

# 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> 14495	<b>Alternate ID:</b>	<b>Use Contract Values:</b> No
<b>Name</b> Zeus CDP	<b>Company Name:</b> Lucid Energy Group	
<b>Effective Date:</b> 05/01/2021 08:00	<b>Saturated HV:</b> 1101.9	<b>Sample Date:</b> 05/03/2021
<b>Valid Thru Date:</b> 12/31/2078 00:00	<b>As Del. HV:</b> 1112.5	<b>Sample ID:</b> 6030-21050022-014A
<b>Fixed Edit Date:</b> 01/01/1900 00:00	<b>Dry HV:</b> 1120.1	<b>Sample Type:</b> Composite
<b>Last Update:</b> 05/13/2021 07:54	<b>Measured HV:</b> 1120.1	<b>Sample Pressure Base:</b> 14.730
<b>Data Acquisition:</b> File Transfer from Lab	<b>WOBBE:</b> 1260.9	<b>Sample Temperature:</b> 86.3
<b>Data Source:</b> Lab Analysis	<b>Water Content:</b> 0.7	<b>Sample Pressure:</b> 89.2
<b>Real Relative Density:</b> 0.7890	<b>Status:</b> Active	<b>Lab Code:</b>

<u>Component</u>	<u>% Mol</u>	<u>GPM</u>	Dry Gravity	Saturated Gravity
Methane	71.9317			
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			
<b>Total</b>	<b>100.0000</b>	<b>4.6097</b>		

**Sample Comments:****Configuration Comments:**

Flaring Summary

battery		8/24/2021
Zeus Tank Battery		94.60
Grand total		94.60

date

Data table:  
flare\_report\_data (2)  
Colors:  
All values

battery

Sum(TOTAL FLARE (HP + LP))

**District I**1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720**District II**811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720**District III**1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170**District IV**1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 46903

**QUESTIONS**

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 46903
	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	[30-025-45615] ZEUS 24330909 STATE #104H
Incident Facility	Not answered.

<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 or is this venting and/or flaring caused by an emergency or malfunction	Yes
Did or will this venting and/or flaring last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a venting and/or flaring 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 or will there be at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this venting and/or flaring 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 venting and/or flaring 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	72
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	0
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.

<b>Date(s) and Time(s)</b>	
Date venting and/or flaring was discovered or commenced	08/23/2021
Time venting and/or flaring was discovered or commenced	06:00 AM
Time venting and/or flaring was terminated	06:00 PM
Cumulative hours during this event	2

<b>Measured or Estimated Volume of Vented or Flared Natural Gas</b>	
Natural Gas Vented (Mcf) Details	Not answered.

Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance   Gas Compressor Station   Natural Gas Flared   Released: 94 Mcf   Recovered: 0 Mcf   Lost: 94 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 or is this venting and/or flaring a result of downstream activity	No
Was notification of downstream activity received by you or your operator	Not answered.
Downstream OGRID that should have notified you or your operator	Not answered.
Date notified of downstream activity requiring this venting and/or flaring	Not answered.
Time notified of downstream activity requiring this venting and/or flaring	Not answered.

**Steps and Actions to Prevent Waste**

For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control.	True
Please explain reason for why this event was beyond your operator's control	Lucid received a slug of fluid at their Red Hills plant so they had to curtail volumes, forcing us to flare. Due to this Tap Rock flare numbers spiked larger than regulated volumes. Once Lucid can solve their issue, Tap Rock should see normal operations. No timetable has been given to fix this issue.
Steps taken to limit the duration and magnitude of venting and/or flaring	Lucid received a slug of fluid at their Red Hills plant so they had to curtail volumes, forcing us to flare. Due to this Tap Rock flare numbers spiked larger than regulated volumes. Once Lucid can solve their issue, Tap Rock should see normal operations. No timetable has been given to fix this issue.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Lucid received a slug of fluid at their Red Hills plant so they had to curtail volumes, forcing us to flare. Due to this Tap Rock flare numbers spiked larger than regulated volumes. Once Lucid can solve their issue, Tap Rock should see normal operations. No timetable has been given to fix this issue.

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CONDITIONS

Action 46903

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	Action Number: 46903
	Action Type: [C-129] Venting and/or Flaring (C-129)

**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.	9/7/2021