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### EXTENDED GAS REPORT SUMMARY OF CHROMATOGRAPHIC ANALYSIS

<b>Sample Name:</b>	Bonnie 35 Fed Com 4H Alloc Gas	<b>For:</b>	6078G
<b>Sample Date:</b>	11/20/2023	<b>Cyl. Ident.:</b>	2023080518
<b>Sampled By:</b>	NK	<b>Company:</b>	Coterra Energy
<b>Time Sampled:</b>	09:44	<b>Analysis Date:</b>	12/06/2023
<b>Sample Temp:</b>	63.4 F	<b>Analysis By:</b>	BH
<b>Sample Press:</b>	94.0	<b>Data File:</b>	LS2_0131.D

H2S (PPM) = 0.0

Component	Mole%	GPM REAL	GPM IDEAL
H2S	0.000		
Nitrogen	1.432		
Methane	77.994		
CO2	0.974		
Ethane	10.709	2.863	2.857
Propane	4.805	1.323	1.320
Isobutane	0.579	0.189	0.189
N-Butane	1.464	0.461	0.460
Isopentane	0.356	0.130	0.130
N-Pentane	0.413	0.150	0.149
Hexanes+	1.274	0.526	0.523
Total	100.000	5.642	5.628

### CALCULATED PARAMETERS

#### TOTAL ANALYSIS SUMMARY

MOLE WT: 21.619  
VAPOR PRESS PSIA: 3995.8  
SPECIFIC GRAVITY  
AIR = 1 (REAL): 0.7485  
AIR = 1 (IDEAL): 0.7461  
H2O = 1 (IDEAL): 0.357

REPORTED BASIS: 14.73  
Unnormalized Total: 98.498

#### HEATING VALUE

BTU/CUFT (DRY) 1267.7  
BTU/CUFT (WET) 1246.1

#### BTEX SUMMARY

WT% BENZENE 6.108  
WT% TOLUENE 5.761  
WT% E BENZENE 0.445  
WT% XYLENES 2.669

LAB MANAGER

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**Sample Name:** Bonnie 35 Fed Com 4H Alloc Gas  
**Company:** Coterra Energy

**Data File:** LS2\_0131.D**\*ANALYSIS OF HEXANES PLUS**

Component	MOLE%	WT%
2,2 DIMETHYL BUTANE	0.005	0.020
CYCLOPENTANE	0.041	0.148
2-METHYLPENTANE	0.125	0.498
3-METHYLPENTANE	0.067	0.268
HEXANE (C6)	0.182	0.713
DIMETHYLPENTANES	0.011	0.054
METHYLCYCLOPENTANE	0.079	0.307
2,2,3 TRIMETHYLBUTANE	0.001	0.002
BENZENE	0.082	0.295
CYCLOHEXANE	0.128	0.499
2-METHYLHEXANE	0.026	0.121
3-METHYLHEXANE	0.038	0.177
DIMETHYLCYCLOPENTANES	0.000	0.000
HEPTANE (C7)	0.072	0.335
METHYLCYCLOHEXANE	0.118	0.540
2,5 DIMETHYLHEXANE	0.002	0.011
TOLUENE	0.072	0.308
2-METHYLHEPTANE	0.022	0.116
OTHER OCTANES	0.053	0.272
OCTANE (C8)	0.026	0.140
ETHYLCYCLOHEXANE	0.010	0.054
ETHYL BENZENE	0.005	0.024
M,P-XYLENE	0.024	0.116
O-XYLENE	0.006	0.029
OTHER NONANES	0.026	0.148
NONANE (C-9)	0.014	0.082
IC3 BENZENE	0.003	0.015
CYCLOOCTANE	0.000	0.000
NC3 BENZENE	0.000	0.003
TM BENZENE(S)	0.003	0.019
IC4 BENZENE	0.000	0.001
NC4 BENZENE	0.000	0.003
DECANES + (C10+)	0.017	0.130

**\*HEXANES PLUS SUMMARY**

AVG MOLE WT	93.832
VAPOR PRESS PSIA	9.860
API GRAVITY @ 60F	62.6
SPECIFIC GRAVITY	
AIR = 1 (IDEAL):	2.975
H2O = 1 (IDEAL):	0.729

**COMPONENT RATIOS**

HEXANES (C6) MOLE%	32.704
HEPTANES (C7) MOLE%	35.560
OCTANES (C8) MOLE%	23.008
NONANES (C9) MOLE%	6.577
DECANES+ (C10+) MOLE%	2.151
HEXANES (C6) WT%	29.757
HEPTANES (C7) WT%	33.872
OCTANES (C8) WT%	25.077
NONANES (C9) WT%	8.180
DECANES+ (C10+) WT%	3.114

Remarks:

\* Hexane+ portion calculated by Allocation Process



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<b>SELECT FACILITY →</b>		Display Name: BONNIE 35 FED 1H & 4H		Updated per Facility Selection	
Facility: BONNIE 35 FED 1H & 4H				H2S per Permit (ppm):	10
Date/Time Discovered:	1/11/25 11:55 AM	Time Discovered:	11:55:00 AM	State:	NM
Date/Time Started:	1/11/25 11:15 AM	Time Event Started:	11:15:00 AM	Latitude:	32.07937
Date/Time Ended:	1/11/25 1:26 PM	Time Event Ended:	1:26:00 PM	Longitude:	-104.26374
Event Duration (hrs):	2.183			Permit Type:	NM-NOI
Event Duration (days):	1.000			Accumulated Malfunctions VOC (TPY):	0.06
Ambient Temperature (F):					
Cause (if known):	Alarm came in from control room at 11:57pm for high tank pressure. Pumper responded and found oil level controller hung open and repaired at 12:13 pm				
No. of Events:					
Notes:	Dump valve malfunction.				
Corrective Action:	Pumper repaired it.				

Intermediate flaring:

Event Date	Volume Flowed (mcf)	Duration (hrs)
1/11/2025	275	2.17

Details:

Dump valve malfunction, 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 424470

DEFINITIONS

Operator:  CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID:  215099
	Action Number:  424470
	Action Type:  [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

<p>For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:</p> <ul style="list-style-type: none"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul>
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QUESTIONS

Action 424470

**QUESTIONS**

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 424470
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b> <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	[fAPP2201730574] BONNIE 35 FED 1H & 4H

<b>Determination of Reporting Requirements</b> <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 <b>at least 50 MCF</b> of natural gas vented and/or flared during this event	Yes
Did this vent or flare 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 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

<b>Equipment Involved</b>	
Primary Equipment Involved	Dump Valve
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b> <i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	78
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	1
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 424470

**QUESTIONS (continued)**

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 424470
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/11/2025
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	2

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: High Line Pressure   Dump Valve   Natural Gas Vented   Released: 275 Mcf   Recovered: 0 Mcf   Lost: 275 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	Dump valve malfunction
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 AND MARKETING TO EVALUATE



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ACKNOWLEDGMENTS

Action 424470

**ACKNOWLEDGMENTS**

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 424470
	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 <b>complete</b> 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

Action 424470

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 424470
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
adolby01	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.	1/24/2025