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 575.397.3713 2609 W MARLAND HOBBS, NEW MEXICO 88240

**EXTENDED GAS REPORT  
 SUMMARY OF CHROMATOGRAPHIC ANALYSIS**

<b>Sample Name:</b> Cottonberry 20-2 Sales	<b>For:</b> 6088G
<b>Sample Date:</b> 04/02/2024	<b>Cyl. Ident.:</b> 2024089762
<b>Sampled By:</b> Justin	<b>Company:</b> Coterra
<b>Time Sampled:</b> 12:45	<b>Analysis Date:</b> 05/03/2024
<b>Sample Temp:</b> 73.0 F	<b>Analysis By:</b> BH
<b>Sample Press:</b> 108.0	<b>Data File:</b> LS1_0560.D

H2S (PPM) = 0.0

Component	Mole%	GPM REAL	GPM IDEAL
H2S	0.000		
Nitrogen	1.989		
Methane	78.880		
CO2	0.804		
Ethane	10.537	2.817	2.811
Propane	4.652	1.281	1.278
Isobutane	0.534	0.175	0.174
N-Butane	1.351	0.426	0.425
Isopentane	0.327	0.120	0.119
N-Pentane	0.360	0.130	0.130
Hexanes+	0.566	0.230	0.228
<b>Total</b>	<b>100.000</b>	<b>5.179</b>	<b>5.165</b>

**CALCULATED PARAMETERS**

**TOTAL ANALYSIS SUMMARY**

**HEATING VALUE**

**BTEX SUMMARY**

MOLE WT: 20.892  
 VAPOR PRESS PSIA: 4038.3  
 SPECIFIC GRAVITY  
 AIR = 1 (REAL): 0.7234  
 AIR = 1 (IDEAL): 0.7212  
 H2O = 1 (IDEAL): 0.350  
 REPORTED BASIS: 14.73  
 Unnormalized Total: 99.059

BTU/CUFT (DRY) 1224.0  
 BTU/CUFT (WET) 1203.2

WT% BENZENE 6.144  
 WT% TOLUENE 3.406  
 WT% E BENZENE 0.413  
 WT% XYLENES 1.240

LAB MANAGER

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Sample Name: Cottonberry 20-2 Sales  
 Company: Coterra

Data File: LS1\_0560.D

**\*ANALYSIS OF HEXANES PLUS**

Component	MOLE%	WT%
2,2 DIMETHYL BUTANE	0.003	0.012
CYCLOPENTANE	0.028	0.104
2-METHYLPENTANE	0.076	0.312
3-METHYLPENTANE	0.040	0.166
HEXANE (C6)	0.090	0.370
DIMETHYLPENTANES	0.002	0.008
METHYLCYCLOPENTANE	0.047	0.189
2,2,3 TRIMETHYLBUTANE	0.000	0.000
BENZENE	0.037	0.137
CYCLOHEXANE	0.064	0.260
2-METHYLHEXANE	0.011	0.052
3-METHYLHEXANE	0.016	0.079
DIMETHYCYCLOPENTANES	0.000	0.000
HEPTANE (C7)	0.024	0.116
METHYLCYCLOHEXANE	0.044	0.207
2,5 DIMETHYLHEXANE	0.001	0.003
TOLUENE	0.019	0.084
2-METHYLHEPTANE	0.006	0.034
OTHER OCTANES	0.014	0.073
OCTANE (C8)	0.006	0.033
ETHYLCYCLOHEXANE	0.002	0.013
ETHYL BENZENE	0.002	0.008
M,P-XYLENE	0.005	0.024
O-XYLENE	0.001	0.006
OTHER NONANES	0.005	0.027
NONANE (C-9)	0.003	0.016
IC3 BENZENE	0.000	0.000
CYCLOOCTANE	0.001	0.003
NC3 BENZENE	0.000	0.001
TM BENZENE(S)	0.000	0.000
IC4 BENZENE	0.000	0.003
NC4 BENZENE	0.000	0.001
DECANES + (C10+)	0.007	0.066

**\*HEXANES PLUS SUMMARY**

AVG MOLE WT	91.055
VAPOR PRESS PSIA	9.860
API GRAVITY @ 60F	65.0
SPECIFIC GRAVITY	
AIR = 1 (IDEAL):	2.975
H2O = 1 (IDEAL):	0.720

**COMPONENT RATIOS**

HEXANES (C6) MOLE%	41.774
HEPTANES (C7) MOLE%	37.511
OCTANES (C8) MOLE%	15.797
NONANES (C9) MOLE%	2.957
DECANES+ (C10+) MOLE%	1.961
HEXANES (C6) WT%	39.101
HEPTANES (C7) WT%	36.449
OCTANES (C8) WT%	17.659
NONANES (C9) WT%	3.759
DECANES+ (C10+) WT%	3.032

Remarks: spot

\* Hexane+ portion calculated by Allocation Process



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42221						
42221 COTTONBERRY 20 2H-4H FED LP FLARE Gas Digital Meter						
Record Date	Gas Flowed	Hours Flowed	Meter Flare Reason	Static Pressure Psia	Differential Pressure	Meter Comment
4/30/2026	229.00	11:14	DUMP VALVE MALF...	61	0	Bad wate...
4/29/2026	215.00	10:45	DUMP VALVE MALF...	61	0	Bad wate...
4/28/2026	230.00	10:49	DUMP VALVE MALF...	62	0	Bad wate...
4/27/2026	206.00	10:34	DUMP VALVE MALF...	60	0	Bad wate...

Intermediate flaring:

Event Date	Volume Flowed (mcf)	Duration (hrs)
04/29/2026	229	11.23

Details:

[226737] HUNTER GAS GATHERING INC, Dump valve malfunction, GET VRU BACK UP AND PURGE O2

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 583696

**DEFINITIONS**

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 583696
	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 583696

**QUESTIONS**

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 583696
	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	[fAPP2201347719] COTTONBERRY 20 FEDERAL COM 2H, 3H & 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	Yes
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	Not answered.
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	79
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	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 583696

**QUESTIONS (continued)**

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	Action Number: 583696
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	04/29/2026
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	11

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   Dump Valve   Natural Gas Flared   Released: 229 Mcf   Recovered: 0 Mcf   Lost: 229 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	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	BAD WATER DUMP AND VRU WAS SHUT DOWN DUE TO HIGH O2
Steps taken to limit the duration and magnitude of vent or flare	MINIMIZE EVENT DURATION
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	GET VRU BACK UP AND PURGE O2



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ACKNOWLEDGMENTS

Action 583696

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	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

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	Action Number: 583696
	Action Type: [C-129] Venting and/or Flaring (C-129)

**CONDITIONS**

Created By	Condition	Condition Date
aolivi	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.	5/11/2026