

Atchafalaya Measurement, Inc.

416 East Main Street

Artesia, NM 88210 575-746-3481

Sample Information

	Sample Information
Sample Name	Cimarex__State LF 30 4H CDP Check__GC1-1318-10
Station Number	NCP9680028
Lease Name	State LF 30 4H CDP Check
Analysis for	Cimarex Energy
Producer	Cimarex Energy
Field Name	Hobbs
County	Lea
State	NM
Frequency	Quarterly
Sample Deg F	70
Atmos Deg F	55
Flow Rate	62.4
LinePSIG	64.8
Date Sampled	12-29-17
Sampled By	Jason Fairfield
Analysis By	Pat Silvas
Report Date	2018-01-03 10:13:16

Component Results

Component Name	Ret. Time	Peak Area	Norm%	PPMV	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	22.060	11392.0	2.14542	21454.200	0.237
H2S	46.000	0.0	0.00000	0.000	0.000
Methane	22.920	287560.8	69.63529	696352.900	11.858
Carbon Dioxide	26.640	2686.2	0.42389	4238.900	0.073
Ethane	36.940	98098.6	14.20594	142059.400	3.816
Propane	79.160	70495.8	7.60520	76052.000	2.105
i-Butane	28.640	59677.5	0.83698	8369.800	0.275
n-Butane	30.240	163996.8	2.21610	22161.000	0.702
i-Pentane	35.380	41617.5	0.47710	4771.000	0.175
n-Pentane	37.480	55748.9	0.62207	6220.700	0.227
Hexanes Plus	120.000	167517.0	1.83201	18320.100	0.799
Total:			100.00000	1000000.000	20.266

Results Summary

Result	Dry	Sat. (Base)
Total Raw Mole% (Dry)	104.51344	
Total Amount PPM (Mole/Vol.)	1000000.000	
Pressure Base (psia)	14.730	
Temperature Base	60.0	
Gross Heating Value (BTU / Ideal cu.ft.)	1386.8	1362.6
Gross Heating Value (BTU / Real cu.ft.)	1393.4	1369.7
Relative Density (G), Ideal	0.8238	0.8203
Relative Density (G), Real	0.8273	0.8242
Compressibility (Z) Factor	0.9953	0.9948

STATE LF 30-4H FLARE		Digital (gas)												14983	
		8/20/21	8/15/2021	8/14/2021	8/13/2021	8/12/2021	8/11/2021	8/10/2021	8/9/2021	8/8/2021	8/7/2021	8/6/2021	8/5/2021	8/4/2021	8/3/2021
Static	(PSI)	40	45	35	40	53	77	37	37	38	35	39	40	45	40
Differential	(in H ₂ O)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gas Flowed	(MCF)	2.0	4.0	1.0	3.0	4.0	1.0	1.0	1.0	3.0	2.0	0.0	1.0	16.0	142.0

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 43086

QUESTIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 43086
	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	Not answered.
Incident Facility	[fAPP2123055378] STATE LF 30-4H

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	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 notification of a major venting and/or flaring	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	70
Nitrogen (N2) percentage, if greater than one percent	2
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	08/03/2021
Time venting and/or flaring was discovered or commenced	07:15 AM
Time venting and/or flaring was terminated	12:00 PM
Cumulative hours 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: Equipment Failure Gas Compressor Station Natural Gas Flared Released: 142 Mcf Recovered: 0 Mcf Lost: 142 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.
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 has been having a ton of compressor issues. Operator is trying to get the well up and running, and it is requiring a bit of flaring to get it started. There has been multiple compressor issues.
Steps taken to limit the duration and magnitude of venting and/or flaring	Third party operators are working to get them resolved.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Third Party operator has resolved problem and compressor should be fixed.

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 43086

CONDITIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 43086
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
jacosta01	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.	8/19/2021