

### Analysis Certificate Report Lucid Energy Group-PURCHASER

6/10/2021 3:44 PM

3100 McKinnon St #800  
Dallas, TX 75201

BROCK A BOWMAN

<b>Analysis ID:</b> 14754	<b>Alternate ID:</b>	<b>Use Contract Values:</b> No
<b>Name</b> MAN HANDS SWEET CTB	<b>Company Name:</b> Lucid Energy Group	
<b>Effective Date:</b> 04/01/2021 08:00	<b>Saturated HV:</b> 1327.0	<b>Sample Date:</b> 04/08/2021
<b>Valid Thru Date:</b> 12/31/2078 00:00	<b>As Del. HV:</b> 1339.5	<b>Sample ID:</b> 6030-21040085-012A
<b>Fixed Edit Date:</b> 01/01/1900 00:00	<b>Dry HV:</b> 1349.0	<b>Sample Type:</b> Spot
<b>Last Update:</b> 04/13/2021 09:06	<b>Measured HV:</b> 1349.0	<b>Sample Pressure Base:</b> 14.730
<b>Data Acquisition:</b> File Transfer from Lab	<b>WOBBE:</b> 1508.5	<b>Sample Temperature:</b> 84.0
<b>Data Source:</b> Lab Analysis	<b>Water Content:</b> 0.8	<b>Sample Pressure:</b> 79.1
<b>Real Relative Density:</b> 0.7997	<b>Status:</b> Active	<b>Lab Code:</b>

Component	% Mol	GPM	Dry Gravity	Saturated Gravity
Methane	71.6295			
Ethane	12.3518	3.3176		
Propane	7.3805	2.0421		
I Butane	0.9640	0.3168		
N Butane	2.4289	0.7690		
I Pentane	0.6064	0.2227		
N Pentane	0.5665	0.2062		
Hexanes +	0.8708	0.3816		
Nitrogen	1.4827			
CO2	0.9689			
Oxygen	0.0000			
H2O	0.7500			
CO	0.0000			
H2S	0.0000			
Hydrogen	0.0000			
Helium	0.0000			
Argon	0.0000			
<b>Total</b>	<b>100.0000</b>	<b>7.2560</b>		

**Sample Comments:**

**Configuration Comments:**

Flaring Summary

date » (Column Names)

Data table:  
flare\_report\_data (2)

Colors:

All values

	9/13/2022
battery	Sum(TOTAL F...
Mulva Man Hands CTB B	582.00
Grand total	582.00

battery

Sum(TOTAL FLARE (HP + LP))

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

DEFINITIONS

Action 145630

**DEFINITIONS**

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 145630
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

**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 145630

**QUESTIONS**

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 145630
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

**QUESTIONS**

<b>Prerequisites</b>	
<i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident Operator	[372043] TAP ROCK OPERATING, LLC
Incident Type	Flare
Incident Status	Closure Not Approved
Incident Well	Not answered.
Incident Facility	[fAPP2126032081] Man Hands Mulva CTB B
<i>Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.</i>	

<b>Determination of Reporting Requirements</b>	
<i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
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, major venting and/or flaring of natural gas.
<i>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.</i>	
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

<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>	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	72
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
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
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 145630

**QUESTIONS (continued)**

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 145630
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	09/13/2022
Time vent or flare was discovered or commenced	12:01 AM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	8

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   Valve   Natural Gas Flared   Released: 582 Mcf   Recovered: 0 Mcf   Lost: 582 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	Tap Rock saw a higher-than-normal flare volume due to downtime on the oil tank flare valve. Tap Rock also saw flare volumes due to flash gas coming off the tanks and an excess amount of oxygen at the tank level. The amount of oxygen does not meet pipeline quality specifications for our midstream provider. Tap Rock is analyzing this location and the equipment on location to verify the facility can capture all excess gas. I&E has parts on order. If flaring continues Tap Rock will alter the facility by placing additional gas takeaway equipment.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Tap Rock saw a higher-than-normal flare volume due to downtime on the oil tank flare valve. Tap Rock also saw flare volumes due to flash gas coming off the tanks and an excess amount of oxygen at the tank level. The amount of oxygen does not meet pipeline quality specifications for our midstream provider. Tap Rock is analyzing this location and the equipment on location to verify the facility can capture all excess gas. I&E has parts on order. If flaring continues Tap Rock will alter the facility by placing additional gas takeaway equipment.

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ACKNOWLEDGMENTS

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	Action Number: 145630
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**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC.
<input checked="" type="checkbox"/>	I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record.
<input checked="" type="checkbox"/>	I hereby certify the statements in this amending 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

Action 145630

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	Action Number: 145630
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**CONDITIONS**

Created By	Condition	Condition Date
bramsey	If the information provided in this report requires further amendment(s), submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	9/22/2022