

Analysis Certificate Report

Lucid Energy Group-PURCHASER

8/16/2021 5:01 AM

3100 McKinnon St #800
Dallas, TX 75201

PGAS Admin

Analysis ID: 12770		Alternate ID:		Use Contract Values: No	
Name		FEDERAL EF COM #1		Company Name: Lucid Energy Group	
Effective Date:	09/01/2020 08:00	Saturated HV:	1133.7	Sample Date:	01/09/2019
Valid Thru Date:	12/31/2078 00:00	As Del. HV:	1149.8	Sample ID:	
Fixed Edit Date:	09/01/2021 08:00	Dry HV:	1152.6	Sample Type:	Spot
Last Update:	10/03/2020 13:38	Measured HV:	1152.6	Sample Pressure Base:	14.650
Data Acquisition:	File Transfer from Lab	WOBBE:	1418.1	Sample Temperature:	56.0
Data Source:	Lab Analysis	Water Content:	0.0	Sample Pressure:	89.0
Real Relative Density:	0.6606	Status:	Active	Lab Code:	M55951
Component	% Mol	GPM	Dry Gravity		
Methane	87.3110		Saturated Gravity		
Ethane	6.7890	1.8105			
Propane	2.6110	0.7173			
I Butane	0.3650	0.1191			
N Butane	0.7020	0.2207			
I Pentane	0.2090	0.0762			
N Pentane	0.2140	0.0774			
Hexanes +	0.6520	0.2837			
Nitrogen	0.9550				
CO2	0.1920				
Oxygen	0.0000				
H2O	0.0000				
CO	0.0000				
H2S	0.0000				
Hydrogen	0.0000				
Helium	0.0000				
Argon	0.0000				
Total	100.0000	3.3049			

Sample Comments:

Configuration Comments:

Return to original contract

HOURLY GAS VOLUME STATEMENT

EOG Resources, Inc.

November 11, 2021

Meter #: ART82104

Name: Federal EF #1 Flare

Pressure Base:	14.730 psia	Meter Status:		CO2	N2	C1	C2	C3	IC4	NC4	IC5
Temperature Base:	60.00 °F	Contract Hr.:	Midnight	0.192	0.955	87.311	6.789	2.611	0.365	0.702	0.209
Atmos Pressure:	13.200 psi	Full Wellstream:		NC5	neo	C6	C7	C8	C9	C10	
Calc Method:	AGA3-1992	WV Technique:		0.214		0.652	0.000	0.000	0.000	0.000	
Z Method:	AGA-8 Detail (1992)	WV Method:		Ar	CO	H2	O2	He	H2O	H2S	H2S ppm
Tube I.D.:	3.0660 in	HV Cond:		0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Tap Location:	Upstream	Meter Type:	EFM								
Tap Type:	Flange	Interval:	1 Hour								

Hour	Differential (In. H2O)	Pressure (psia)	Temp. (°F)	Flow Time (hrs)	Relative Density	Plate (inches)	Volume (Mcf)	Heating Value (Btu/scf)	Energy (MMBtu)	Edited
0	0.00	0.00	0.00	0.00		1.5000	0.00			Yes
1	0.00	0.00	0.00	0.00		1.5000	0.00			Yes
2	0.00	0.00	0.00	0.00		1.5000	0.00			Yes
3	0.00	0.00	0.00	0.00		1.5000	0.00			Yes
4	0.00	0.00	0.00	0.00		1.5000	0.00			Yes
5	0.00	0.00	0.00	0.00		1.5000	0.00			Yes
6	0.00	0.00	0.00	0.00		1.5000	0.00			Yes
7	0.00	0.00	0.00	0.00		1.5000	0.00			Yes
8	79.94	67.65	51.14	1.00	0.6606	1.5000	42.79	1152.60	49.32	No
9	46.46	50.42	59.80	1.00	0.6606	1.5000	27.94	1152.60	32.21	No
10	36.22	45.65	62.59	0.80	0.6606	1.5000	18.68	1152.60	21.53	No
11	81.98	78.21	40.33	0.26	0.6606	1.5000	12.33	1152.60	14.21	Yes
Total	62.97	60.16	54.31	3.06	0.6606		101.74		117.26	

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 61821

QUESTIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 61821
	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	[30-015-21518] FEDERAL EF COM #001
Incident Facility	Not answered.

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 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.
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

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	87
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
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 and/or flaring was discovered or commenced	11/11/2021
Time venting and/or flaring was discovered or commenced	11:00 AM
Time venting and/or flaring was terminated	12:00 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: Other Well Natural Gas Flared Released: 100 Mcf Recovered: 0 Mcf Lost: 100 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.	True
Please explain reason for why this event was beyond your operator's control	Well is being prepared to be plugged and residual gas was flared
Steps taken to limit the duration and magnitude of venting and/or flaring	Well is being plugged
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Well will be P&A

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

CONDITIONS

Action 61821

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 61821
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
mmorales	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.	11/15/2021