



LABORATORY SERVICES
Natural Gas Analysis

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575.397.3713 2609 W Marland Hobbs NM 88240

For:	Cimarex Energy Attention: Chris Prater 600 N. Marientfeld, Suite 600 Midland, Texas 79701	Sample: Sta# NCW1471301 Identification: Cotton Draw 9L Fed. 4H Alloc Company: Cimarex Energy Lease: Plant:
Sample Data:	Sample Date: 7/13/2018 Analysis Date: 7/20/2018 Sample Temp: 109.7 F Sample Press.: 170.4 PSIA	Sampled by: T. Thomas Analysis by: V. McDaniel Atmos Temp: 85 F Sample Time: 3:30 PM

H2S = 0.2 PPM

Press. Base: 14.73

Component Analysis

		Mol Percent	GPM Real	GPM Ideal
Hydrogen Sulfide	H2S			
Nitrogen	N2	1.350		
Methane	C1	72.358		
Carbon Dioxide	CO2	0.636		
Ethane	C2	13.829	3.697	3.689
Propane	C3	7.220	1.989	1.984
I-Butane	IC4	0.872	0.285	0.285
N-Butane	NC4	2.053	0.647	0.646
I-Pentane	IC5	0.553	0.200	0.202
N-Pentane	NC5	0.503	0.218	0.182
Hexanes Plus	C6+	<u>0.626</u>	<u>0.272</u>	<u>0.271</u>
		100.000	7.308	7.259

REAL BTU/CU.FT.

At 14.65	1327.4 Dry 1305.7 Wet
At 14.696	1331.6 Dry 1309.8 Wet
At 14.73	1334.7 Dry 1312.8 Wet

Specific Gravity:

Calculated	(Real)	0.786
	(Ideal)	0.783

Remarks:

COTTON DRAW 9L FED CDP FLARE		Digital (gas)						9121	
		5/2021	11/14/2021	11/13/2021	11/12/2021	11/11/2021	11/10/2021	11/9/2021	11/8/2021
Static	(PSI)	13	13	13	13	13	15	13	13
Differential	(In H2O)	0	0	0	0	0	15	0	4
Gas Flowed	(MCF)	0.0	57.0	140.0	11.0	225.0	1.0	208.0	161.0

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 63218

QUESTIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 63218
	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	[fAPP2129348306] COTTON DRAW 9L

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	Yes
Is this considered a submission for a venting and/or flaring event	Yes, major 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	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	1
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	11/08/2021
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	12

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: 803 Mcf Recovered: 0 Mcf Lost: 803 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	Compressor went down causing intermittently flaring to 11/14/2021. Once compressor went back online wells unloaded casing the facility to flare again. At the time time DCP high/low had shut on sales line.
Steps taken to limit the duration and magnitude of venting and/or flaring	Field team fixed compressor and brought in online and responded to all events associated with this flare event.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Flare event consisted of multiple events but Cimarex responded to all events to limit duration and flare volumes.

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CONDITIONS

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	Action Number: 63218
	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.	11/23/2021