LABORATORY SERVICES Natural Gas Analysis
www.permianls.com
575.397.3713 2609 W Marland Hobbs NM 88240

C6+ Gas Analysis Report

13744G	Greenlight Sales	Greenlight Sales
Sample Point Code	Sample Point Name	Sample Point Location

Laboratory Services	2022052050	2118	M Claburn - Spot
Source Laboratory	Lab File No	Container Identity	Sampler

USA	USA	USA	New Mexico
District	Area Name	Field Name	Facility Name

Mar 8, 2022 16:00	Mar 8, 2022 16:00	Mar 9, 2022 13:56	Mar 9, 2022
Date Sampled	Date Effective	Date Received	Date Reported

57.00		System Administrator	83 @ 89
Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI @ Temp °F Source Conditions

Franklin Mountain Energy	BH
Operator	Lab Source Description

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0010	0.001	
Nitrogen (N2)	1.1060	1.106	
CO2 (CO2)	0.9620	0.962	
Methane (C1)	72.1230	72.124	
Ethane (C2)	11.5340	11.534	3.0670
Propane (C3)	7.4530	7.453	2.0420
I-Butane (IC4)	1.3830	1.383	0.4500
N-Butane (NC4)	2.8860	2.886	0.9050
I-Pentane (IC5)	0.8680	0.868	0.3160
N-Pentane (NC5)	0.6780	0.678	0.2440
Hexanes Plus (C6+)	1.0060	1.006	0.4340
TOTAL	100.0000	100.0010	7.4580

Method(s): Gas C6+ - GPA 2261, Extended Gas - GPA 2286, Calculations - GPA 2172

Analyzer Information

Device Type:	Gas Chromatograph	Device Make:	Shimadzu
Device Model:	GC-2014	Last Cal Date:	Jan 24, 2022

Gross Heating Values (Real, BTU/ft³)

14.696 PSI @ 60.00 Â°F		14.65 PSI @ 60.00 Â°F	
Dry	Saturated	Dry	Saturated
1,377.5	1,355.4	1,373.2	1,351.2

Calculated Total Sample Properties

GPA2145-16 *Calculated at Contract Conditions

Relative Density Real	Relative Density Ideal
0.8180	0.8146

Molecular Weight: 23.5926

C6+ Group Properties

Assumed Composition

C6 - 60.000% C7 - 30.000% C8 - 10.000%

Field H2S: 6 PPM

PROTREND STATUS:
Passed By Validator on Mar 9, 2022

DATA SOURCE:
Imported

PASSED BY VALIDATOR REASON:
First sample taken @ this point, composition looks reasonable

VALIDATOR:
Dustin Armstrong

VALIDATOR COMMENTS:
OK

Operator	CTB	Event	Start Time	End Time	Duration (Hr)	Total (MCF)
Franklin Mountain	Parade	50 MCF	5/21/2022 0:04	5/21/2022 1:20	1.25	55.2
Franklin Mountain	Carnival	500 MCF	5/21/2022 0:47	5/21/2022 10:14	9.43	2570.12
Franklin Mountain	Green Light	50 MCF	5/21/2022 0:48	5/21/2022 2:36	1.78	451.86
Franklin Mountain	Parade	50 MCF	5/21/2022 1:22	5/21/2022 2:58	1.58	71.66
Franklin Mountain	Green Light	50 MCF	5/21/2022 4:30	5/21/2022 5:03	0.55	111.94
Franklin Mountain	Green Light	50 MCF	5/21/2022 5:41	5/21/2022 6:28	0.77	130.38
Franklin Mountain	Green Light	50 MCF	5/21/2022 6:31	5/21/2022 7:59	1.45	366.19
Franklin Mountain	Green Light	50 MCF	5/21/2022 8:18	5/21/2022 8:39	0.35	61.59
Franklin Mountain	Green Light	50 MCF	5/21/2022 8:40	5/21/2022 9:37	0.95	228.78
Franklin Mountain	Carnival	50 MCF	5/21/2022 10:57	5/21/2022 11:19	0.37	89.59
Franklin Mountain	Carnival	500 MCF	5/21/2022 11:36	5/22/2022 0:00	12.38	3180.14
Franklin Mountain	Green Light	50 MCF	5/21/2022 12:31	5/21/2022 14:31	2	460.31
Franklin Mountain	Parade	50 MCF	5/21/2022 14:05	5/21/2022 15:40	1.57	69.78
Franklin Mountain	Green Light	500 MCF	5/21/2022 16:52	5/21/2022 19:09	2.27	565.86
Franklin Mountain	Parade	50 MCF	5/21/2022 17:21	5/21/2022 18:56	1.57	68.21
Franklin Mountain	Parade	50 MCF	5/21/2022 18:58	5/21/2022 22:21	3.38	154.55
Franklin Mountain	Green Light	500 MCF	5/21/2022 19:15	5/21/2022 21:15	2	584.36
Franklin Mountain	Green Light	500 MCF	5/21/2022 21:37	5/22/2022 0:00	2.38	871.2

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DEFINITIONS

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 111228
	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 111228

QUESTIONS

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	Action Number: 111228
	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	**[fAPP2125750904] Green Light 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, minor 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 Plant
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	72
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
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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	05/21/2022
Time vent or flare was discovered or commenced	04:30 AM
Time vent or flare was terminated	05:03 AM
Cumulative hours during this event	0

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	Cause: High Line Pressure | Gas Plant | Natural Gas Flared | Released: 111 Mcf | Recovered: 0 Mcf | Lost: 111 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	Lucid operations identified a leak this morning on a piece of equipment at Red Hills. Personnel are in progress on preparation for the repair, current expectation is that the repair will be completed and the equipment back online within 16 hours.
Steps taken to limit the duration and magnitude of vent or flare	Did not open chokes
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Continue to discuss with Lucid during Bi-weekly

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ACKNOWLEDGMENTS

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	Action Number: 111228
	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

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 111228
	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.	5/26/2022