

**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 Federal 5H CDP Check__GC2-11320-01
Station Number	NCP1471274
Lease Name	Triste Draw 25 Federal 5H CDP Check
Analysis For	Cimarex Energy
Producer	Cimarex Energy
Field Name	Triste
County/State	Lea,NM
Frequency/Spot Sample	Quarterly
Sampling Method	Fill Empty
Sample Deg F	76
Atmos Deg F	68
Flow Rate	2253.235
Line PSIG	80
Date/Time Sampled	1-9-20
Cylinder Number	N/A
Cylinder Clean Date	N/A
Sampled By	Michael Mirabal
Analysis By	Pat Silvas
Verified/Calibration Date	1-13-20
Report Date	2020-01-13 08:17:03

**Component Results**

Component Name	Ret. Time	Peak Area	Norm%	PPMV	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	23.300	30537.9	2.25484	22548.400	0.000
H2S	0.000	0.0	0.00050	5.000	0.000
Methane	24.060	762842.0	72.38872	723887.200	0.000
Carbon Dioxide	27.900	159830.8	9.84971	98497.100	0.000
Ethane	37.340	151716.0	8.79227	87922.700	2.359
Propane	77.500	92235.9	4.12030	41203.000	1.139
i-butane	28.740	37604.3	0.47357	4735.700	0.155
n-Butane	30.260	90717.6	1.09662	10966.200	0.347
i-pentane	34.840	29921.4	0.31382	3138.200	0.115
n-Pentane	36.600	30711.9	0.30270	3027.000	0.110
Hexanes Plus	120.000	44950.0	0.40695	4069.500	0.177
Total:			100.00000	1000000.000	4.403

**Results Summary**

Result	Dry	Sat. (Base)
Total Raw Mole% (Dry)	99.16700	
Pressure Base (psia)	14.730	
Temperature Base	60.00	
Gross Heating Value (BTU / Ideal cu.ft.)	1089.7	1070.7
Gross Heating Value (BTU / Real cu.ft.)	1093.5	1074.9
Relative Density (G), Ideal	0.7864	0.7836
Relative Density (G), Real	0.7888	0.7863
Compressibility (Z) Factor	0.9965	0.9961

TRISTE DRAW 25 FEDERAL 5H FLARE		Digital (gas)					14829				
		6/2021	11/25/2021	11/24/2021	11/23/2021	11/22/2021	11/21/2021	11/20/2021	11/19/2021	11/18/2021	11/17/2021
▶ Static	(PSI)	104	99	101	102	95	75	73	85	85	117
	Differential (In H2O)	0	0	0	0	0	0	0	0	0	0
	Gas Flowed (MCF)	0.0	0.0	0.0	0.0	0.0	274.0	269.0	0.0	21.0	93.0
	Max Flow Pressure						EACHITY COMPS	EACHITY COMPS		EACHITY COMPS	SUBTAINMENT

657

11 Hours intermittent flaring due to compressor down due to multiple mechanical issues also causing high line pressure

**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 64560

**QUESTIONS**

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 64560
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b>	
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	[fAPP2126940544] TRISTE DRAW 25 FEDERAL

<b>Determination of Reporting Requirements</b>	
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	Yes
Is this considered a submission for a venting and/or flaring event	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 withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

<b>Equipment Involved</b>	
Primary Equipment Involved	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	72
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	5
Carbon Dioxide (CO2) percentage, if greater than one percent	10
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.

<b>Date(s) and Time(s)</b>	
Date venting and/or flaring was discovered or commenced	11/17/2021
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	11

<b>Measured or Estimated Volume of Vented or Flared Natural Gas</b>	
Natural Gas Vented (Mcf) Details	Not answered.

Natural Gas Flared (Mcf) Details	Cause: Equipment Failure   Gas Compressor Station   Natural Gas Flared   Released: 657 Mcf   Recovered: 0 Mcf   Lost: 657 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	11 Hours intermittent flaring due to compressor down due to multiple mechanical issues including discharges and broken wire on pressure transducer. High line pressure also contributed to issues.
Steps taken to limit the duration and magnitude of venting and/or flaring	Field team responded to compressor issues.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Compressor has been fixed and unit is back online.

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CONDITIONS  
  
Action 64560

CONDITIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 64560
	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.	12/1/2021