

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

Sample Information

	Sample Information
Sample Name	Cimarex__Chosa Draw 27 Federal 3H WH Allocation__GC1-62818-15
Station Number	NCW9588355
Lease Name	Chosa Draw 27 Federal 3H WH Allocation
Analysis For	Cimarex Energy
Producer	Cimarex Energy
Field Name	N/A
County	Eddy
State	NM
Frequency	Quarterly
Sample Deg F	88
Atmos Deg F	79
Flow Rate	321.8
Line PSIG	41.9
Date Sampled	6-25-18
Sampled By	Jason Fairfield
Analysis By	Pat Silvas
Report Date	2018-06-28 14:31:50

Component Results

Component Name	Ret. Time	Peak Area	Norm%	PPMV	GPM (Dry) (Gal. / 1000 cu.ft.)	
Nitrogen	22.140	4075.5	0.83831	8383.100	0.000	
H2S	46.000	0.0	0.00000	0.000	0.000	
Methane	22.960	301595.5	79.76947	797694.700	0.000	
Carbon Dioxide	26.740	1431.6	0.24674	2467.400	0.000	
Ethane	36.920	66352.4	10.49485	104948.500	2.817	
Propane	79.120	36379.3	4.28661	42866.100	1.185	
i-butane	28.740	48140.6	0.73744	7374.400	0.242	
n-Butane	30.320	99575.1	1.46966	14696.600	0.465	
i-pentane	35.360	35894.6	0.44944	4494.400	0.165	
n-Pentane	37.420	39327.0	0.47930	4793.000	0.174	
Hexanes Plus	120.000	102821.0	1.22818	12281.800	0.535	
Total:			100.00000	1000000.000	5.583	

Results Summary

Result	Dry	Sat. (Base)	
Total Raw Mole% (Dry)	95.68856		
Pressure Base (psia)	14.730		
Temperature Base	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1274.3	1252.1	
Gross Heating Value (BTU / Real cu.ft.)	1279.1	1257.4	
Relative Density (G), Ideal	0.7349	0.7329	
Relative Density (G), Real	0.7373	0.7357	
Compressibility (Z) Factor	0.9963	0.9958	



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9628 CHOSA DRAW 27 FEDERAL 3H FLARE								
Date ▼	Gas Flowed	Hours Flowed	Static Pressure	Differential Pressure	Line Pressure	Orifice Plate Diameter	Pipe Diameter	Pressure Base
5/28/2022	163.00	0	18	0	5	1.25	2.067	14.73
5/27/2022	71.00	0	108	0	95	1.25	2.067	14.73
5/26/2022	78.00	0	46	0	33	1.25	2.067	14.73

Intermittent flaring:

5/26	78	5.81 hours
5/27	71	6.45 hours
5/28	163	6.26 hours

Total 312 & 18.52 hours

Details:

Facilities Issues – high H₂S, made adjustments, routine maintenance

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District III
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Phone:(505) 334-6178 Fax:(505) 334-6170
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 115051

DEFINITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 600 N. Marienfeld Street Midland, TX 79701	OGRID: 162683
	Action Number: 115051
	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 115051

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	[fAPP2202535195] CHOSA DRAW 27 FEDERAL 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	Yes
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	23
Nitrogen (N2) percentage, if greater than one percent	22
Hydrogen Sulfide (H2S) PPM, rounded up	46
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

Action 115051

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	05/26/2022
Time vent or flare was discovered or commenced	07:15 AM
Time vent or flare was terminated	05:30 PM
Cumulative hours during this event	19

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Normal Operations Separator Natural Gas Flared Released: 312 Mcf Recovered: 0 Mcf Lost: 312 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	FACILITIES ISSUES - HIGH H2S
Steps taken to limit the duration and magnitude of vent or flare	MADE ADJUSTMENTS
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	ROUTINE MAINTENANCE

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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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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.	6/8/2022