



No Results Available
Number: 5030-21120362-001A

Midland Laboratory
2200 East I-20
Midland, TX 79706
Phone 432-689-7252

Travis Hutchinson
Franklin Mountain Energy, LLC
2401 East 2nd Avenue
Suite 300
Denver, CO 80206

Dec. 22, 2021

Station Name: JUDGE BAYLOR FED COM 701H
Method: GPA 2286
Cylinder No: 5030-03316

Sampled By: MICHAEL M
Sample Of: Gas Spot
Sample Date: 12/06/2021
Sample Conditions: 76 psig, @ 102 °F

The above-mentioned sample could not be analyzed properly by our laboratory personnel due to:

Sample ran out during purge to GC and valves were in good working condition.

We regret that an analysis could not be performed and recommend that another sample be collected, if appropriate. Please contact us if we can be of any assistance in this matter.

A handwritten signature in blue ink, likely belonging to the Hydrocarbon Laboratory Manager.

Hydrocarbon Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.



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Dec. 22, 2021

Station Name: JUDGE BAYLOR FED COM 701H
Sample Conditions: 76 psig, @ 102 °F
Cylinder No: 5030-03316

Sampled By: MICHAEL M
Sample Of: Gas Spot
Sample Date: 12/06/2021

Analytical Data

Test	Method	Result	Units	Detection Limit	Lab Tech.	Analysis Date
Hydrogen Sulfide	ASTM D-4810	NA				

Comments:

AS-H2SLST: NA = No Results Available: Sample ran out during purge to GC and valves were in good working condition.

Hydrocarbon Laboratory Manager

Quality Assurance:

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Dec. 22, 2021

Station Name: PAUL FOSTER CTB UPSTREAM VALKYRIE
Method: GPA 2286
Cylinder No: 5030-02460
Analyzed: 12/17/2021 13:03:38 by MGN

Sampled By: MICHAEL M
Sample Of: Gas Spot
Sample Date: 12/06/2021 14:50
Sample Conditions: 78 psig

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.020	0.028		GPM TOTAL C2+
Nitrogen	1.294	1.481		GPM TOTAL C3+
Carbon Dioxide	0.517	0.930		GPM TOTAL IC5+
Methane	68.776	45.094		
Ethane	13.436	16.511	3.602	
Propane	8.623	15.540	2.381	
Iso-butane	1.138	2.703	0.373	
n-Butane	3.186	7.568	1.007	
Iso-pentane	0.794	2.341	0.291	
n-Pentane	0.848	2.500	0.308	
Hexanes Plus	1.368	5.304	0.567	
	100.000	100.000	8.529	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8484	3.2490
Calculated Molecular Weight	24.47	94.10
Compressibility Factor	0.9950	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1433	5056
Water Sat. Gas Base BTU	1408	4968

Comments: H2S Field Content 200 ppm

Data reviewed by: Raymond Bradford, Laboratory Manager

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Sample Date: 12/06/2021 14:50
Sample Conditions: 78 psig

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.020	0.028		GPM TOTAL C2+
Nitrogen	1.294	1.481		GPM TOTAL C3+
Methane	68.776	45.094		GPM TOTAL IC5+
Carbon Dioxide	0.517	0.930		
Ethane	13.436	16.511	3.602	
Propane	8.623	15.540	2.381	
Iso-Butane	1.138	2.703	0.373	
n-Butane	3.186	7.568	1.007	
Iso-Pentane	0.794	2.341	0.291	
n-Pentane	0.848	2.500	0.308	
Hexanes	0.506	1.754	0.204	
Heptanes Plus	0.862	3.550	0.363	
	100.000	100.000	8.529	

Calculated Physical Properties	Total	C7+
Relative Density Real Gas	0.8484	3.4300
Calculated Molecular Weight	24.47	99.34
Compressibility Factor	0.9950	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1432.5	5272.0
Water Sat. Gas Base BTU	1407.5	5180.0

Comments: H2S Field Content 200 ppm

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Method: GPA 2286
Cylinder No: 5030-02460
Analyzed: 12/17/2021 13:03:38 by MGN

Sampled By: MICHAEL M
Sample Of: Gas Spot
Sample Date: 12/06/2021 14:50
Sample Conditions: 78 psig

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.020	0.028		GPM TOTAL C2+ 8.529
Nitrogen	1.294	1.481		
Carbon Dioxide	0.517	0.930		
Methane	68.776	45.094		
Ethane	13.436	16.511	3.602	
Propane	8.623	15.540	2.381	
Iso-Butane	1.138	2.703	0.373	
n-Butane	3.186	7.568	1.007	
Iso-Pentane	0.794	2.341	0.291	
n-Pentane	0.848	2.500	0.308	
i-Hexanes	0.319	1.091	0.127	
n-Hexane	0.187	0.663	0.077	
Benzene	0.061	0.195	0.017	
Cyclohexane	0.123	0.423	0.042	
i-Heptanes	0.204	0.835	0.089	
n-Heptane	0.084	0.347	0.039	
Toluene	0.029	0.110	0.010	
i-Octanes	0.274	1.178	0.120	
n-Octane	0.031	0.142	0.016	
Ethylbenzene	0.012	0.049	0.005	
Xylenes	0.004	0.016	0.002	
i-Nonanes	0.022	0.130	0.012	
n-Nonane	0.005	0.025	0.003	
Decane Plus	0.013	0.100	0.008	
	100.000	100.000	8.529	

Calculated Physical Properties

Relative Density Real Gas	0.8484	C10+ 4.6226
Calculated Molecular Weight	24.47	133.88
Compressibility Factor	0.9950	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1432.5	7055.5
Water Sat. Gas Base BTU	1407.5	6898.1

Comments: H2S Field Content 200 ppm

Data reviewed by: Raymond Bradford, Laboratory Manager

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Dec. 22, 2021

Station Name: KASTON 703H
Method: GPA 2286
Cylinder No: 5030-01181
Analyzed: 12/17/2021 12:33:37 by MGN

