

EXHIBIT (5)C-3



Certificate of Analysis

Number: 2500-21100050-008A

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 3-8H
Station Number: CO 04R0025
Cylinder No: 3013
Instrument: 2500_GC3 (Agilent G1540A)
Last Inst. Cal.: 09/10/2020 10:46 AM
Analyzed: 10/08/2021 12:34:14 by RHJ

Sampled By: Don Rogers
Sample Of: Gas Spot
Sample Date: 10/04/2021 12:55
Sample Conditions: 93.17 psia, @ 85.31 °F
Effective Date: 10/04/2021 12:55
Method: GPA 2286

Analytical Data

Components	Mol. %	GPM at 14.73 psia	Wt. %
Hydrogen Sulfide	0.0002		0.0003
Nitrogen	1.0987		1.3508
Carbon Dioxide	2.4057		4.6467
Methane	75.9472		53.4741
Ethane	7.5595	2.0295	9.9764
Propane	7.2574	2.0071	14.0455
Iso-Butane	0.8247	0.2709	2.1038
n-Butane	2.8605	0.9053	7.2970
Iso-Pentane	0.6295	0.2311	1.9934
n-Pentane	0.6987	0.2543	2.2125
i-Hexanes	0.2183	0.0906	0.8251
n-Hexane	0.1157	0.0479	0.4383
Benzene	0.0137	0.0039	0.0472
Cyclohexane	0.0347	0.0118	0.1284
i-Heptanes	0.1748	0.0692	0.7004
n-Heptane	0.0280	0.0129	0.1233
Toluene	0.0109	0.0037	0.0440
i-Octanes	0.0738	0.0335	0.3445
n-Octane	0.0103	0.0053	0.0515
2,2,4-Trimethylpentane	0.0017	0.0009	0.0081
Ethylbenzene	0.0065	0.0025	0.0302
Xylenes	0.0061	0.0023	0.0279
i-Nonanes	0.0115	0.0060	0.0621
n-Nonane	0.0031	0.0017	0.0173
Decane Plus	0.0088	0.0046	0.0512
	100.0000	5.9950	100.0000

Calculated Physical Properties	Total	C10+
Calculated Molecular Weight	22.78	132.17
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1300.8	7009.4
Water Sat. Gas Base BTU	1278.2	6859.2
Relative Density Real Gas	0.7896	4.5635
Compressibility Factor	0.9959	

Comments: H2S Field Content 1.5 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.