

Atchafalaya Measurement, Inc.

416 East Main Street

Artesia, NM 88210 575-746-3481

Sample Information

	Sample Information
Sample Name	Cimarex__James Federal 20H WH Allocation__GC2-12918-22
Station Number	NCW1471154
Lease Name	James Federal 20H WH Allocation
Analysis for	Cimarex Energy
Producer	Cimarex Energy
Field Name	Hobbs
County	Lea
State	NM
Frequency	Quarterly
Sample Deg F	63.2
Atmos Deg F	64.0
Flow Rate	848.1282
LinePSIG	45.5
Date Sampled	1-26-18
Sampled By	Derek Sauder
Analysis By	Pat Silvas
Report Date	2018-01-29 15:21:09

Component Results

Component Name	Ret. Time	Peak Area	Norm%	PPMV	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	22.580	30287.0	2.28518	22851.800	0.252
H2S	0.000	0.0	0.00013	1.300	0.000
Methane	23.380	732518.5	72.16636	721663.600	12.276
Carbon Dioxide	26.860	147794.7	9.43932	94393.200	1.616
Ethane	36.980	143437.1	8.58111	85811.100	2.303
Propane	77.900	92629.9	4.20863	42086.300	1.163
i-Butane	28.600	40744.6	0.53772	5377.200	0.177
n-Butane	30.120	102145.1	1.29067	12906.700	0.408
i-Pentane	34.700	34476.4	0.36422	3642.200	0.134
n-Pentane	36.460	37936.1	0.38768	3876.800	0.141
Hexanes Plus	120.000	78847.0	0.73898	7389.800	0.322
Total:			100.00000	1000000.000	18.792

Results Summary

Result	Dry	Sat. (Base)
Total Raw Mole% (Dry)	99.99601	
Total Amount PPM (Mole/Vol.)	1000000.000	
Pressure Base (psia)	14.730	
Temperature Base	60.0	
Gross Heating Value (BTU / Ideal cu.ft.)	1116.8	1097.4
Gross Heating Value (BTU / Real cu.ft.)	1120.9	1101.9
Relative Density (G), Ideal	0.7976	0.7946
Relative Density (G), Real	0.8002	0.7975
Compressibility (Z) Factor	0.9963	0.9959

JAMES FEDERAL 20H FLARE		Digital (gas)				10574		
		3/2021	12/2/2021	12/1/2021	11/30/2021	11/29/2021	11/28/2021	11/27/2021
▶ Static	(PSI)	50	50	45	70	97	64	64
Differential	(In H2O)	0	0	0	0	0	0	0
Gas Flowed	(MCF)	0.0	0.0	0.0	0.0	37.0	6.0	403.0

11 hours

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

DEFINITIONS

Action 66814

DEFINITIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 66814
	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 66814

QUESTIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 66814
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites	
<i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident Well	Not answered.
Incident Facility	[fAPP2128646337] JAMES FEDERAL 20H & James 29 35H & 36H

Determination of Reporting Requirements	
<i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
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.
<i>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.</i>	
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	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	72
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	9
Oxygen (O2) percentage, if greater than one percent	0
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
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 66814

QUESTIONS (continued)

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	Action Number: 66814
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	11/26/2021
Time vent or flare was discovered or commenced	07:15 AM
Time vent or flare was terminated	12:00 PM
Cumulative hours during this event	11

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: 550 Mcf Recovered: 0 Mcf Lost: 550 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 mechanical issues including low discharges and valve resulted in intermittent flaring for 3 days.
Steps taken to limit the duration and magnitude of vent or flare	Field team and mechanic repaired compressor.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Compressor has been fixed and is online now.

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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

Action 66814

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Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 66814
	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.	12/14/2021