Sampled By: MICHAEL M
Sample Of: Gas Spot
Sample Date: 12/06/2021 11:56
Sample Conditions: 81 psig, @ 100.5 °F

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.010	0.015		GPM TOTAL C2+ 6.970
Nitrogen	1.388	1.727		GPM TOTAL C3+ 3.541
Carbon Dioxide	0.404	0.790		GPM TOTAL IC5+ 0.727
Methane	73.746	52.544		
Ethane	12.801	17.096	3.429	
Propane	6.837	13.390	1.887	
Iso-butane	0.791	2.042	0.259	
n-Butane	2.115	5.460	0.668	
Iso-pentane	0.493	1.580	0.181	
n-Pentane	0.518	1.660	0.188	
Hexanes Plus	0.897	3.696	0.358	
	100.000	100.000	6.970	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7798	3.1446
Calculated Molecular Weight	22.52	91.08
Compressibility Factor	0.9959	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1328	4879
Water Sat. Gas Base BTU	1305	4794

Comments: H2S Field Content 100 ppm

Data reviewed by: Raymond Bradford, Laboratory Manager

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Cylinder No: 5030-01181
Analyzed: 12/17/2021 12:33:37 by MGN

Sampled By: MICHAEL M
Sample Of: Gas Spot
Sample Date: 12/06/2021 11:56
Sample Conditions: 81 psig, @ 100.5 °F

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.010	0.015		GPM TOTAL C2+ 6.9700
Nitrogen	1.388	1.727		GPM TOTAL C3+ 3.5410
Methane	73.746	52.544		GPM TOTAL IC5+ 0.7270
Carbon Dioxide	0.404	0.790		
Ethane	12.801	17.096	3.429	
Propane	6.837	13.390	1.887	
Iso-Butane	0.791	2.042	0.259	
n-Butane	2.115	5.460	0.668	
Iso-Pentane	0.493	1.580	0.181	
n-Pentane	0.518	1.660	0.188	
Hexanes	0.365	1.396	0.149	
Heptanes Plus	0.532	2.300	0.209	
	100.000	100.000	6.970	

Calculated Physical Properties	Total	C7+
Relative Density Real Gas	0.7798	3.2875
Calculated Molecular Weight	22.52	95.21
Compressibility Factor	0.9959	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1327.9	5012.5
Water Sat. Gas Base BTU	1304.7	4925.0

Comments: H2S Field Content 100 ppm

Data reviewed by: Raymond Bradford, Laboratory Manager

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Sample Of: Gas Spot
Sample Date: 12/06/2021 11:56
Sample Conditions: 81 psig, @ 100.5 °F

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.010	0.015		
Nitrogen	1.388	1.727		
Carbon Dioxide	0.404	0.790		
Methane	73.746	52.544		
Ethane	12.801	17.096	3.429	
Propane	6.837	13.390	1.887	
Iso-Butane	0.791	2.042	0.259	
n-Butane	2.115	5.460	0.668	
Iso-Pentane	0.493	1.580	0.181	
n-Pentane	0.518	1.660	0.188	
i-Hexanes	0.227	0.869	0.092	
n-Hexane	0.138	0.527	0.057	
Benzene	0.055	0.191	0.015	
Cyclohexane	0.074	0.281	0.026	
i-Heptanes	0.166	0.690	0.067	
n-Heptane	0.042	0.185	0.019	
Toluene	0.043	0.179	0.015	
i-Octanes	0.099	0.461	0.043	
n-Octane	0.012	0.060	0.006	
Ethylbenzene	0.004	0.020	0.002	
Xylenes	0.009	0.043	0.004	
i-Nonanes	0.016	0.105	0.007	
n-Nonane	0.004	0.023	0.002	
Decane Plus	0.008	0.062	0.003	
	100.000	100.000	6.970	

Calculated Physical Properties

	Total	C10+
Relative Density Real Gas	0.7798	4.2891
Calculated Molecular Weight	22.52	124.22
Compressibility Factor	0.9959	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1327.9	6466.1
Water Sat. Gas Base BTU	1304.7	6327.1

Comments: H2S Field Content 100 ppm

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Dec. 22, 2021

Station Name: BUS DRIVER FED COM 702H
Method: GPA 2286
Cylinder No: 5030-02851
Analyzed: 12/17/2021 13:32:49 by MGN

Sampled By: MICHAEL M
Sample Of: Gas Spot
Sample Date: 12/06/2021 12:56
Sample Conditions: 93 psig, @ 118 °F

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.010	0.015		GPM TOTAL C2+
Nitrogen	1.395	1.685		GPM TOTAL C3+
Carbon Dioxide	0.396	0.752		GPM TOTAL IC5+
Methane	72.026	49.829		
Ethane	13.061	16.937	3.499	
Propane	7.401	14.074	2.043	
Iso-butane	0.883	2.213	0.289	
n-Butane	2.444	6.126	0.772	
Iso-pentane	0.588	1.830	0.215	
n-Pentane	0.636	1.979	0.231	
Hexanes Plus	1.160	4.560	0.461	
	100.000	100.000	7.510	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8036	3.1217
Calculated Molecular Weight	23.19	90.41
Compressibility Factor	0.9956	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1365	4845
Water Sat. Gas Base BTU	1341	4761

Comments: H2S Field Content 100 ppm

Data reviewed by: Raymond Bradford, Laboratory Manager

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Cylinder No: 5030-02851
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Sampled By: MICHAEL M
Sample Of: Gas Spot
Sample Date: 12/06/2021 12:56
Sample Conditions: 93 psig, @ 118 °F

