

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									
		8/9/2021	8/8/2021	8/7/2021	8/6/2021	8/5/2021	8/4/2021	8/3/2021	8/2/2021	8/1/2021	7/31/2021
▶ Static	(PSI)	161	161	164	162	163	78	153	142	143	161
Differential	(In H ₂ O)	0	0	0	0	0	0	0	0	0	0
Gas Flowed	(MCF)	0.0	238.0	184.0	0.0	0.0	80.0	0.0	6.0	27.0	176.0

12.54

6.64

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 41868

QUESTIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 41868
	Action Type: [C-129] Venting and/or Flaring (C-129)

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, major 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	TRISTE DRAW 25 FED COM 8H-13H CDP FLARE
Facility Type	Flare Stack - (FS)

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 or flaring was discovered or commenced	07/31/2021
Time venting or flaring was discovered or commenced	07:15 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	08/08/2021
Time venting or flaring was terminated	01:00 AM
Total duration of venting or flaring in hours, if venting or flaring has terminated	13
Longest duration of cumulative hours within any 24-hour period during this event	7

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 Spilled: 705 Mcf Recovered: 0 Mcf Lost: 705 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 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

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	Event was a combination of High line pressure and equipment failure attributed to compressor issues.
Steps taken to limit the duration and magnitude of venting or flaring	Compressor was repaired and curtailment by third party gatherer has been resolved. It should be noted that wells were shut in to mitigate effect of flaring.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Cimarex will continue to take proactive steps to mitigate flaring including shutting in wells.

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CONDITIONS

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	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.	8/13/2021