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575.397.3713 2609 W Marland Hobbs NM 88240

C6+ Gas Analysis Report

14866G	L.O.E. Sales	L.O.E. Sales	
Sample Point Code	Sample Point Name	Sample Point Location	
Laboratory Services	2022057706	1742	Andy M - Spot
Source Laboratory	Lab File No	Container Identity	Sampler
USA	USA	USA	New Mexico
District	Area Name	Field Name	Facility Name
Aug 31, 2022 11:00	Aug 31, 2022 11:00	Sep 6, 2022 10:53	Sep 7, 2022
Date Sampled	Date Effective	Date Received	Date Reported
20,235.10	System Administrator	123 @ 84	
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)	0.0800	0.08	
Nitrogen (N2)	1.2910	1.292	
CO2 (CO2)	0.7450	0.746	
Methane (C1)	70.9800	71.036	
Ethane (C2)	12.8380	12.848	3.4140
Propane (C3)	7.9870	7.993	2.1880
I-Butane (IC4)	1.0580	1.059	0.3440
N-Butane (NC4)	2.7340	2.736	0.8570
I-Pentane (IC5)	0.6980	0.699	0.2540
N-Pentane (NC5)	0.6880	0.689	0.2480
Hexanes Plus (C6+)	0.9010	0.902	0.3890
TOTAL	100.0000	100.0800	7.6940

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:	Aug 14, 2022

Gross Heating Values (Real, BTU/ft³)			
14.696 PSI @ 60.00 Å°F		14.65 PSI @ 60.00 Å°F	
Dry	Saturated	Dry	Saturated
1,375.7	1,353.6	1,371.4	1,349.4

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.8158	0.8124
Molecular Weight	
23.5295	

C6+ Group Properties		
Assumed Composition		
C6 - 60.000%	C7 - 30.000%	C8 - 10.000%

Field H2S
800 PPM

PROTREND STATUS:

Passed By Validator on Sep 8, 2022

DATA SOURCE:

Imported

PASSED BY VALIDATOR REASON:

First sample taken @ this point, composition looks reasonable

VALIDATOR:

Luis Cano

VALIDATOR COMMENTS:

ok

Operator	CTB	Event	Start Time	End Time	Duration (Hr)	Total (MCF)
FME	Carnival	50 MCF	2/3/2023 1:20	2/3/2023 1:41	0.35	57.25
FME	Colorado	50 MCF	2/3/2023 1:21	2/3/2023 1:48	0.46	149.48
FME	Carnival	50 MCF	2/3/2023 2:35	2/3/2023 3:05	0.51	81.31
FME	Carnival	50 MCF	2/3/2023 5:02	2/3/2023 5:15	0.22	51.81
FME	Carnival	50 MCF	2/3/2023 5:18	2/3/2023 5:41	0.39	65.78
FME	Carnival	50 MCF	2/3/2023 7:39	2/3/2023 7:54	0.24	64.16
FME	Carnival	50 MCF	2/3/2023 8:59	2/3/2023 9:54	0.91	160.44
FME	Carnival	50 MCF	2/4/2023 9:28	2/4/2023 9:51	0.38	79.66
FME	LOE	50 MCF	2/4/2023 9:37	2/4/2023 9:46	0.15	52.91
FME	LOE	50 MCF	2/4/2023 12:31	2/4/2023 12:37	0.1	55.14
FME	LOE	50 MCF	2/4/2023 14:15	2/4/2023 14:25	0.17	51.83
FME	LOE	50 MCF	2/4/2023 14:25	2/4/2023 14:36	0.17	51.78
FME	LOE	50 MCF	2/4/2023 17:23	2/4/2023 17:29	0.11	52.46
FME	LOE	50 MCF	2/6/2023 10:53	2/6/2023 10:59	0.1	53.96
FME	LOE	50 MCF	2/7/2023 15:00	2/7/2023 15:09	0.14	54.66
FME	LOE	50 MCF	2/7/2023 20:00	2/7/2023 20:31	0.5	197.38
FME	LOE	50 MCF	2/8/2023 13:12	2/8/2023 13:19	0.13	52.75
FME	Colorado	50 MCF	2/8/2023 13:14	2/8/2023 13:36	0.37	99.04
FME	LOE	50 MCF	2/8/2023 13:20	2/8/2023 13:27	0.12	56.29
FME	LOE	50 MCF	2/8/2023 13:33	2/8/2023 13:40	0.12	57.16
FME	LOE	50 MCF	2/8/2023 13:40	2/8/2023 13:48	0.13	58.24
FME	LOE	50 MCF	2/8/2023 13:55	2/8/2023 14:01	0.11	52.25
FME	LOE	50 MCF	2/8/2023 14:02	2/8/2023 14:38	0.61	241.4
FME	LOE	50 MCF	2/8/2023 14:56	2/8/2023 15:10	0.23	84.16
FME	LOE	50 MCF	2/8/2023 16:07	2/8/2023 16:20	0.21	87.38
FME	FMM	50 MCF	2/10/2023 12:11	2/10/2023 12:42	0.52	126.89
FME	FMM	50 MCF	2/10/2023 12:11	2/10/2023 12:42	0.53	174.46
FME	FMM	50 MCF	2/10/2023 13:02	2/10/2023 13:15	0.22	84.87
FME	FMM	50 MCF	2/10/2023 13:04	2/10/2023 13:15	0.19	50.33
FME	LOE	50 MCF	2/11/2023 8:03	2/11/2023 8:14	0.18	86.82
FME	LOE	50 MCF	2/11/2023 8:21	2/11/2023 8:39	0.3	135.24
FME	LOE	50 MCF	2/11/2023 8:46	2/11/2023 9:03	0.28	120.52
FME	LOE	50 MCF	2/11/2023 9:05	2/11/2023 9:20	0.26	103.32
FME	LOE	50 MCF	2/11/2023 9:38	2/11/2023 10:09	0.53	228.53
FME	FMM	500 MCF	2/14/2023 4:00	2/14/2023 7:17	3.28	993.27
FME	FMM	500 MCF	2/14/2023 4:00	2/14/2023 7:07	3.13	819.43
FME	LOE	50 MCF	2/14/2023 5:01	2/14/2023 5:13	0.21	80.52
FME	LOE	50 MCF	2/14/2023 5:17	2/14/2023 5:35	0.29	123.04
FME	Green Light	500 MCF	2/14/2023 5:18	2/14/2023 6:26	1.13	663.41
FME	LOE	50 MCF	2/14/2023 6:05	2/14/2023 6:14	0.14	57.18
FME	LOE	50 MCF	2/14/2023 6:15	2/14/2023 6:36	0.35	134.34
FME	LOE	50 MCF	2/14/2023 20:33	2/14/2023 20:41	0.14	56.19
FME	FMM	500 MCF	2/15/2023 4:55	2/15/2023 7:05	2.17	620
FME	FMM	50 MCF	2/15/2023 5:07	2/15/2023 6:21	1.24	144.67
FME	LOE	50 MCF	2/18/2023 2:27	2/18/2023 2:46	0.31	194.27
FME	LOE	50 MCF	2/18/2023 3:18	2/18/2023 3:39	0.35	155.13