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia		
Hydrogen Sulfide	0.010	0.015		GPM TOTAL C2+	7.5100
Nitrogen	1.395	1.685		GPM TOTAL C3+	4.0110
Methane	72.026	49.829		GPM TOTAL IC5+	0.9070
Carbon Dioxide	0.396	0.752			
Ethane	13.061	16.937	3.499		
Propane	7.401	14.074	2.043		
Iso-Butane	0.883	2.213	0.289		
n-Butane	2.444	6.126	0.772		
Iso-Pentane	0.588	1.830	0.215		
n-Pentane	0.636	1.979	0.231		
Hexanes	0.493	1.812	0.199		
Heptanes Plus	0.667	2.748	0.262		
	100.000	100.000	7.510		

Calculated Physical Properties	Total	C7+
Relative Density Real Gas	0.8036	3.2549
Calculated Molecular Weight	23.19	94.27
Compressibility Factor	0.9956	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1364.6	4959.6
Water Sat. Gas Base BTU	1340.8	4873.1

Comments: H2S Field Content 100 ppm

Data reviewed by: Raymond Bradford, Laboratory Manager

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Sample Date: 12/06/2021 12:56
Sample Conditions: 93 psig, @ 118 °F

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.010	0.015		
Nitrogen	1.395	1.685		
Carbon Dioxide	0.396	0.752		
Methane	72.026	49.829		
Ethane	13.061	16.937	3.499	
Propane	7.401	14.074	2.043	
Iso-Butane	0.883	2.213	0.289	
n-Butane	2.444	6.126	0.772	
Iso-Pentane	0.588	1.830	0.215	
n-Pentane	0.636	1.979	0.231	
i-Hexanes	0.308	1.123	0.123	
n-Hexane	0.185	0.689	0.076	
Benzene	0.077	0.261	0.022	
Cyclohexane	0.104	0.376	0.035	
i-Heptanes	0.215	0.860	0.087	
n-Heptane	0.051	0.221	0.023	
Toluene	0.053	0.212	0.018	
i-Octanes	0.119	0.540	0.053	
n-Octane	0.013	0.065	0.007	
Ethylbenzene	0.004	0.018	0.002	
Xylenes	0.008	0.034	0.003	
i-Nonanes	0.012	0.089	0.006	
n-Nonane	0.003	0.016	0.002	
Decane Plus	0.008	0.056	0.004	
	100.000	100.000	7.510	

Calculated Physical Properties

	Total	C10+
Relative Density Real Gas	0.8036	4.2891
Calculated Molecular Weight	23.19	124.22
Compressibility Factor	0.9956	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1364.6	6468.0
Water Sat. Gas Base BTU	1340.8	6327.1

Comments: H2S Field Content 100 ppm

Data reviewed by: Raymond Bradford, Laboratory Manager

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Station Name: KASTON 603H
Method: GPA 2286
Cylinder No: 5030-00999
Analyzed: 12/17/2021 12:33:45 by MGN

Sampled By: MICHAEL M
Sample Of: Gas Spot
Sample Date: 12/06/2021 11:30
Sample Conditions: 93 psig, @ 95 °F

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia		
Hydrogen Sulfide	0.080	0.118		GPM TOTAL C2+	7.013
Nitrogen	1.373	1.671		GPM TOTAL C3+	3.789
Carbon Dioxide	1.098	2.099		GPM TOTAL IC5+	0.891
Methane	73.118	50.963			
Ethane	12.034	15.721	3.224		
Propane	6.808	13.043	1.879		
Iso-butane	0.867	2.189	0.284		
n-Butane	2.328	5.879	0.735		
Iso-pentane	0.588	1.843	0.215		
n-Pentane	0.626	1.962	0.227		
Hexanes Plus	1.080	4.512	0.449		
	100.000	100.000	7.013		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7977	3.3083
Calculated Molecular Weight	23.02	95.82
Compressibility Factor	0.9957	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1337	5130
Water Sat. Gas Base BTU	1314	5041

Comments: H2S Field Content 800 ppm

Data reviewed by: Raymond Bradford, Laboratory Manager

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Method: GPA 2286
Cylinder No: 5030-00999
Analyzed: 12/17/2021 12:33:45 by MGN

Sampled By: MICHAEL M
Sample Of: Gas Spot
Sample Date: 12/06/2021 11:30
Sample Conditions: 93 psig, @ 95 °F

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia		
Hydrogen Sulfide	0.080	0.118		GPM TOTAL C2+	7.0130
Nitrogen	1.373	1.671		GPM TOTAL C3+	3.7890
Methane	73.118	50.963		GPM TOTAL IC5+	0.8910
Carbon Dioxide	1.098	2.099			
Ethane	12.034	15.721	3.224		
Propane	6.808	13.043	1.879		
Iso-Butane	0.867	2.189	0.284		
n-Butane	2.328	5.879	0.735		
Iso-Pentane	0.588	1.843	0.215		
n-Pentane	0.626	1.962	0.227		
Hexanes	0.312	1.145	0.126		
Heptanes Plus	0.768	3.367	0.323		
	100.000	100.000	7.013		

Calculated Physical Properties	Total	C7+
Relative Density Real Gas	0.7977	3.4562
Calculated Molecular Weight	23.02	100.10
Compressibility Factor	0.9957	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1337.1	5307.9
Water Sat. Gas Base BTU	1313.8	5215.3

Comments: H2S Field Content 800 ppm

Data reviewed by: Raymond Bradford, Laboratory Manager

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Midland Laboratory

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Midland, TX 79706

Phone 432-689-7252

Travis Hutchinson
Franklin Mountain Energy, LLC
2401 East 2nd Avenue
Suite 300
Denver, CO 80206

Dec. 22, 2021

Station Name: KASTON 603H
Method: GPA 2286
Cylinder No: 5030-00999
Analyzed: 12/17/2021 12:33:45 by MGN

Sampled By: MICHAEL M
Sample Of: Gas Spot
Sample Date: 12/06/2021 11:30
Sample Conditions: 93 psig, @ 95 °F

