

Operator

6073G NCW0001040 Cottonberry 20 Fed Com 4H Ck
Sample Point Code Sample Point Name Sample Point Location

Laboratory Services 2021038761 0471 I Rangel - Spot

Container Identity Lab File No Source Laboratory Sampler USA **USA USA** New Mexico Area Name Field Name Facility Name Jan 26, 2021 12:15 Feb 2, 2021 Jan 26, 2021 12:15 Feb 2, 2021 11:59 Date Sampled Date Effective Date Received Date Reported 32.00 970.25 Torrance 88 @ 64 Ambient Temp (°F) Flow Rate (Mcf) Analyst Press PSI @ Temp °F Source Conditions Cimarex Energy NG

Normalized **Un-Normalized** Component **GPM** Mol % Mol % 0.0000 H2S (H2S) 0 1.6120 1.61232 Nitrogen (N2) 0.3750 0.37452 CO2 (CO2) 78.0140 78.0132 Methane (C1) 11.6240 11.62441 3.1080 Ethane (C2) 5.1880 5.18792 1.4290 Propane (C3) 0.5840 0.58382 0.1910 I-Butane (IC4) 1.4380 1.43815 0.4530 N-Butane (NC4) 0.3100 0.31017 0.1130 I-Pentane (IC5) N-Pentane (NC5) 0.3400 0.34001 0.1230 0.5150 0.51546 0.2230 Hexanes Plus (C6+) **TOTAL** 100.0000 100.0000 5.6400

Method(s): Gas C6+ - GPA 2261, Extended Gas - GPA 2286, Calculations - GPA 2172

Analyzou	Information
Analyzei	Information

Device Type: Gas Chromatograph Device Make: Shimadzu
Device Model: GC-2014 Last Cal Date: Jan 28, 2021

Gross Heating Values (Real, BTU/ft³)			
14.696 PSI (	@ 60.00 °F	14.73 PSI @	0 60.00 °F
Dry	Saturated	Dry	Saturated
1,246.9	1,226.6	1,249.8	1,229.4

Lab Source Description

Calculated Total Sample Properties

GPA2145-16 \*Calculated at Contract Conditions

Relative Density Real Relative Density Ideal

0.7288 0.7265

Molecular Weight 21.0390

C6+ Group Properties

Assumed Composition

> Field H2S **0 PPM**

PROTREND STATUS: DA
Passed By Validator on Feb 2, 2021 Im

DATA SOURCE: Imported

Torrance Latin

#### PASSED BY VALIDATOR REASON:

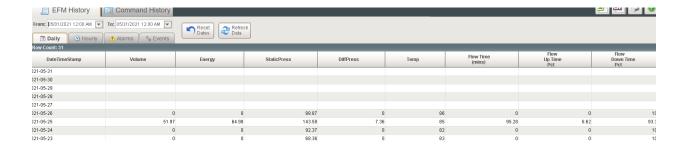
Close enough to be considered reasonable.

## VALIDATOR:

Torrance Galvan

**VALIDATOR COMMENTS:** 

OK



<u>District I</u> 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

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 29734

### **QUESTIONS**

Operator:	OGRID:
CIMAREX ENERGY CO.	215099
600 N. Marienfeld Street	Action Number:
Midland, TX 79701	29734
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

#### QUESTIONS

Determination of Reporting Requirements		
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional guidance.		
Was or is this venting or flaring caused by an emergency or malfunction	Yes	
Did or will this venting 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 notification of a major venting or flaring	Yes, minor venting or flaring of natural gas.	
The operator shall file a form C-141 instead of a form C-129 for a release that includes liquid during venting or flaring that is or may be a major or minor release under		
Was there or will there be <b>at least 50 MCF</b> of natural gas vented or flared during this event	Yes	
Did this venting or flaring result in the release of <b>ANY</b> 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	

Unregistered Facility Site		
Please provide the facility details, if the venting or flaring occurred or is occuring at a facility that does not have an Facility ID (f#) yet.		
Facility or Site Name	COTTONBERRY 20 FED COM 4H FLARE	
Facility Type	Flare Stack - (FS)	

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	78	
Nitrogen (N2) percentage, if greater than one percent	1	
Hydrogen Sulfide (H2S) PPM, rounded up	0	
Carbon Dioxide (C02) percentage, if greater than one percent	0	
Oxygen (02) 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 Sufide (H2S) PPM quality requirement	Not answered.	
Carbon Dioxide (C02) percentage quality requirement	Not answered.	
Oxygen (02) percentage quality requirement	Not answered.	

Date(s) and Time(s)	
Date venting or flaring was discovered or commenced	05/25/2021
Time venting or flaring was discovered or commenced	07:15 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	05/26/2021
Time venting or flaring was terminated	01:00 AM
Total duration of venting or flaring in hours, if venting or flaring has terminated	2
Longest duration of cumulative hours within any 24-hour period during this event	2

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   Spilled: 52 Mcf   Recovered: 0 Mcf   Lost: 52 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 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 or flaring a result of downstream activity	Yes
Date notified of downstream activity requiring this venting or flaring	Not answered.
Time notified of downstream activity requiring this venting or flaring	Not answered.

## Steps and Actions to Prevent Waste

•	9
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	Midstream compressor went down.
Steps taken to limit the duration and magnitude of venting or flaring	Return of compressor to online status ASAP.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Coordinate with midstream provider to investigate cause of compressor malfunction and ensure it
	does not go down again.

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

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** 

CONDITIONS

Action 29734

## **CONDITIONS**

Operator:	OGRID:
CIMAREX ENERGY CO.	215099
600 N. Marienfeld Street	Action Number:
Midland, TX 79701	29734
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

#### CONDITIONS

Created By	Condition	Condition Date
system	If the information provided in this report requires an amendment, submit a [C-129] Request to Amend Venting and/or Flaring Incident, utilizing your incident number from this event.	5/30/2021