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# Analysis Certificate Report

## Lucid Energy Group-PURCHASER

3100 McKinnon St #800  
Dallas, TX 75201

8/16/2021 5:01 AM

PGAS Admin

Analysis ID: 120

Alternate ID:

Use Contract Values: No

Name ALTWEIN B FEDERAL COM  
#1

Company Name: Lucid Energy Group

Effective Date:	09/01/2020 08:00	Saturated HV:	1126.8	Sample Date:	08/20/2019
Valid Thru Date:	12/31/2078 00:00	As Del. HV:	1125.7	Sample ID:	
Fixed Edit Date:	01/01/1900 00:00	Dry HV:	1128.2	Sample Type:	Spot
Last Update:	09/25/2020 17:40	Measured HV:	1145.5	Sample Pressure Base:	14.650
Data Acquisition:	File Transfer from Lab	WOBBE:	1391.6	Sample Temperature:	105.0
Data Source:	Lab Analysis	Water Content:		Sample Pressure:	61.0
Real Relative Density:	0.6573	Status:	Active	Lab Code:	

Component	% Mol	GPM	Dry Gravity	Saturated Gravity
Methane	87.1062			
Ethane	5.3899	1.4380		
Propane	2.0047	0.5509		
I Butane	0.3622	0.1182		
N Butane	0.6560	0.2063		
I Pentane	0.2351	0.0858		
N Pentane	0.2351	0.0850		
Hexanes +	0.9161	0.3988		

Nitrogen	1.0134	
CO2	0.2293	
Oxygen	0.0000	
H2O	1.8500	
CO	0.0000	
H2S	0.0020	
Hydrogen	0.0000	
Helium	0.0000	
Argon	0.0000	
<b>Total</b>	<b>100.0000</b>	<b>2.8830</b>

Sample Comments:

Configuration Comments:

Return to original contract

## HOURLY GAS VOLUME STATEMENT

EOG Resources, Inc.

December 1, 2021

Meter #: ART82105

Name: ALTWEIN FED COM#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	0.229	1.013	87.106	5.390	2.005	0.362	0.656	0.235
Atmos Pressure:	13.200 psi	Full Wellstream:		NC5	neo	C6	C7	C8	C9	C10	
Calc Method:	AGA3-1992	WV Technique:		0.235		0.916	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:	EFM	0.000	0.000	0.000	0.000	0.000	1.850	0.002	
Tap Location:	Upstream	Meter Type:	1 Hour								
Tap Type:	Flange	Interval:									

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	0.00	0.00	0.00	0.00		1.5000	0.00			Yes
9	0.00	0.00	0.00	0.00		1.5000	0.00			Yes
10	0.00	0.00	0.00	0.00		1.5000	0.00			Yes
11	0.00	0.00	0.00	0.00		1.5000	0.00			Yes
12	0.00	0.00	0.00	0.00		1.5000	0.00			Yes
13	73.64	75.39	2.17	1.00	0.6573	1.5000	45.88	1128.20	51.76	No
14	101.19	80.29	9.10	1.00	0.6573	1.5000	54.90	1128.20	61.94	No
15	156.86	103.20	41.91	0.82	0.6573	1.5000	61.48	1128.20	69.36	No
16	0.00	12.97	58.10	0.00	0.6573	1.5000	0.00	1128.20	0.00	No
17	0.00	12.98	54.83	0.00	0.6573	1.5000	0.00	1128.20	0.00	No
18	0.00	12.98	50.20	0.00	0.6573	1.5000	0.00	1128.20	0.00	No
19	0.00	12.97	47.38	0.00	0.6573	1.5000	0.00	1128.20	0.00	No
20	0.00	12.97	45.77	0.00	0.6573	1.5000	0.00	1128.20	0.00	No
21	0.00	12.97	42.57	0.00	0.6573	1.5000	0.00	1128.20	0.00	No
22	0.00	12.96	38.83	0.00	0.6573	1.5000	0.00	1128.20	0.00	No
23	0.00	12.96	36.75	0.00	0.6573	1.5000	0.00	1128.20	0.00	No
Total	114.49	87.58	19.57	2.82	0.6573		162.26		183.06	

## HOURLY GAS VOLUME STATEMENT

EOG Resources, Inc.

December 2, 2021

Meter #: ART82105

Name: ALTWEIN FED COM#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	0.229	1.013	87.106	5.390	2.005	0.362	0.656	0.235
Atmos Pressure:	13.200 psi	Full Wellstream:		NC5	neo	C6	C7	C8	C9	C10	
Calc Method:	AGA3-1992	WV Technique:		0.235		0.916	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	1.850	0.002	
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	12.96	36.99	0.00	0.6573	1.5000	0.00	1128.20	0.00	No
1	0.00	12.96	38.84	0.00	0.6573	1.5000	0.00	1128.20	0.00	No
2	0.00	12.96	38.79	0.00	0.6573	1.5000	0.00	1128.20	0.00	No
3	0.00	12.96	39.55	0.00	0.6573	1.5000	0.00	1128.20	0.00	No
4	0.00	12.96	39.20	0.00	0.6573	1.5000	0.00	1128.20	0.00	No
5	0.00	12.96	36.33	0.00	0.6573	1.5000	0.00	1128.20	0.00	No
6	0.00	12.96	35.60	0.00	0.6573	1.5000	0.00	1128.20	0.00	No
7	0.00	12.97	43.89	0.00	0.6573	1.5000	0.00	1128.20	0.00	No
8	0.00	12.99	61.53	0.00	0.6573	1.5000	0.00	1128.20	0.00	No
9	0.00	12.99	68.09	0.00	0.6573	1.5000	0.00	1128.20	0.00	No
10	0.00	13.02	78.56	0.00	0.6573	1.5000	0.00	1128.20	0.00	No
11	0.00	13.00	86.29	0.00	0.6573	1.5000	0.00	1128.20	0.00	No
12	0.00	12.98	86.84	0.00	0.6573	1.5000	0.00	1128.20	0.00	No
Total	0.00	12.97	53.12	0.00	0.6573		0.00		0.00	

**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 65052

**QUESTIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 65052
	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	[30-015-25286] ALTWEIN FEDERAL 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	20
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	12/01/2021
Time venting and/or flaring was discovered or commenced	01:00 PM
Time venting and/or flaring was terminated	03:00 PM
Cumulative hours during this event	3

**Measured or Estimated Volume of Vented or Flared Natural Gas**

Natural Gas Vented (Mcf) Details	Not answered.
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Natural Gas Flared (Mcf) Details	Cause: Other   Gas Well   Natural Gas Flared   Released: 159 Mcf   Recovered: 0 Mcf   Lost: 159 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	This well is being plugged, if there's any residual gas it has to be flared in order to safely proceed with the plugging and abandonment process.
Steps taken to limit the duration and magnitude of venting and/or flaring	Plugging well
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Plugging well

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CONDITIONS  
  
Action 65052

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 65052
	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.	12/6/2021