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.080	0.118		
Nitrogen	1.373	1.671		
Carbon Dioxide	1.098	2.099		
Methane	73.118	50.963		
Ethane	12.034	15.721	3.224	
Propane	6.808	13.043	1.879	
Iso-Butane	0.867	2.189	0.284	
n-Butane	2.328	5.879	0.735	
Iso-Pentane	0.588	1.843	0.215	
n-Pentane	0.626	1.962	0.227	
i-Hexanes	0.195	0.708	0.078	
n-Hexane	0.117	0.437	0.048	
Benzene	0.044	0.148	0.012	
Cyclohexane	0.088	0.324	0.030	
i-Heptanes	0.208	0.849	0.086	
n-Heptane	0.062	0.272	0.029	
Toluene	0.028	0.110	0.009	
i-Octanes	0.214	0.993	0.096	
n-Octane	0.035	0.177	0.018	
Ethylbenzene	0.017	0.078	0.006	
Xylenes	0.011	0.055	0.004	
i-Nonanes	0.030	0.170	0.015	
n-Nonane	0.006	0.035	0.004	
Decane Plus	0.025	0.156	0.014	
	100.000	100.000	7.013	

Calculated Physical Properties

Relative Density Real Gas	0.7977	C10+ 4.7131
Calculated Molecular Weight	23.02	136.50
Compressibility Factor	0.9957	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1337.1	7214.2
Water Sat. Gas Base BTU	1313.8	7058.1

Comments: H2S Field Content 800 ppm

Data reviewed by: Raymond Bradford, Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.



Certificate of Analysis

Number: 5030-21120362-006A

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Travis Hutchinson
Franklin Mountain Energy, LLC
2401 East 2nd Avenue
Suite 300
Denver, CO 80206

Dec. 22, 2021

Station Name: BUS DRIVER FED COM 602H
Method: GPA 2286
Cylinder No: 5030-03470
Analyzed: 12/17/2021 13:32:39 by MGN

Sampled By: MICHAEL M
Sample Of: Gas Spot
Sample Date: 12/06/2021 12:30
Sample Conditions: 76 psig, @ 76 °F

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.030	0.044		GPM TOTAL C2+ 7.193
Nitrogen	1.382	1.681		GPM TOTAL C3+ 3.849
Carbon Dioxide	0.732	1.399		GPM TOTAL IC5+ 0.888
Methane	72.853	50.749		
Ethane	12.481	16.295	3.344	
Propane	7.002	13.406	1.932	
Iso-butane	0.879	2.218	0.288	
n-Butane	2.345	5.918	0.741	
Iso-pentane	0.580	1.817	0.212	
n-Pentane	0.613	1.920	0.223	
Hexanes Plus	1.103	4.553	0.453	
	100.000	100.000	7.193	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7982	3.2711
Calculated Molecular Weight	23.03	94.74
Compressibility Factor	0.9957	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1348	5064
Water Sat. Gas Base BTU	1324	4975

Comments: H2S Field Content 300 ppm

Data reviewed by: Raymond Bradford, Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.



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Dec. 22, 2021

Station Name: BUS DRIVER FED COM 602H
Method: GPA 2286
Cylinder No: 5030-03470
Analyzed: 12/17/2021 13:32:39 by MGN

Sampled By: MICHAEL M
Sample Of: Gas Spot
Sample Date: 12/06/2021 12:30
Sample Conditions: 76 psig, @ 76 °F

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.030	0.044		GPM TOTAL C2+
Nitrogen	1.382	1.681		GPM TOTAL C3+
Methane	72.853	50.749		GPM TOTAL IC5+
Carbon Dioxide	0.732	1.399		
Ethane	12.481	16.295	3.344	
Propane	7.002	13.406	1.932	
Iso-Butane	0.879	2.218	0.288	
n-Butane	2.345	5.918	0.741	
Iso-Pentane	0.580	1.817	0.212	
n-Pentane	0.613	1.920	0.223	
Hexanes	0.381	1.398	0.153	
Heptanes Plus	0.722	3.155	0.300	
	100.000	100.000	7.193	

Calculated Physical Properties	Total	C7+
Relative Density Real Gas	0.7982	3.4424
Calculated Molecular Weight	23.03	99.70
Compressibility Factor	0.9957	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1347.6	5256.7
Water Sat. Gas Base BTU	1324.1	5165.0

Comments: H2S Field Content 300 ppm

Data reviewed by: Raymond Bradford, Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.



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Dec. 22, 2021

Station Name: BUS DRIVER FED COM 602H
Method: GPA 2286
Cylinder No: 5030-03470
Analyzed: 12/17/2021 13:32:39 by MGN

Sampled By: MICHAEL M
Sample Of: Gas Spot
Sample Date: 12/06/2021 12:30
Sample Conditions: 76 psig, @ 76 °F

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.030	0.044		GPM TOTAL C2+ 7.193
Nitrogen	1.382	1.681		
Carbon Dioxide	0.732	1.399		
Methane	72.853	50.749		
Ethane	12.481	16.295	3.344	
Propane	7.002	13.406	1.932	
Iso-Butane	0.879	2.218	0.288	
n-Butane	2.345	5.918	0.741	
Iso-Pentane	0.580	1.817	0.212	
n-Pentane	0.613	1.920	0.223	
i-Hexanes	0.231	0.843	0.092	
n-Hexane	0.150	0.555	0.061	
Benzene	0.067	0.226	0.019	
Cyclohexane	0.107	0.393	0.036	
i-Heptanes	0.119	0.508	0.052	
n-Heptane	0.057	0.248	0.026	
Toluene	0.055	0.217	0.018	
i-Octanes	0.206	0.964	0.094	
n-Octane	0.034	0.168	0.017	
Ethylbenzene	0.015	0.066	0.006	
Xylenes	0.010	0.049	0.004	
i-Nonanes	0.026	0.148	0.013	
n-Nonane	0.007	0.039	0.004	
Decane Plus	0.019	0.129	0.011	
	100.000	100.000	7.193	

Calculated Physical Properties

	Total	C10+
Relative Density Real Gas	0.7982	4.6316
Calculated Molecular Weight	23.03	134.14
Compressibility Factor	0.9957	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1347.6	7090.2
Water Sat. Gas Base BTU	1324.1	6936.5

Comments: H2S Field Content 300 ppm

Data reviewed by: Raymond Bradford, Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.



