

Atchafalaya Measurement, Inc.
 416 East Main Street Artesia, NM 88210 575-746-3481

Sample Information

	Sample Information
Sample Name	Cimarex__New Mexico DD State Com 4H Audit Ent__GC1-62118-03
Station Number	NCW9588525
Lease Name	New Mexico DD State Com 4H Audit Ent
Analysis For	Cimarex Energy
Producer	Cimarex Energy
Field Name	N/A
County	Eddy
State	NM
Frequency	Quarterly
Sample Deg F	86
Atmos Deg F	92
Flow Rate	199.4
Line PSIG	478.3
Date Sampled	6-18-18
Sampled By	Jason Fairfield
Analysis By	Pat Silvas
Report Date	2018-06-21 07:54:27

Component Results

Component Name	Ret. Time	Peak Area	Norm%	PPMV	GPM (Dry) (Gal. / 1000 cu.ft.)	
Nitrogen	22.160	30128.3	6.02546	60254.600	0.000	
H2S	46.000	0.0	0.00000	0.000	0.000	
Methane	23.020	259788.6	66.80724	668072.400	0.000	
Carbon Dioxide	26.740	8487.3	1.42229	14222.900	0.000	
Ethane	36.960	82115.6	12.62806	126280.600	3.392	
Propane	79.020	57141.2	6.54637	65463.700	1.811	
i-butane	28.740	64781.9	0.96485	9648.500	0.317	
n-Butane	30.300	168643.7	2.42007	24200.700	0.766	
i-pentane	35.420	60931.0	0.74178	7417.800	0.272	
n-Pentane	37.500	69691.7	0.82583	8258.300	0.301	
Hexanes Plus	120.000	139322.0	1.61805	16180.500	0.705	
Total:			100.00000	1000000.000	7.564	

Results Summary

Result	Dry	Sat. (Base)	
Total Raw Mole% (Dry)	98.41659		
Pressure Base (psia)	14.730		
Temperature Base	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1322.1	1299.1	
Gross Heating Value (BTU / Real cu.ft.)	1328.1	1305.5	
Relative Density (G), Ideal	0.8397	0.8360	
Relative Density (G), Real	0.8432	0.8397	
Compressibility (Z) Factor	0.9955	0.9951	



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Intermediate flaring:

Company Search Connections Diagram Route Map ☆				
35127				
Merrick ID	Name			
35127	NEW MEXICO DD STATE COM 4 FLARE			

Daily Monthly				
Daily				
Record Date	Initial Pressure	Gas Temp	Gas Flowed	Hours Flowed
1/11/2024	0	52	0.00	0
1/10/2024	74	71	324.00	07:02
1/9/2024	29	37	28.00	01:05

Event Date	Volume Flowed (mcf)	Duration (hrs)
01/09/2024	324	7.03

Details:

[226737] HUNTER GAS GATHERING, DUMP VALVE MALFUNCTION, MIDSTREAM AND MARKETING TO EVALUATE

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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 305618

DEFINITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd, Ste 300N Midland, TX 79706	OGRID: 162683
	Action Number: 305618
	Action Type: [C-129] Venting and/or Flaring (C-129)

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: <ul style="list-style-type: none">• 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 305618

QUESTIONS

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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	Unavailable.
Incident Facility	[fAPP2201824280] NEW MEXICO DD STATE COM 4

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	No
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a vent or flare event	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 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 withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved	
Primary Equipment Involved	Dump Valve
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	85
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) 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	0
Nitrogen (N2) percentage quality requirement	0
Hydrogen Sufide (H2S) PPM quality requirement	0
Carbon Dioxide (C02) percentage quality requirement	0
Oxygen (O2) percentage quality requirement	0

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QUESTIONS, Page 2

Action 305618

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/09/2024
Time vent or flare was discovered or commenced	05:00 AM
Time vent or flare was terminated	12:00 PM
Cumulative hours 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: Other Dump Valve Natural Gas Flared Released: 324 Mcf Recovered: 0 Mcf Lost: 324 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	Dump valve malfunction
Steps taken to limit the duration and magnitude of vent or flare	MINIMIZED FLARE EVENT DURATION
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	MIDSTREAM AND MARKETING TO EVALUATE

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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a complete C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
<input checked="" type="checkbox"/>	I hereby certify the statements in this 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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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

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CONDITIONS

Created By	Condition	Condition Date
adolby01	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.	1/19/2024