

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			
	1/27/2022	1/26/2022	1/25/2022
▶ Static	(PSI) 85	62	67
Differential	(In H2O) 0	0	0
Gas Flowed	(MCF) 8.0	225.0	631.0

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District III
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District IV
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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

DEFINITIONS

Action 79044

DEFINITIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 79044
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application: • this application's operator, hereinafter "this operator"; • venting and/or flaring, hereinafter "vent or flare"; • any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms"; • the statements in (and/or attached to) this, hereinafter "the statements in this"; • and the past tense will be used in lieu of mixed past/present tense questions and statements.
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QUESTIONS

Action 79044

QUESTIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 79044
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 Operator	[215099] CIMAREX ENERGY CO.
Incident Type	Flare
Incident Status	Closure Not Approved
Incident Well	Not answered.
Incident Facility	[fAPP2123748590] TRISTE DRAW 25 FED COM 8H-13H
Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.	

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 this vent or flare caused by an emergency or malfunction	Yes
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a vent or flare 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 at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this vent or flare 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 vent or flare within an incorporated municipal boundary or within 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	73
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	3
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.

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QUESTIONS, Page 2

Action 79044

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 79044
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/24/2022
Time vent or flare was discovered or commenced	07:15 AM
Time vent or flare was terminated	08:00 PM
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: Equipment Failure Gas Compressor Station Natural Gas Flared Released: 856 Mcf Recovered: 0 Mcf Lost: 856 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 this vent or flare a result of downstream activity	No
Was notification of downstream activity received by this operator	Not answered.
Downstream OGRID that should have notified this operator	Not answered.
Date notified of downstream activity requiring this vent or flare	Not answered.
Time notified of downstream activity requiring this vent or flare	Not answered.

Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control	True
Please explain reason for why this event was beyond this operator's control	Compressor down and emergency shut in failed to enact for flare reached over 500 mcf. This is the second notice as as flare reached over 500 mcf for the next day.
Steps taken to limit the duration and magnitude of vent or flare	Mechanic was called in to fix compressor unit and ESD was fixed as well to prevent this from happening again.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Compressor has been fix and Emergency Shut In ("ESD") has been enabled again.

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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

☒	I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC.
☒	I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record.
☒	I hereby certify the statements in this amending report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.
☒	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
☒	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

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CONDITIONS

Action 79044

CONDITIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 79044
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CONDITIONS

Created By	Condition	Condition Date
jacosta01	If the information provided in this report requires further amendment(s), submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	2/7/2022