Certificate of Analysis

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Dec. 22, 2021

Station Name: PAUL FOSTER CTB SALES LINE

Method: GPA 2286

Cylinder No: 5030-01835

Analyzed: 12/17/2021 13:03:33 by MGN

Sampled By: MICHAEL M

Sample Of: Gas Spot

Sample Date: 12/06/2021 14:38

Sample Conditions: 39 psig

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia		
Hydrogen Sulfide	0.000	0.000		GPM TOTAL C2+	8.829
Nitrogen	1.298	1.456		GPM TOTAL C3+	5.213
Carbon Dioxide	0.558	0.984		GPM TOTAL IC5+	1.385
Methane	67.876	43.611			
Ethane	13.486	16.240	3.616		
Propane	8.725	15.408	2.410		
Iso-butane	1.163	2.707	0.382		
n-Butane	3.277	7.628	1.036		
Iso-pentane	0.832	2.404	0.305		
n-Pentane	0.903	2.609	0.328		
Hexanes Plus	1.882	6.953	0.752		
	100.000	100.000	8.829		

Calculated Physical Properties

Relative Density Real Gas	0.8656	C6+	3.1460
Calculated Molecular Weight	24.97		91.12
Compressibility Factor	0.9948		

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1457	4877
Water Sat. Gas Base BTU	1432	4792

Comments: H2S Field Content 0 ppm

Data reviewed by: Raymond Bradford, Laboratory Manager

Quality Assurance:

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Dec. 22, 2021

Station Name: PAUL FOSTER CTB SALES LINE

Method: GPA 2286

Cylinder No: 5030-01835

Analyzed: 12/17/2021 13:03:33 by MGN

Sampled By: MICHAEL M

Sample Of: Gas Spot

Sample Date: 12/06/2021 14:38

Sample Conditions: 39 psig

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.000	0.000		GPM TOTAL C2+ 8.8290
Nitrogen	1.298	1.456		GPM TOTAL C3+ 5.2130
Methane	67.876	43.611		GPM TOTAL IC5+ 1.3850
Carbon Dioxide	0.558	0.984		
Ethane	13.486	16.240	3.616	
Propane	8.725	15.408	2.410	
Iso-Butane	1.163	2.707	0.382	
n-Butane	3.277	7.628	1.036	
Iso-Pentane	0.832	2.404	0.305	
n-Pentane	0.903	2.609	0.328	
Hexanes	0.728	2.502	0.297	
Heptanes Plus	1.154	4.451	0.455	
	100.000	100.000	8.829	

Calculated Physical Properties

	Total	C7+
Relative Density Real Gas	0.8656	3.2765
Calculated Molecular Weight	24.97	94.90
Compressibility Factor	0.9948	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1457.3	4995.3
Water Sat. Gas Base BTU	1431.9	4908.2

Comments: H2S Field Content 0 ppm

Data reviewed by: Raymond Bradford, Laboratory Manager

Quality Assurance:

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Dec. 22, 2021

Station Name: PAUL FOSTER CTB SALES LINE

Method: GPA 2286

Cylinder No: 5030-01835

Analyzed: 12/17/2021 13:03:33 by MGN

Sampled By: MICHAEL M

Sample Of: Gas Spot

Sample Date: 12/06/2021 14:38

Sample Conditions: 39 psig

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.000	0.000		GPM TOTAL C2+ 8.829
Nitrogen	1.298	1.456		
Carbon Dioxide	0.558	0.984		
Methane	67.876	43.611		
Ethane	13.486	16.240	3.616	
Propane	8.725	15.408	2.410	
Iso-Butane	1.163	2.707	0.382	
n-Butane	3.277	7.628	1.036	
Iso-Pentane	0.832	2.404	0.305	
n-Pentane	0.903	2.609	0.328	
i-Hexanes	0.449	1.535	0.181	
n-Hexane	0.279	0.967	0.116	
Benzene	0.114	0.358	0.032	
Cyclohexane	0.169	0.576	0.058	
i-Heptanes	0.351	1.319	0.143	
n-Heptane	0.096	0.388	0.045	
Toluene	0.105	0.388	0.036	
i-Octanes	0.231	0.966	0.100	
n-Octane	0.023	0.103	0.012	
Ethylbenzene	0.007	0.032	0.003	
Xylenes	0.014	0.066	0.005	
i-Nonanes	0.021	0.125	0.010	
n-Nonane	0.005	0.026	0.003	
Decane Plus	0.018	0.104	0.008	
	100.000	100.000	8.829	

Calculated Physical Properties

	Total	C10+
Relative Density Real Gas	0.8656	4.4428
Calculated Molecular Weight	24.97	128.67
Compressibility Factor	0.9948	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1457.3	6697.1
Water Sat. Gas Base BTU	1431.9	6546.0

Comments: H2S Field Content 0 ppm

Data reviewed by: Raymond Bradford, Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.



