



**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. Mariefeld, 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		10/7/2021	10/6/2021	10/5/2021
➤ Static	(PSI)	13	13	13
	Differential (In H2O)	0	0	0
	Gas Flowed (MCF)	0.0	3.0	159.0

4.46 Hours

**District I**

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**District II**

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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 57064

**QUESTIONS**

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 57064
	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	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	1
Hydrogen Sulfide (H2S) PPM, rounded up	2
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	10/05/2021
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	4

**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: Other   Well   Natural Gas Flared   Released: 159 Mcf   Recovered: 0 Mcf   Lost: 159 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	Cotton Draw was well that kicked and caused us to exceed our sales pressure that caused the momentary flaring. Once they calmed down the flaring stopped.
Steps taken to limit the duration and magnitude of venting and/or flaring	Once pressure went down flaring stopped.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Field will continue to monitor well but no further flaring events have occurred.

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CONDITIONS

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	Action Number: 57064
	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.	10/20/2021