



## C9+ Analysis

GPA 2172-19/API 14.5 Report with GPA 2145-16 Physical Properties

### Sample Information

	Sample Information
Sample Name	SUN STATE COM 502H
Operator	Franklin Mountain Energy
Lease	SUN STATE COM 502H
PA#	
CA#	
Sample Date/Time:	6-5-24 11:00 AM
Effective Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	6-3-24
Sample Temperature	117 F
Sample Pressure	120 PSIA
Sample Flow Rate	356 MCF
Ambient Temperature	87 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	Blackhawk Measurement Consulting
Sampled By	JEFF GRIFFITH
Cylinder #	3206
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2172/API 14.5 Report with GPA 2145 Physical Properties
Analysis Date	2024-06-08 11:50:28

### Component Results

Component Name	Un-Normalized Mole%	Norm Mole%	
Nitrogen	2.4320	2.3594	
Carbon Dioxide	3.7560	3.6439	
Methane	57.8570	56.1311	
Ethane	16.0920	15.6119	

Component Name	Un-Normalized Mole%	Norm Mole%	
Propane	12.7020	12.3231	
isobutane	1.9450	1.8870	
n-Butane	4.8390	4.6946	
isopentane	1.2190	1.1826	
n-Pentane	1.1070	1.0740	
hexanes	0.6830	0.6626	
heptanes	0.3390	0.3289	
octanes	0.0510	0.0495	
nonanes+	0.0130	0.0126	
hydrogen sulfide	0.0400	0.0388	
Total:	103.0750	100.0000	

### Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	103.0750		
Pressure Base (psia)	14.650		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1507.3	1480.9	
Gross Heating Value (BTU / Real cu.ft.)	1516.7	1490.9	
Relative Density (G), Ideal	0.9612	0.9552	
Relative Density (G), Real	0.9668	0.9613	
Compressibility (Z) Factor	0.9938	0.9933	
Total GPM	21.360	21.097	

Facility ID  
fAPP2415728220 - Sun/Roadrunner CTB  
Date/Time Flaring/Venting Began:  
2024-06-24 09:27:00  
Date/Time Flaring/Venting Ended:  
2024-06-24 23:59:00  
Cumulative Hours Of Event:  
14.54  
Total (MCF)  
91.75  
Index  
3307

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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DEFINITIONS

Action 357382

DEFINITIONS

Operator: Franklin Mountain Energy 3, LLC 44 Cook Street Denver, CO 80206	OGRID: 331595
	Action Number: 357382
	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: <ul style="list-style-type: none"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul>
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QUESTIONS

Action 357382

QUESTIONS

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	Action Number: 357382
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

<b>Prerequisites</b> 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	[fAPP2415728220] Sun/Roadrunner CTB

<b>Determination of Reporting Requirements</b> 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	Yes
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

<b>Equipment Involved</b>	
Primary Equipment Involved	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b> Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	56
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	388
Carbon Dioxide (C02) percentage, if greater than one percent	3
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 Sufide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (C02) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2  
  
Action 357382

QUESTIONS (continued)

Operator:  Franklin Mountain Energy 3, LLC 44 Cook Street Denver, CO 80206	OGRID:  331595
	Action Number:  357382
	Action Type:  [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	06/24/2024
Time vent or flare was discovered or commenced	09:27 AM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	14

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   Generator   Natural Gas Flared   Released: 91 Mcf   Recovered: 0 Mcf   Lost: 91 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	[332407] CRUSOE ENERGY SYSTEMS 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	Generators fully loaded with gas
Steps taken to limit the duration and magnitude of vent or flare	Continually talking with Crusoe to monitor amount of gas generators are taking
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Continue to discuss runtime and volumes on daily meetings and group chats



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ACKNOWLEDGMENTS  
  
Action 357382

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ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	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 <b>complete</b> C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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

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	Action Number: 357382
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CONDITIONS

Created By	Condition	Condition Date
ygelfand	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.	6/25/2024