Certificate of Analysis

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2401 East 2nd Avenue
Suite 300
Denver, CO 80206

Dec. 22, 2021

Station Name: PAUL FOSTER CTB VRU DISCHARGE

Method: GPA 2286

Cylinder No: 1111-002507

Analyzed: 12/17/2021 12:33:45 by MGN

Sampled By: MICHAEL M

Sample Of: Gas Spot

Sample Date: 12/06/2021 15:00

Sample Conditions: 70 psig

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.020	0.017		GPM TOTAL C2+ 24.768
Nitrogen	0.055	0.038		GPM TOTAL C3+ 17.750
Carbon Dioxide	0.435	0.474		GPM TOTAL IC5+ 1.572
Methane	14.297	5.684		
Ethane	25.918	19.312	7.018	
Propane	36.184	39.538	10.093	
Iso-butane	5.166	7.441	1.712	
n-Butane	13.701	19.734	4.373	
Iso-pentane	2.002	3.579	0.741	
n-Pentane	1.657	2.963	0.608	
Hexanes Plus	0.565	1.220	0.223	
	100.000	100.000	24.768	

Calculated Physical Properties

Relative Density Real Gas	1.4136	2.9783
Calculated Molecular Weight	40.35	86.26
Compressibility Factor	0.9852	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	2336	4658
Water Sat. Gas Base BTU	2295	4577

Comments: H2S Field Content 200 ppm

Data reviewed by: Raymond Bradford, Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.



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Dec. 22, 2021

Station Name: PAUL FOSTER CTB VRU DISCHARGE

Method: GPA 2286

Cylinder No: 1111-002507

Analyzed: 12/17/2021 12:33:45 by MGN

Sampled By: MICHAEL M

Sample Of: Gas Spot

Sample Date: 12/06/2021 15:00

Sample Conditions: 70 psig

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.020	0.017		GPM TOTAL C2+
Nitrogen	0.055	0.038		GPM TOTAL C3+
Methane	14.297	5.684		GPM TOTAL IC5+
Carbon Dioxide	0.435	0.474		
Ethane	25.918	19.312	7.018	
Propane	36.184	39.538	10.093	
Iso-Butane	5.166	7.441	1.712	
n-Butane	13.701	19.734	4.373	
Iso-Pentane	2.002	3.579	0.741	
n-Pentane	1.657	2.963	0.608	
Hexanes	0.349	0.748	0.144	
Heptanes Plus	0.216	0.472	0.079	
	100.000	100.000	24.768	

Calculated Physical Properties

	Total	C7+
Relative Density Real Gas	1.4136	3.0599
Calculated Molecular Weight	40.35	88.62
Compressibility Factor	0.9852	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	2336.1	4641.0
Water Sat. Gas Base BTU	2295.3	4560.0

Comments: H2S Field Content 200 ppm

Data reviewed by: Raymond Bradford, Laboratory Manager

Quality Assurance:

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Dec. 22, 2021

Station Name: PAUL FOSTER CTB VRU DISCHARGE

Method: GPA 2286

Cylinder No: 1111-002507

Analyzed: 12/17/2021 12:33:45 by MGN

Sampled By: MICHAEL M

Sample Of: Gas Spot

Sample Date: 12/06/2021 15:00

Sample Conditions: 70 psig

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.020	0.017		
Nitrogen	0.055	0.038		
Carbon Dioxide	0.435	0.474		
Methane	14.297	5.684		
Ethane	25.918	19.312	7.018	
Propane	36.184	39.538	10.093	
Iso-Butane	5.166	7.441	1.712	
n-Butane	13.701	19.734	4.373	
Iso-Pentane	2.002	3.579	0.741	
n-Pentane	1.657	2.963	0.608	
i-Hexanes	0.240	0.510	0.098	
n-Hexane	0.109	0.238	0.046	
Benzene	0.040	0.080	0.012	
Cyclohexane	0.045	0.096	0.016	
i-Heptanes	0.084	0.192	0.034	
n-Heptane	0.010	0.025	0.005	
Toluene	0.009	0.020	0.003	
i-Octanes	0.022	0.050	0.008	
n-Octane	0.001	0.003	0.001	
Ethylbenzene	0.001	0.001	0.000	
Xylenes	0.002	0.003	0.000	
i-Nonanes	0.001	0.001	0.000	
n-Nonane	0.001	0.001	0.000	
Decane Plus	0.000	0.000	0.000	
	100.000	100.000	24.768	
				GPM TOTAL C2+ 24.768

Calculated Physical Properties

Total

Relative Density Real Gas 1.4136

Calculated Molecular Weight 40.35

Compressibility Factor 0.9852

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU 2336.1

Water Sat. Gas Base BTU 2295.3

Comments: H₂S Field Content 200 ppm

Data reviewed by: Raymond Bradford, Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.



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Dec. 22, 2021

Station Name: JUDGE BAYLOR FED COM 601H

Method: GPA 2286

Cylinder No: 5030-03650

Analyzed: 12/17/2021 17:07:46 by ARP

Sampled By: MICHAEL M

Sample Of: Gas Spot

Sample Date: 12/06/2021

Sample Conditions: 89 psig, @ 105 °F

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.030	0.044		GPM TOTAL C2+
Nitrogen	1.932	2.324		GPM TOTAL C3+
Carbon Dioxide	0.708	1.338		GPM TOTAL IC5+
Methane	71.039	48.931		
Ethane	13.192	17.031	3.534	
Propane	7.507	14.213	2.072	
Iso-butane	0.939	2.343	0.308	
n-Butane	2.447	6.106	0.773	
Iso-pentane	0.586	1.815	0.215	
n-Pentane	0.613	1.899	0.223	
Hexanes Plus	1.007	3.956	0.400	
	100.000	100.000	7.525	

Calculated Physical Properties

Relative Density Real Gas	0.8070	3.1189
Calculated Molecular Weight	23.29	90.33
Compressibility Factor	0.9956	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1353	4838
Water Sat. Gas Base BTU	1329	4753

Comments: H2S Field Content 300 ppm

Data reviewed by: Raymond Bradford, Laboratory Manager

Quality Assurance:

The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.