FME	LOE	50 MCF	2/18/2023 3:52	2/18/2023 4:01	0.15	70.81
FME	LOE	50 MCF	2/18/2023 4:41	2/18/2023 4:50	0.16	70.81
FME	LOE	50 MCF	2/18/2023 5:35	2/18/2023 5:52	0.29	124.48
FME	LOE	50 MCF	2/18/2023 16:25	2/18/2023 16:36	0.18	76.94
FME	LOE	50 MCF	2/18/2023 16:49	2/18/2023 17:00	0.18	73.7
FME	LOE	50 MCF	2/18/2023 17:07	2/18/2023 17:22	0.26	97.75
FME	LOE	50 MCF	2/18/2023 17:28	2/18/2023 17:36	0.13	57.1
FME	LOE	50 MCF	2/19/2023 3:17	2/19/2023 3:25	0.14	62.35
FME	LOE	50 MCF	2/19/2023 3:26	2/19/2023 3:37	0.19	85.29
FME	LOE	50 MCF	2/19/2023 4:59	2/19/2023 5:38	0.66	304.17
FME	LOE	50 MCF	2/19/2023 5:41	2/19/2023 5:53	0.19	90.36
FME	LOE	50 MCF	2/19/2023 6:45	2/19/2023 6:53	0.13	52
FME	LOE	50 MCF	2/19/2023 6:55	2/19/2023 7:12	0.27	118.27
FME	LOE	50 MCF	2/19/2023 8:12	2/19/2023 8:33	0.35	141.81
FME	LOE	50 MCF	2/19/2023 9:00	2/19/2023 9:08	0.14	62.73
FME	LOE	50 MCF	2/19/2023 13:48	2/19/2023 14:12	0.41	94.02
FME	Paul Foster	50 MCF	2/19/2023 13:48	2/19/2023 14:11	0.38	60.46

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

DEFINITIONS

Action 189917

DEFINITIONS

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 189917
	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 189917

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	Action Number: 189917
	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	Unavailable.
Incident Facility	[fAPP2125751858] Land of Enchantment (LOE) 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	No
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 within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved	
Primary Equipment Involved	Not answered.
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	71
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 189917

QUESTIONS (continued)

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	Action Number: 189917
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	02/07/2023
Time vent or flare was discovered or commenced	03:00 PM
Time vent or flare was terminated	03:09 PM
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: Equipment Failure Treating Tower Natural Gas Flared Released: 54 Mcf Recovered: 0 Mcf Lost: 54 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	No
Was notification of downstream activity received by this operator	Not answered.
Downstream OGRID that should have notified this operator	Not answered.
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.	False
Please explain reason for why this event was beyond this operator's control	Not answered.
Steps taken to limit the duration and magnitude of vent or flare	High pressure shut down on treatment tower 2. Coalescer filter
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Swing all volumes to pinon and treatment tower 1

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ACKNOWLEDGMENTS

Action 189917

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Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 189917
	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 189917

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	Action Number: 189917
	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.	2/23/2023