

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

Sample Information

	Sample Information
Sample Name	Cimarex__Hackberry 23 Federal 2H WH Allocation__GC2-71918-16
Station Number	NCW0023061
Lease Name	Hackberry 23 Federal 2H WH Allocation
Analysis For	Cimarex Energy
Producer	Cimarex Energy
Field Name	N/A
County	Eddy
State	NM
Frequency	Quarterly
Sample Deg F	86.1
Atmos Deg F	77
Flow Rate	461.7
Line PSIG	47.2
Date Sampled	7-13-18
Sampled By	Jason Fairfield
Analysis By	Pat Silvas
Report Date	2018-07-19 14:43:04

Component Results

Component Name	Ret. Time	Peak Area	Norm%	PPMV	GPM (Dry) (Gal. / 1000 cu.ft.)	
Nitrogen	22.740	39609.9	2.99465	29946.500	0.000	
H2S	0.000	0.0	0.00000	0.000	0.000	
Methane	23.540	757725.9	74.80075	748007.500	0.000	
Carbon Dioxide	27.400	2112.5	0.13519	1351.900	0.000	
Ethane	36.980	201367.5	12.07117	120711.700	3.240	
Propane	77.800	124862.8	5.68460	56846.000	1.572	
i-butane	28.620	53253.5	0.70422	7042.200	0.231	
n-Butane	30.120	139470.6	1.76587	17658.700	0.559	
i-pentane	34.720	40265.3	0.42624	4262.400	0.156	
n-Pentane	36.460	42482.8	0.43502	4350.200	0.158	
Hexanes Plus	120.000	104595.0	0.98229	9822.900	0.428	
Total:			100.00000	1000000.000	6.344	

Results Summary

Result	Dry	Sat. (Base)	
Total Raw Mole% (Dry)	99.79413		
Pressure Base (psia)	14.730		
Temperature Base	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1280.5	1258.2	
Gross Heating Value (BTU / Real cu.ft.)	1285.4	1263.6	
Relative Density (G), Ideal	0.7598	0.7574	
Relative Density (G), Real	0.7625	0.7604	
Compressibility (Z) Factor	0.9961	0.9957	



Coterra Energy Inc.
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9466 HACKBERRY 23 FEDERAL 1H,2H,3H FLARE								
Date ▼	Gas Flowed	Hours Flowed	Static Pressure	Differential Pressure	Line Pressure	Orifice Plate Diameter	Pipe Diameter	Pressure Base
4/28/2022	65.00	24	80	0	0	0	0	0

Intermediate flaring by date in hours:

4/28/2022 0.33 1

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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 106955

DEFINITIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 106955
	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: • 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 106955

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	Not answered.
Incident Facility	[fAPP2130752016] HACKBERRY 23 FEDERAL 1H,2H,3H

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	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	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	24
Nitrogen (N2) percentage, if greater than one percent	23
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	27
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

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QUESTIONS (continued)

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	Action Number: 106955
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	04/28/2022
Time vent or flare was discovered or commenced	07:15 AM
Time vent or flare was terminated	05:29 PM
Cumulative hours during this event	1

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 Valve Natural Gas Flared Released: 65 Mcf Recovered: 0 Mcf Lost: 65 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	Yes
Was notification of downstream activity received by this operator	No
Downstream OGRID that should have notified this operator	[36785] DCP OPERATING COMPANY, LP
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	DCP
Steps taken to limit the duration and magnitude of vent or flare	Facility issue - High/low valve closed
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Midstream & Marketing to evaluate

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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

☒	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.
☒	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.
☒	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.
☒	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

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	Action Number: 106955
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CONDITIONS

Created By	Condition	Condition Date
bgordon01	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.	5/16/2022