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Dec. 22, 2021

Station Name: JUDGE BAYLOR FED COM 601H

Method: GPA 2286

Cylinder No: 5030-03650

Analyzed: 12/17/2021 17:07:46 by ARP

Sampled By: MICHAEL M

Sample Of: Gas Spot

Sample Date: 12/06/2021

Sample Conditions: 89 psig, @ 105 °F

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia		
Hydrogen Sulfide	0.030	0.044		GPM TOTAL C2+	7.5250
Nitrogen	1.932	2.324		GPM TOTAL C3+	3.9910
Methane	71.039	48.931		GPM TOTAL IC5+	0.8380
Carbon Dioxide	0.708	1.338			
Ethane	13.192	17.031	3.534		
Propane	7.507	14.213	2.072		
Iso-Butane	0.939	2.343	0.308		
n-Butane	2.447	6.106	0.773		
Iso-Pentane	0.586	1.815	0.215		
n-Pentane	0.613	1.899	0.223		
Hexanes	0.411	1.515	0.168		
Heptanes Plus	0.596	2.441	0.232		
	100.000	100.000	7.525		

Calculated Physical Properties

	Total	C7+
Relative Density Real Gas	0.8070	3.2426
Calculated Molecular Weight	23.29	93.91
Compressibility Factor	0.9956	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1353.0	4940.9
Water Sat. Gas Base BTU	1329.4	4854.7

Comments: H2S Field Content 300 ppm

Data reviewed by: Raymond Bradford, Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.



Certificate of Analysis

Number: 5030-21120362-009A

Midland Laboratory

2200 East I-20

Midland, TX 79706

Phone 432-689-7252

Travis Hutchinson
Franklin Mountain Energy, LLC
2401 East 2nd Avenue
Suite 300
Denver, CO 80206

Dec. 22, 2021

Station Name: JUDGE BAYLOR FED COM 601H

Method: GPA 2286

Cylinder No: 5030-03650

Analyzed: 12/17/2021 17:07:46 by ARP

Sampled By: MICHAEL M

Sample Of: Gas Spot

Sample Date: 12/06/2021

Sample Conditions: 89 psig, @ 105 °F

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.030	0.044		GPM TOTAL C2+ 7.525
Nitrogen	1.932	2.324		
Carbon Dioxide	0.708	1.338		
Methane	71.039	48.931		
Ethane	13.192	17.031	3.534	
Propane	7.507	14.213	2.072	
Iso-Butane	0.939	2.343	0.308	
n-Butane	2.447	6.106	0.773	
Iso-Pentane	0.586	1.815	0.215	
n-Pentane	0.613	1.899	0.223	
i-Hexanes	0.255	0.932	0.103	
n-Hexane	0.156	0.583	0.065	
Benzene	0.064	0.213	0.018	
Cyclohexane	0.099	0.359	0.034	
i-Heptanes	0.177	0.717	0.072	
n-Heptane	0.045	0.194	0.021	
Toluene	0.054	0.214	0.018	
i-Octanes	0.117	0.523	0.051	
n-Octane	0.013	0.064	0.007	
Ethylbenzene	0.004	0.017	0.001	
Xylenes	0.007	0.032	0.003	
i-Nonanes	0.014	0.078	0.006	
n-Nonane	0.002	0.009	0.001	
Decane Plus	0.000	0.021	0.000	
	100.000	100.000	7.525	

Calculated Physical Properties

Relative Density Real Gas	Total 0.8070	C10+ 0.0000
Calculated Molecular Weight	23.29	0.00
Compressibility Factor	0.9956	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1353.0	0.000
Water Sat. Gas Base BTU	1329.4	0.000

Comments: H2S Field Content 300 ppm

Data reviewed by: Raymond Bradford, Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

