane	10.1988	2.7385	13.2441
Propane	9.0027	2.4902	17.1444
Iso-Butane	0.8444	0.2774	2.1195
n-Butane	2.5704	0.8136	6.4520
Iso-Pentane	0.4546	0.1669	1.4165
n-Pentane	0.4575	0.1665	1.4255
i-Hexanes	0.1508	0.0625	0.5604
n-Hexane	0.0790	0.0327	0.2949
Benzene	0.0093	0.0026	0.0313
Cyclohexane	0.0254	0.0086	0.0922
i-Heptanes	0.1300	0.0513	0.5126
n-Heptane	0.0188	0.0087	0.0812
Toluene	0.0075	0.0025	0.0296
i-Octanes	0.0529	0.0241	0.2437
n-Octane	0.0079	0.0041	0.0390
2,2,4-Trimethylpentane	0.0013	0.0007	0.0062
Ethylbenzene	0.0050	0.0019	0.0229
Xylenes	0.0052	0.0020	0.0237
i-Nonanes	0.0086	0.0047	0.0473
n-Nonane	0.0021	0.0012	0.0115
Decane Plus	0.0032	0.0016	0.0167
	100.0000	6.8623	100.0000

Calculated Physical Properties	Total	C10+
Calculated Molecular Weight	23.16	126.00
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1321.6	6734.0
Water Sat. Gas Base BTU	1298.6	6588.5
Relative Density Real Gas	0.8026	4.3504
Compressibility Factor	0.9957	

Comments: H2S Field Content 3.5 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.