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575.397.3713 2609 W MARLAND HOBBS, NEW MEXICO 88240

EXTENDED GAS REPORT SUMMARY OF CHROMATOGRAPHIC ANALYSIS

Sample Name: Vaca Draw 20-17 Fed 1H Buy Back
Sample Date: 07/20/2022
Sampled By: DLA
Time Sampled: 15:00
Sample Temp: 118.0 F
Sample Press: 1030.0

H₂S (PPM) = 0.0

For: 9586G
Identification: 2022056143
Company: Coterra
Analysis Date: 07/25/2022
Analysis By: BH
Data File: LS_7199.D

Component	Mole%	GPM REAL	GPM IDEAL	*HEXANES PLUS SUMMARY	
H ₂ S	0.000			AVG MOLE WT	93.539
Nitrogen	1.651			API GRAVITY @ 60F	65.6
Methane	70.772			SPECIFIC GRAVITY	
CO ₂	2.416			AIR = 1 (IDEAL):	3.202
Ethane	12.225	3.269	3.261	H ₂ O = 1 (IDEAL):	0.718
Propane	7.039	1.939	1.934	COMPONENT RATIOS	
Isobutane	0.943	0.309	0.308	HEXANES (C6) MOLE%	38.581
N-Butane	2.413	0.761	0.759	HEPTANES (C7) MOLE%	35.187
Isopentane	0.583	0.213	0.213	OCTANES (C8) MOLE%	19.347
N-Pentane	0.674	0.244	0.244	NONANES+ (C9) MOLE%	6.885
Hexanes	0.496	0.202	0.538		
Heptanes	0.450	0.178	0.178	HEXANES (C6) WT%	35.203
Octanes	0.248	0.112	0.112	HEPTANES (C7) WT%	34.532
Nonanes+	0.090	0.048	0.047	OCTANES (C8) WT%	21.398
Total	100.000	7.275	7.257	NONANES+ (C9) WT%	8.867

CALCULATED PARAMETERS

TOTAL ANALYSIS SUMMARY

MOLE WT: 23.718
VAPOR PRESS PSIA: 3651.9
SPECIFIC GRAVITY
AIR = 1 (REAL): 0.8219
AIR = 1 (IDEAL): 0.8186
H₂O = 1 (IDEAL): 0.379

REPORTED BASIS: 14.73
Unnormalized Total: 100.649

HEATING VALUE

BTU/CUFT (DRY) 1342.3
BTU/CUFT (WET) 1319.5

BTEX SUMMARY

WT% BENZENE 3.094
WT% TOLUENE 3.551
WT% E BENZENE 0.353
WT% XYLENES 2.033

LAB MANAGER

Agilent 7890
Cal Date 7-12-22

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Navigators:		Daily Monthly	
Company	Search	Connections	Diagram Route Map
31527			
Merrick ID	Name		
9008	ANIMAL KINGDOM 44 A 3H 315279		
31527	VACA DRAW 20-17 FED 1H-13H FLARE F-900		

Record Date	Static Pressure	Differential Pressure	Gas Temp	Gas Flowed	Hours Flowed	Meter Flare Reason
10/12/2023	154	3	80	20.00	00:12	
10/11/2023	15	4	64	38.00	00:19	
10/10/2023	15	5	75	72.00	00:31	CURTAILMENT - GAS PURCHASER/HLP
10/9/2023	90	0	73	0.00	0	
10/8/2023	90	0	68	0.00	0	

Intermediate flaring:

Event Date	Volume Flowed (mcf)	Duration (hrs)
10/09/2023	72	0.52

Details:

[320009] ENLINK SUNOCO– Gas Purchaser/HLP, Midstream & Marketing to Evaluate

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Energy, Minerals and Natural Resources
Oil Conservation Division
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DEFINITIONS

Action 276887

DEFINITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 276887
	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: <ul style="list-style-type: none">• 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 276887

QUESTIONS

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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	[fAPP2202685728] VACA DRAW 20-17 FEDERAL 1H-4H, 7H-8H, 13H

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	2
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 276887

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	10/09/2023
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	1

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 Separator Natural Gas Flared Released: 72 Mcf Recovered: 0 Mcf Lost: 72 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 this vent or flare a result of downstream activity	Yes
Was notification of downstream activity received by this operator	No
Downstream OGRID that should have notified this operator	[320009] ENLINK MIDSTREAM OPERATING, LP
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	Gas purchaser did not provide notification.
Steps taken to limit the duration and magnitude of vent or flare	FLARE DURATION MINIMIZED
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	MIDSTREAM AND MARKETING TO EVALUATE

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ACKNOWLEDGMENTS

Action 276887

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	Action Number: 276887
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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

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CONDITIONS

Created By	Condition	Condition Date
mortiz1	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.	10/18/2023