

**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				
		9/20/2021	9/28/2021	9/27/2021
▶ Static	(PSI)	71	68	135
Differential	(In H2O)	0	0	12
Gas Flowed	(MCF)	0.0	80.0	72.0

5 Hours

**District I**1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720**District II**811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720**District III**1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170**District IV**1220 S. St Francis Dr., Santa Fe, NM 87505  
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**

QUESTIONS

Action 55725

**QUESTIONS**

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 55725
	Action Type: [C-129] Venting and/or Flaring (C-129)

**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	[fAPP2128646337] JAMES FEDERAL 20H & James 29 35H & 36H

**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 or is this venting and/or flaring caused by an emergency or malfunction	Yes
Did or will this venting and/or flaring last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a venting and/or flaring 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 or will there be at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this venting and/or flaring 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 venting and/or flaring 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	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
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.

**Date(s) and Time(s)**

Date venting and/or flaring was discovered or commenced	09/27/2021
Time venting and/or flaring was discovered or commenced	07:15 AM
Time venting and/or flaring was terminated	12:00 PM
Cumulative hours during this event	5

**Measured or Estimated Volume of Vented or Flared Natural Gas**

Natural Gas Vented (Mcf) Details	Not answered.
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Natural Gas Flared (Mcf) Details	Cause: Equipment Failure   Gas Compressor Station   Natural Gas Flared   Released: 152 Mcf   Recovered: 0 Mcf   Lost: 152 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 or is this venting and/or flaring a result of downstream activity	Not answered.
Was notification of downstream activity received by you or your operator	Not answered.
Downstream OGRID that should have notified you or your operator	Not answered.
Date notified of downstream activity requiring this venting and/or flaring	Not answered.
Time notified of downstream activity requiring this venting and/or flaring	Not answered.

**Steps and Actions to Prevent Waste**

For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control.	True
Please explain reason for why this event was beyond your operator's control	Compression went down to low discharge psi.
Steps taken to limit the duration and magnitude of venting and/or flaring	Field team responded to situation and alleviated failure.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Compressor is back online with no additional issues.

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CONDITIONS

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	Action Number: 55725
	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.	10/13/2021