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575.397.3713 2609 W Marland Hobbs NM 88240

C6+ Gas Analysis Report

20057G		NCP1379704		CASCADE 29 FED 15-18, 71-75 CDP	
Sample Point Code		Sample Point Name		Sample Point Location	
Laboratory Services		2024101944		3550	
Source Laboratory		Lab File No		Container Identity	
USA		USA		USA	
District		Area Name		Field Name	
Nov 23, 2024 08:15		Nov 1, 2024		Nov 25, 2024 13:20	
Date Sampled		Date Effective		Date Received	
53.00		System Administrator		101 @ 72	
Ambient Temp (°F)		Flow Rate (Mcf)		Analyst	
				Press PSI @ Temp °F	
				Source Conditions	
Coterra				NG	
Operator				Lab Source Description	

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	2.5550	2.555	
CO2 (CO2)	1.8480	1.848	
Methane (C1)	71.1670	71.166	
Ethane (C2)	12.2860	12.286	3.2850
Propane (C3)	6.9610	6.961	1.9170
I-Butane (IC4)	0.9320	0.932	0.3050
N-Butane (NC4)	2.3400	2.34	0.7380
I-Pentane (IC5)	0.5100	0.51	0.1860
N-Pentane (NC5)	0.5810	0.581	0.2110
Hexanes Plus (C6+)	0.8200	0.82	0.3560
TOTAL	100.0000	99.9990	6.9980

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

Analyzer Information			
Device Type:	Gas Chromatograph	Device Make:	Shimadzu
Device Model:	GC-2014	Last Cal Date:	Sep 9, 2024

Gross Heating Values (Real, BTU/ft³)

14.696 PSI @ 60.00 Å°F		14.73 PSI @ 60.00 Å°F	
Dry	Saturated	Dry	Saturated
1,308.4	1,287.0	1,311.4	1,290.0

Calculated Total Sample Properties

GPA2145-16 *Calculated at Contract Conditions

Relative Density Real	Relative Density Ideal
0.8030	0.7999
Molecular Weight	
23.1628	

C6+ Group Properties

Assumed Composition

C6 - 60.000%	C7 - 30.000%	C8 - 10.000%
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Field H2S

3.0 PPM

PROTREND STATUS:

Passed By Validator on Dec 3, 2024

DATA SOURCE:

Imported

PASSED BY VALIDATOR REASON:

Close enough to be considered reasonable.

VALIDATOR:

Ashley Russell

VALIDATOR COMMENTS:

OK



Coterra Energy Inc.
Corporate Headquarters
Three Memorial City Plaza
840 Gessner Road
Suite 1400
Houston, TX 77024

T 281-589-4600
F 281-589-4955
coterra.com

Navigators:

Company

Search

Connections

Diagram

Route

Map

40303

Merrick ID

40303 CASCADE 29 FED 15H-18H,71H-75H VRT FLARE

8225 HALLERTAU 5 FEDERAL COM 3H 13240303

40303

CASCADE 29 FED 15H-18H,71H-75H VRT FLARE

mtd

ytd

1m

3m

6m

1y

3y

5y

n

Record Date	Gas Flowed	Hours Flowed	Meter Flare Reason	Static Pressure Psia	Differential Pressure	Meter Comments
2/3/2025	3.00	0		0	0	
2/2/2025	1.00	0		0	0	
2/1/2025	4.00	0		0	0	
1/31/2025	0.00	0		0	0	
1/30/2025	1.00	0		0	0	
1/29/2025	0.00	0		0	0	
1/28/2025	0.00	0		0	0	
1/27/2025	12.00	0		0	0	
1/26/2025	3.00	0		0	0	
1/25/2025	0.00	0		0	0	
1/24/2025	0.00	0		0	0	
1/23/2025	11.00	0		0	0	
1/22/2025	54.00	0	COMPRESSOR STATION	0	0	ENLINK STATION DOWN HF
1/21/2025	0.00	0		0	0	

Intermediate flaring:

Event Date	Volume Flowed (mcf)	Duration (hrs)
01/21/2025	54	0

Details:

[36785] DCP OPERATING COMPANY—Compressor Station Issue - Compression, Midstream & Marketing to Evaluate

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

DEFINITIONS

Action 428267

DEFINITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 428267
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application: • this application's operator, hereinafter "this operator"; • venting and/or flaring, hereinafter "vent or flare"; • any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms"; • the statements in (and/or attached to) this, hereinafter "the statements in this"; • and the past tense will be used in lieu of mixed past/present tense questions and statements.

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QUESTIONS

Action 428267

QUESTIONS

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	Action Number: 428267
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QUESTIONS

Prerequisites <i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident Well	Unavailable.
Incident Facility	[fAPP2332445361] Cascade 29 CTB

Determination of Reporting Requirements <i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
Was this vent or flare caused by an emergency or malfunction	No
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a vent or flare event	Yes, minor venting and/or flaring of natural gas.
<i>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.</i>	
Was there at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this vent or flare 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 vent or flare within an incorporated municipal boundary or within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved	
Primary Equipment Involved	Separator
Additional details for Equipment Involved. Please specify	Not answered.

Representative Compositional Analysis of Vented or Flared Natural Gas <i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	71
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	2
Oxygen (O2) percentage, if greater than one percent	0
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
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.

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QUESTIONS, Page 2

Action 428267

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/21/2025
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	12:00 AM
Cumulative hours during this event	0

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure Separator Natural Gas Vented Released: 54 Mcf Recovered: 0 Mcf Lost: 54 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
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 this vent or flare a result of downstream activity	No
Was notification of downstream activity received by this operator	Not answered.
Downstream OGRID that should have notified this operator	Not answered.
Date notified of downstream activity requiring this vent or flare	Not answered.
Time notified of downstream activity requiring this vent or flare	Not answered.

Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control.	True
Please explain reason for why this event was beyond this operator's control	Compressor Station Issues, station down
Steps taken to limit the duration and magnitude of vent or flare	MINIMIZED EVENT DURATION
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Midstream & Marketing to Evaluate

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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a complete C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
☒	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
☒	I hereby certify the statements in this report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.
☒	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
☒	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

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CONDITIONS

Action 428267

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CONDITIONS

Created By	Condition	Condition Date
jressling	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.	2/4/2025