Operator	CTB	Event	Start Time	End Time	Duration (Hr)	Total (MCF)
Franklin Mountain	Paul Foster	50 MCF	12/30/2021 17:20	12/30/2021 18:22	1.03	380.51
Franklin Mountain	Carnival	50 MCF	12/31/2021 19:03	12/31/2021 19:17	0.23	83.62
Franklin Mountain	Carnival	50 MCF	12/31/2021 19:19	12/31/2021 20:06	0.77	169.04
Franklin Mountain	Carnival	50 MCF	1/1/2022 4:10	1/1/2022 4:50	0.65	134.48
Franklin Mountain	Carnival	50 MCF	1/1/2022 4:54	1/1/2022 5:11	0.28	57.71
Franklin Mountain	Carnival	50 MCF	1/1/2022 5:54	1/1/2022 6:30	0.58	88.14
Franklin Mountain	Paul Foster	500 MCF	1/2/2022 0:13	1/2/2022 1:58	1.73	665.3
Franklin Mountain	Carnival	50 MCF	1/2/2022 0:47	1/2/2022 1:36	0.82	133.28
Franklin Mountain	Carnival	50 MCF	1/2/2022 1:38	1/2/2022 2:45	1.12	238.12
Franklin Mountain	Paul Foster	50 MCF	1/2/2022 1:59	1/2/2022 2:55	0.93	361.36
Franklin Mountain	Paul Foster	50 MCF	1/2/2022 3:05	1/2/2022 3:18	0.22	83.62
Franklin Mountain	Carnival	50 MCF	1/2/2022 3:21	1/2/2022 9:14	5.88	333.77
Franklin Mountain	Paul Foster	500 MCF	1/2/2022 3:21	1/2/2022 5:32	2.18	844.95
Franklin Mountain	Paul Foster	50 MCF	1/2/2022 5:36	1/2/2022 6:16	0.67	254.35
Franklin Mountain	Paul Foster	50 MCF	1/2/2022 6:41	1/2/2022 7:35	0.88	342.75
Franklin Mountain	Paul Foster	500 MCF	1/2/2022 7:38	1/2/2022 10:45	3.12	1182.11
Franklin Mountain	Carnival	50 MCF	1/2/2022 16:02	1/2/2022 16:52	0.83	240.79
Franklin Mountain	Paul Foster	50 MCF	1/3/2022 8:39	1/3/2022 9:07	0.45	163.97
Franklin Mountain	Carnival	50 MCF	1/3/2022 15:12	1/3/2022 15:40	0.45	72.81
Franklin Mountain	Carnival	500 MCF	1/3/2022 15:55	1/3/2022 19:16	3.35	677.82
Franklin Mountain	Carnival	50 MCF	1/3/2022 23:21	1/4/2022 0:00	0.63	155.79
Franklin Mountain	Carnival	500 MCF	1/4/2022 0:00	1/4/2022 8:14	8.22	1600.5
Franklin Mountain	Carnival	500 MCF	1/4/2022 8:18	1/4/2022 11:12	2.88	648.95
Franklin Mountain	Carnival	500 MCF	1/4/2022 12:46	1/4/2022 23:33	10.77	2151.71
Franklin Mountain	Carnival	50 MCF	1/4/2022 23:34	1/5/2022 0:00	0.42	105.8
Franklin Mountain	Carnival	50 MCF	1/5/2022 0:00	1/5/2022 0:39	0.65	150.31
Franklin Mountain	Carnival	500 MCF	1/5/2022 0:41	1/5/2022 9:26	8.75	1783.05
Franklin Mountain	Carnival	500 MCF	1/5/2022 10:00	1/5/2022 12:47	2.77	538.27
Franklin Mountain	Carnival	500 MCF	1/5/2022 10:00	1/7/2022 22:45	60.73	538.31
Franklin Mountain	Carnival	50 MCF	1/8/2022 14:19	1/8/2022 14:43	0.4	102.95
Franklin Mountain	Carnival	50 MCF	1/8/2022 14:46	1/8/2022 15:18	0.53	121.66
Franklin Mountain	Carnival	50 MCF	1/8/2022 15:49	1/8/2022 16:13	0.38	60.84
Franklin Mountain	Carnival	50 MCF	1/8/2022 16:35	1/8/2022 17:33	0.95	166.36
Franklin Mountain	Carnival	50 MCF	1/8/2022 17:45	1/8/2022 19:36	1.83	396.9
Franklin Mountain	Carnival	50 MCF	1/10/2022 16:51	1/10/2022 18:35	1.72	366.76
Franklin Mountain	Carnival	50 MCF	1/10/2022 19:00	1/10/2022 19:40	0.65	136.06
Franklin Mountain	Carnival	50 MCF	1/11/2022 0:04	1/11/2022 1:24	1.33	289.36
Franklin Mountain	Carnival	50 MCF	1/11/2022 20:20	1/11/2022 21:54	1.57	348.04
Franklin Mountain	Carnival	50 MCF	1/11/2022 21:58	1/11/2022 22:53	0.92	216.95
Franklin Mountain	Carnival	50 MCF	1/11/2022 22:54	1/12/2022 0:00	1.08	239.18
Franklin Mountain	Carnival	50 MCF	1/12/2022 0:00	1/12/2022 1:56	1.92	328.4
Franklin Mountain	Carnival	50 MCF	1/12/2022 4:14	1/12/2022 6:39	2.42	410.27
Franklin Mountain	Carnival	50 MCF	1/12/2022 6:43	1/12/2022 8:01	1.3	188.32

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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

DEFINITIONS

Action 72253

DEFINITIONS

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 72253
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application: • this application's operator, hereinafter "this operator"; • venting and/or flaring, hereinafter "vent or flare"; • any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms"; • the statements in (and/or attached to) this, hereinafter "the statements in this"; • and the past tense will be used in lieu of mixed past/present tense questions and statements.
--

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QUESTIONS

Action 72253

QUESTIONS

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 72253
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS**Prerequisites**

Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.

Incident Well	Not answered.
Incident Facility	[fAPP2125739207] Paul Foster CTB

Determination of Reporting Requirements

Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.

Was this vent or flare caused by an emergency or malfunction	Yes
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a vent or flare event	Yes, major venting and/or flaring of natural gas.

An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.

Was there at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this vent or flare result in the release of ANY liquids (not fully and/or completely flared) that reached (or has a chance of reaching) the ground, a surface, a watercourse, or otherwise, with reasonable probability, endanger public health, the environment or fresh water	No
Was the vent or flare within an incorporated municipal boundary or withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved

Primary Equipment Involved	Treating Tower
Additional details for Equipment Involved. Please specify	Not answered.

Representative Compositional Analysis of Vented or Flared Natural Gas

Please provide the mole percent for the percentage questions in this group.

Methane (CH4) percentage	69
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	1
Oxygen (O2) percentage, if greater than one percent	0

If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.

Methane (CH4) percentage quality requirement	Not answered.
Nitrogen (N2) percentage quality requirement	Not answered.
Hydrogen Sulfide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (CO2) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 72253

QUESTIONS (continued)

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 72253
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/02/2022
Time vent or flare was discovered or commenced	12:13 AM
Time vent or flare was terminated	01:58 AM
Cumulative hours during this event	2

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Freeze Treating Tower Natural Gas Flared Released: 665 Mcf Recovered: 0 Mcf Lost: 665 Mcf]
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Not answered.
Is this a gas only submission (i.e. only significant Mcf values reported)	Yes, according to supplied volumes this appears to be a "gas only" report.

Venting or Flaring Resulting from Downstream Activity	
Was this vent or flare a result of downstream activity	Yes
Was notification of downstream activity received by this operator	No
Downstream OGRID that should have notified this operator	[371960] LUCID ENERGY DELAWARE, LLC
Date notified of downstream activity requiring this vent or flare	Not answered.
Time notified of downstream activity requiring this vent or flare	Not answered.

Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control.	True
Please explain reason for why this event was beyond this operator's control	Freezing control valve/PT that was showing High level alarm. Unable to clear.
Steps taken to limit the duration and magnitude of vent or flare	Informed H2S treatment company. We informed them we were in upset conditions
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Bi Weekly Ops discussion with Streamline

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ACKNOWLEDGMENTS

Action 72253

ACKNOWLEDGMENTS

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 72253
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a complete C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
☒	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
☒	I hereby certify the statements in this report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.
☒	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
☒	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

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CONDITIONS

Action 72253

CONDITIONS

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 72253
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
tbiggart	If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	1/13/2022