

Analysis Certificate Report

Lucid Energy Group-PURCHASER

7/29/2021 12:16 PM

3100 McKinnon St #800
Dallas, TX 75201

BROCK A BOWMAN

Analysis ID: 10962 **Alternate ID:** **Use Contract Values:** No

Name Jawbone State #1 **Company Name:** Lucid Energy Group

Effective Date:	06/01/2021 08:00	Saturated HV:	1222.9	Sample Date:	06/10/2021
Valid Thru Date:	12/31/2078 00:00	As Del. HV:	1223.0	Sample ID:	6030-21060146-014A
Fixed Edit Date:	01/01/1900 00:00	Dry HV:	1243.2	Sample Type:	Spot
Last Update:	06/28/2021 07:42	Measured HV:	1243.2	Sample Pressure Base:	14.730
Data Acquisition:	Manual Entry	WOBBE:	1462.4	Sample Temperature:	104.0
Data Source:	Lab Analysis	Water Content:	1.7	Sample Pressure:	63.0
Real Relative Density:	0.7227	Status:	Active	Lab Code:	

<u>Component</u>	<u>% Mol</u>	<u>GPM</u>	
Methane	78.0118		Dry Gravity
Ethane	10.5902	2.8426	Saturated Gravity
Propane	4.5936	1.2702	
I Butane	0.5404	0.1775	
N Butane	1.3930	0.4408	
I Pentane	0.3049	0.1119	
N Pentane	0.3758	0.1367	
Hexanes +	0.6507	0.2850	

Nitrogen	1.2331
CO2	0.5765
Oxygen	0.0000
H2O	1.7300
CO	0.0000
H2S	0.0000
Hydrogen	0.0000
Helium	0.0000
Argon	0.0000

Total	100.0000	5.2647
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Sample Comments:

Configuration Comments:

Jawbone CTB
B-2-25S-26E, Eddy County

Flare Meter Volume

Date	Flared MCF	Line Pressure	Flow Hours
7/27/2021	120	129	2.0

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 30527

QUESTIONS

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID: 15363 Action Number: 30527 Action Type: [C-129] Venting and/or Flaring (C-129)
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QUESTIONS**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 or is this venting or flaring caused by an emergency or malfunction	Yes
Did or will this venting 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 notification of a major venting or flaring	Yes, minor venting or flaring of natural gas.
The operator shall file a form C-141 instead of a form C-129 for a release that includes liquid during venting or flaring that is or may be a major or minor release under 19.13.29.7 NMAC	
Was there or will there be at least 50 MCF of natural gas vented or flared during this event	Yes
Did this venting 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

Unregistered Facility Site

Please provide the facility details, if the venting or flaring occurred or is occurring at a facility that does not have an Facility ID (##) yet.

Facility or Site Name	Not answered.
Facility Type	Not answered.

Equipment Involved

Primary Equipment Involved	Gas Plant
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	78
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
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.

Date(s) and Time(s)

Date venting or flaring was discovered or commenced	07/27/2021
Time venting or flaring was discovered or commenced	10:00 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	07/27/2021
Time venting or flaring was terminated	12:00 PM
Total duration of venting or flaring in hours, if venting or flaring has terminated	2
Longest duration of cumulative hours within any 24-hour period during this event	2

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 Well Natural Gas Flared Spilled: 120 Mcf Recovered: 0 Mcf Lost: 120 Mcf]
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	metered volume
Is this a gas only submission (i.e. only 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 or flaring a result of downstream activity	Yes
Date notified of downstream activity requiring this venting or flaring	Not answered.
Time notified of downstream activity requiring this venting or flaring	Not answered.

Steps and Actions to Prevent Waste

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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	Malfunction at midstream gatherer's plant resulting in high line pressure
Steps taken to limit the duration and magnitude of venting or flaring	Corrective action not in our control.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Monitor and adjust compression.

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CONDITIONS

Action 30527

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Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID: 15363
	Action Number: 30527
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
system	If the information provided in this report requires an amendment, submit a [C-129] Request to Amend Venting and/or Flaring Incident, utilizing your incident number from this event.	7/29/2021