Certificate of Analysis

Number: 6030-21100044-002A

Artesia Laboratory
200 E Main St.
Artesia, NM 88210
Phone 575-746-3481

Travis Hutchinson
Franklin Mountain Energy
44 Cook St
Suite 1000
Denver , CO 80206

Oct. 13, 2021

Station Name:	Carnival CTB Sales	Sampled By:	Michael Mirabal
Station Number:	14790	Sample Of:	Gas Spot
Station Location:	Franklin Mountain	Sample Date:	10/04/2021 02:51
Sample Point:	Meter Run	Sample Conditions:	102 psia, @ 117 °F
Instrument:	6030_GC2 (Agilent GC-7890B)	Effective Date:	10/04/2021 02:51
Last Inst. Cal.:	09/13/2021 14:54 PM	Method:	GPA 2286
Analyzed:	10/12/2021 06:38:31 by KNF	Cylinder No:	5030-04978

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia		
Hydrogen Sulfide	0.000	0.03000	0.046		GPM TOTAL C2+	6.454
Nitrogen	1.403	1.42800	1.795		GPM TOTAL C3+	3.316
Methane	73.528	74.85900	53.881		GPM TOTAL iC5+	0.699
Carbon Dioxide	1.069	1.08800	2.148			
Ethane	11.509	11.71700	15.807	3.138		
Propane	6.029	6.13800	12.144	1.693		
Iso-butane	0.853	0.86800	2.264	0.284		
n-Butane	1.992	2.02800	5.289	0.640		
Iso-pentane	0.579	0.58900	1.907	0.216		
n-Pentane	0.476	0.48500	1.570	0.176		
Hexanes Plus	0.756	0.77000	3.149	0.307		
	98.194	100.00000	100.000	6.454		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7723	3.1419
Calculated Molecular Weight	22.29	91.00
Compressibility Factor	0.9960	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.696 psia & 60°F		
Real Gas Dry BTU	1298	4869
Water Sat. Gas Base BTU	1276	4784
Ideal, Gross HV - Dry at 14.696 psia	1292.9	4869.0
Ideal, Gross HV - Wet	1270.4	0.000

Comments: H2S Field Content 300 ppm

Data reviewed by: Krystle Fitzwater, 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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Franklin Mountain Energy
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Suite 1000
Denver , CO 80206

Station Name:	Carnival CTB Sales	Sampled By:	Michael Mirabal
Station Number:	14790	Sample Of:	Gas Spot
Station Location:	Franklin Mountain	Sample Date:	10/04/2021 02:51
Sample Point:	Meter Run	Sample Conditions:	102 psia, @ 117 °F
Analyzed:	10/12/2021 07:47:10 by KNF	Method:	GPA 2286
		Cylinder No:	5030-04978

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia
Hydrogen Sulfide	0.030	0.046	
Nitrogen	1.428	1.795	
Methane	74.859	53.881	
Carbon Dioxide	1.088	2.148	
Ethane	11.717	15.807	3.138
Propane	6.138	12.144	1.693
Iso-Butane	0.868	2.264	0.284
n-Butane	2.028	5.289	0.640
Iso-Pentane	0.589	1.907	0.216
n-Pentane	0.485	1.570	0.176
i-Hexanes	0.209	0.797	0.084
n-Hexane	0.113	0.425	0.045
Benzene	0.054	0.188	0.015
Cyclohexane	0.069	0.262	0.024
i-Heptanes	0.129	0.537	0.053
n-Heptane	0.029	0.133	0.014
Toluene	0.039	0.162	0.013
i-Octanes	0.078	0.370	0.035
n-Octane	0.008	0.039	0.004
Ethylbenzene	0.004	0.020	0.002
Xylenes	0.011	0.051	0.004
i-Nonanes	0.015	0.086	0.008
n-Nonane	0.004	0.020	0.002
Decanes Plus	0.008	0.059	0.004
	100.000	100.000	6.454

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Oct. 13, 2021

Station Name:	Carnival CTB Sales	Sampled By:	Michael Mirabal
Station Number:	14790	Sample Of:	Gas Spot
Station Location:	Franklin Mountain	Sample Date:	10/04/2021 02:51
Sample Point:	Meter Run	Sample Conditions:	102 psia, @ 117 °F
Analyzed:	10/12/2021 07:47:10 by KNF	Method:	GPA 2286
		Cylinder No:	5030-04978

Calculated Physical Properties	**Total**	**C10+**
Calculated Molecular Weight	22.29	151.89
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.696 psia & 60°F		
Real Gas Dry BTU	1298.1	8150.9
Water Sat. Gas Base BTU	1275.5	7976.9
Relative Density Real Gas	0.7723	5.2444
Compressibility Factor	0.9960	
Ideal, Gross HV - Wet	1270.4	
Ideal, Gross HV - Dry at 14.696 psia	1292.9	
Net BTU Dry Gas - real gas	1179	
Net BTU Wet Gas - real gas	1159	

Comments: H2S Field Content 300 ppm

Data reviewed by: Krystle Fitzwater, 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) 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

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 72401
	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 72401

QUESTIONS

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 72401
	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	**[fAPP2123468509] Carnival CTB**

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional 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	Gas Compressor Station
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	74
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	1
Oxygen (02) 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 Sufide (H2S) PPM quality requirement	*Not answered.*
Carbon Dioxide (C02) percentage quality requirement	*Not answered.*
Oxygen (02) percentage quality requirement	*Not answered.*

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QUESTIONS (continued)

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 72401
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/05/2022
Time vent or flare was discovered or commenced	10:00 AM
Time vent or flare was terminated	12:47 PM
Cumulative hours during this event	3

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure | Gas Compressor Station | Natural Gas Flared | Released: 538 Mcf | Recovered: 0 Mcf | Lost: 538 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	Yes
Downstream OGRID that should have notified this operator	[371960] LUCID ENERGY DELAWARE, LLC
Date notified of downstream activity requiring this vent or flare	01/03/2022
Time notified of downstream activity requiring this vent or flare	11:00 AM

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	Threw rod in compressor
Steps taken to limit the duration and magnitude of vent or flare	Raised pressure on vessels
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Continue to hold Lucid accountable to Contracted Line Pressures in Bi weekly Meeting

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ACKNOWLEDGMENTS

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 72401
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit a *Venting and/or Flaring* (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 72401

CONDITIONS

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 72401
	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.	1/14/2022