www.permianls.com 575.397.3713 2609 W Marland Hobbs NM 88240



9943G NCW0001156 liverboat 12-1 WOMD FC 1H WH Allo Sample Point Code Sample Point Name Sample Point Location **Laboratory Services** 2021041321 0461 J Thorn - Spot Lab File No Container Identity Source Laboratory Sampler USA USA **USA** New Mexico District Area Name Field Name Facility Name Apr 22, 2021 10:50 Apr 22, 2021 10:50 May 6, 2021 May 5, 2021 11:11 Date Effective Date Sampled Date Received Date Reported

57.00 2,322.52 96 @ 96 Torrance Ambient Temp (°F) Flow Rate (Mcf) Analyst Press PSI @ Temp °F Source Conditions

Cimarex Energy NG Lab Source Description Operator

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	1.0570	1.05739	
CO2 (CO2)	0.0690	0.06907	
Methane (C1)	77.4000	77.39957	
Ethane (C2)	11.2140	11.21445	2.9980
Propane (C3)	5.7010	5.70076	1.5700
I-Butane (IC4)	0.8420	0.84187	0.2750
N-Butane (NC4)	2.0190	2.01877	0.6360
I-Pentane (IC5)	0.4110	0.41093	0.1500
N-Pentane (NC5)	0.4820	0.48245	0.1750
Hexanes Plus (C6+)	0.8050	0.80474	0.3490
TOTAL	100.0000	100.0000	6.1530

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

	Anaiyze	Analyzer Information		
Device Type:	Gas Chromatograph	Device Make:	Shima	

adzu Device Model: GC-2014 Last Cal Date: May 3, 2021

Gross Heating Values (Real, BTU/ft³)			
14.696 PSI (	@ 60.00 °F	14.73 PSI @	60.00 °F
Dry	Saturated	Dry	Saturated
1,298.4	1,277.3	1,301.4	1,280.3

Calculated Total S	ample Properties
GPA2145-16 *Calculated	l at Contract Conditions
Relative Density Real	Relative Density Ideal
0.7512	0.7486
Molecular Weight	
21.6865	

C6+ Group Properties			
	Assumed Composition		
C6 - 60.000%	C7 - 30.000%	C8 - 10.000%	
	Field H2S		

0 PPM PROTREND STATUS: DATA SOURCE:

Imported

PASSED BY VALIDATOR REASON: Previous sample was suspect

Passed By Validator on May 7, 2021

VALIDATOR: **Dustin Armstrong VALIDATOR COMMENTS:** OK

<mark>√"L</mark> RIVERBOAT	12-1 FED	сом ср	P FLARE	_	Digital (gas)		19621	_
		4/2021	7/13/2021	7/12/2021	7/11/2021	7/10/2021	7/9/2021	7/8/2021
Static	(PSI)	69	73	100	85	85	95	105
Differential	(In H2O	0	0	0	0	0	0	0
Gas Flowed	(MCF)	0.0	0.0	0.0	0.0	0.0	31.0	166.0

<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 37413

## **QUESTIONS**

Operator:	OGRID:
CIMAREX ENERGY CO.	215099
600 N. Marienfeld Street	Action Number:
Midland, TX 79701	37413
	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	Not answered.	
Prerequisite conflict detected	The following conflicts were detected and must be resolved to submit this application:  • identify the well and/or facility involved in the venting and/or flaring.	

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers at	nd may provide addional guidance.
Was or is this venting and/or flaring caused by an emergency or malfunction	No
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 notification of a major venting and/or flaring	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 v	renting 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 <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
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	Not answered.

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	77	
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 and/or flaring was discovered or commenced	07/08/2021
Time venting and/or flaring was discovered or commenced	07:15 AM
Time venting and/or flaring was terminated	01:00 AM
Cumulative hours during this event	3

Measured or Estimated Volume of Vented or Flared Natural Gas	

Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: High Line Pressure   Gas Compressor Station   Natural Gas Flared   Released: 197 Mcf   Recovered: 0 Mcf   Lost: 197 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	Yes
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	Third Party gas gatherer had a fire at a compressor station. The line pressure was high and the facility went to flare.	
Steps taken to limit the duration and magnitude of venting and/or flaring	Cimarex shut in nearby facilities to lower the line pressure on the loop and stop the flare. The issue stopped as the nearby facility remain shut in until the compressor was repaired.	
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	The compressor was repaired after the fire. Cimarex took proactive steps to shut in nearby facilities on the loop to contain the high line pressure attributed to this event.	

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CONDITIONS

Action 37413

## **CONDITIONS**

Operator:	OGRID:
CIMAREX ENERGY CO.	215099
600 N. Marienfeld Street	Action Number:
Midland, TX 79701	37413
	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.	7/22/2021