

Atchafalaya Measurement, Inc.

416 East Main Street Artesia, NM 88210

575-746-3481

Inficon Micro GC Fusion F08904 R03RR2

	Sample Information
Sample Name	Cimarex__Triste Draw 25 8H__GC2-11320-02
Station Number	NCW1471331
Lease Name	Triste Draw 25 8H
Analysis For	Cimarex Energy
Producer	Cimarex Energy
Field Name	UNK
County/State	Lea,NM
Frequency/Spot Sample	Monthly
Sampling Method	Fill Empty
Sample Deg F	70
Atmos Deg F	50
Flow Rate	1375.974
Line PSIG	79
Date/Time Sampled	1-9-20
Cylinder Number	N/A
Cylinder Clean Date	N/A
Sampled By	Adam Lem
Analysis By	Pat Silvas
Verified/Calibration Date	1-13-20
Report Date	2020-01-13 08:29:18

Component Results

Component Name	Ret. Time	Peak Area	Norm%	PPMV	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	23.280	28589.8	2.11147	21114.700	0.000
H2S	0.000	0.0	0.00025	2.500	0.000
Methane	24.040	766211.3	72.72462	727246.200	0.000
Carbon Dioxide	27.940	134609.3	8.29726	82972.600	0.000
Ethane	37.300	156623.4	9.07869	90786.900	2.436
Propane	77.380	101910.7	4.55350	45535.000	1.259
i-butane	28.760	42296.9	0.53279	5327.900	0.175
n-Butane	30.260	108731.7	1.31467	13146.700	0.416
i-pentane	34.820	34723.3	0.36427	3642.700	0.134
n-Pentane	36.560	37784.8	0.37249	3724.900	0.135
Hexanes Plus	120.000	71780.0	0.64999	6499.900	0.283
Total:			100.00000	1000000.000	4.838

Results Summary

Result	Dry	Sat. (Base)
Total Raw Mole% (Dry)	99.14493	
Pressure Base (psia)	14.730	
Temperature Base	60.00	
Gross Heating Value (BTU / Ideal cu.ft.)	1135.4	1115.7
Gross Heating Value (BTU / Real cu.ft.)	1139.6	1120.2
Relative Density (G), Ideal	0.7892	0.7863
Relative Density (G), Real	0.7918	0.7892
Compressibility (Z) Factor	0.9964	0.9959

TRISTE DRAW 25 FED COM 8H-13H CDP FLARE		Digital (gas)							
		17360							
		7/15/2021	7/14/2021	7/13/2021	7/12/2021	7/11/2021	7/10/2021	7/9/2021	7/8/2021
▶ Static	(PSI)	141	135	129	161	141	144	144	165
Differential	(In H2O)	0	0	0	0	0	0	0	3
Gas Flowed	(MCF)	0.0	0.0	197.0	9.0	0.0	0.0	464.0	546.0
									178.0

6

12

3

2

23 hours

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 37420

QUESTIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 37420
	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	Not answered.
Prerequisite conflict detected	The following conflicts were detected and must be resolved to submit this application: • identify the well and/or facility involved in the venting and/or flaring.

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	Yes
Is this considered a submission for a notification of a major venting and/or flaring	Yes, major 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 within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	Not answered.

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	73
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	8
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	07/07/2021
Time venting and/or flaring was discovered or commenced	07:15 AM
Time venting and/or flaring was terminated	01:00 AM
Cumulative hours during this event	12

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 Gas Compressor Station Natural Gas Flared Released: 1,394 Mcf Recovered: 0 Mcf Lost: 1,394 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	Yes
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	Facility was experiencing several issues with compressor over the span of a week including high line pressure attributed to third party gas gatherer and mechanical issues. When facility was brought back online they began to unload. Wells were flowing to hard for compressor to keep up.
Steps taken to limit the duration and magnitude of venting and/or flaring	Wells were shut in and began to unload when coming back from shut in. Compressors were restored. Cimarex alerted the NMOCD on 7/8/2021 concerning the flare event exceeding 546 mcf.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Cimarex will continue to take proactive measures in regards to its communication and relationship with DCP in regards to its gathering system disruptions.

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CONDITIONS

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	Action Number: 37420
	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.	7/22/2021