

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: 14759		Alternate ID:		Use Contract Values: No	
Name	MANDELBAUM CTB	Company Name: Lucid Energy Group			
Effective Date:	05/01/2021 08:00	Saturated HV:	1396.5	Sample Date:	05/18/2021
Valid Thru Date:	12/31/2078 00:00	As Del. HV:	1406.4	Sample ID:	6030-21050251-011A
Fixed Edit Date:	01/01/1900 00:00	Dry HV:	1419.7	Sample Type:	Spot
Last Update:	06/01/2021 09:58	Measured HV:	1419.7	Sample Pressure Base:	14.730
Data Acquisition:	File Transfer from Lab	WOBBE:	1558.0	Sample Temperature:	102.0
Data Source:	Lab Analysis	Water Content:	1.0	Sample Pressure:	104.1
Real Relative Density:	0.8304	Status:	Active	Lab Code:	

<u>Component</u>	<u>% Mol</u>	<u>GPM</u>	Dry Gravity
			Saturated Gravity
Methane	68.8547		
Ethane	13.8882	3.7323	
Propane	8.1443	2.2547	
I Butane	1.0475	0.3445	
N Butane	2.8567	0.9050	
I Pentane	0.6454	0.2372	
N Pentane	0.7381	0.2689	
Hexanes +	1.3007	0.5704	
Nitrogen	1.2840		
CO2	0.2404		
Oxygen	0.0000		
H2O	1.0000		
CO	0.0000		
H2S	0.0000		
Hydrogen	0.0000		
Helium	0.0000		
Argon	0.0000		
Total	100.0000	8.3130	

Sample Comments:**Configuration Comments:**

Flaring Summary

battery	11/20/2021	
	Sum(TOTAL F...	Avg(Daily % Fl...
Mandelbaum Battery	70.00	1.86%
Grand total	70.00	1.86%

date » (Column Names)

Data table:
flare_report_data (2)
Colors:
All values

battery

Sum(TOTAL FLARE (HP + LP)) Avg(Daily % Flared)

District I1625 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 63372

QUESTIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 63372
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites	
<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 Well	Not answered.
Incident Facility	[fAPP2126032666] Mandelbaum CTB

Determination of Reporting Requirements	
<i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
Was or is this venting and/or flaring caused by an emergency or malfunction	No
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.
<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 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

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	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	69
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	0
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.

Date(s) and Time(s)	
Date venting and/or flaring was discovered or commenced	11/20/2021
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	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: 70 Mcf Recovered: 0 Mcf Lost: 70 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	Not answered.
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.	False
Please explain reason for why this event was beyond your operator's control	Not answered.
Steps taken to limit the duration and magnitude of venting and/or flaring	The flaring at the Mandelbaum location was due to compressor issues. They kept having to blowdown the compressor which resulted in excess gas being sent to the HP flare.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	The flaring at the Mandelbaum location was due to compressor issues. They kept having to blowdown the compressor which resulted in excess gas being sent to the HP flare.

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CONDITIONS

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Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 63372
	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.	11/23/2021