

Analysis Certificate Report

Lucid Energy Group-PURCHASER

6/10/2021 3:44 PM

3100 McKinnon St #800
Dallas, TX 75201

BROCK A BOWMAN

Analysis ID: 14495	Alternate ID:	Use Contract Values: No
Name Zeus CDP	Company Name: Lucid Energy Group	

Effective Date: 05/01/2021 08:00	Saturated HV: 1101.9	Sample Date: 05/03/2021
Valid Thru Date: 12/31/2078 00:00	As Del. HV: 1112.5	Sample ID: 6030-21050022-014A
Fixed Edit Date: 01/01/1900 00:00	Dry HV: 1120.1	Sample Type: Composite
Last Update: 05/13/2021 07:54	Measured HV: 1120.1	Sample Pressure Base: 14.730
Data Acquisition: File Transfer from Lab	WOBBE: 1260.9	Sample Temperature: 86.3
Data Source: Lab Analysis	Water Content: 0.7	Sample Pressure: 89.2
Real Relative Density: 0.7890	Status: Active	Lab Code:

<u>Component</u>	<u>% Mol</u>	<u>GPM</u>	
Methane	71.9317		Dry Gravity
			Saturated Gravity
Ethane	8.6366	2.3178	
Propane	4.3694	1.2080	
I Butane	0.5373	0.1764	
N Butane	1.2658	0.4004	
I Pentane	0.3581	0.1314	
N Pentane	0.3572	0.1299	
Hexanes +	0.5613	0.2458	

Nitrogen	2.8721
CO2	8.3900
Oxygen	0.0000
H2O	0.7200
CO	0.0000
H2S	0.0005
Hydrogen	0.0000
Helium	0.0000
Argon	0.0000

Total	100.0000	4.6097
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Sample Comments:**Configuration Comments:**

Flaring Summary

battery	10/24/2022
	Sum(TOTAL F...
Zeus Tank Battery	90.00
Grand total	90.00

date » (Column Names)

Data table:
flare_report_data (2)
Colors:
All values

battery

Sum(TOTAL FLARE (HP + LP))

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

DEFINITIONS

Action 156277

DEFINITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 156277
	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 156277

QUESTIONS

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	Action Number: 156277
	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	[fAPP2126033423] Zeus 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	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 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	72
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	5
Carbon Dioxide (CO2) percentage, if greater than one percent	8
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

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QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	10/24/2022
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	1

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: 90 Mcf Recovered: 0 Mcf Lost: 90 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 the compressor go down. Due to this the facility was shut in, but not before Tap Rock flared over the regulated volumes. The malfunction of the equipment is still under investigation. Tap Rock also saw flare volumes due to flash gas coming off of 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. 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 the compressor go down. Due to this the facility was shut in, but not before Tap Rock flared over the regulated volumes. The malfunction of the equipment is still under investigation. Tap Rock also saw flare volumes due to flash gas coming off of 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. If flaring continues Tap Rock will alter the facility by placing additional gas takeaway equipment.

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ACKNOWLEDGMENTS

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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

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CONDITIONS

Created By	Condition	Condition Date
bramsey	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.	11/4/2022