



www.permianls.com
575.397.3713 2609 W MARLAND HOBBS, NEW MEXICO 88240

EXTENDED GAS REPORT SUMMARY OF CHROMATOGRAPHIC ANALYSIS

Sample Name: Cottonberry 20-2 Sales
Sample Date: 04/02/2024
Sampled By: Justin
Time Sampled: 12:45
Sample Temp: 73.0 F
Sample Press: 108.0

H2S (PPM) = 0.0

For: 6088G
Cyl. Ident.: 2024089762
Company: Coterra
Analysis Date: 05/03/2024
Analysis By: BH
Data File: LS1_0560.D

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
Total	100.000	5.179	5.165

CALCULATED PARAMETERS

TOTAL ANALYSIS 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

HEATING VALUE

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

BTEX SUMMARY

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

LAB MANAGER

www.permianls.com



575.397.3713 2609 W MARLAND HOBBS, NEW MEXICO 88240

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
DIMETHYLCYCLOPENTANES	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



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

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 Comments
9/1/2026	99.00	05:33		60	0	
8/31/2026	109.00	06:12		59	0	
8/30/2026	90.00	05:09		59	0	
8/29/2026	80.00	04:34		59	0	
8/28/2026	109.00	06:17		59	0	
8/27/2026	114.00	06:37		59	0	
8/26/2026	72.00	04:08	FACILITY ISSUES	59	0	VRU Down...
8/25/2026	0.00	00:03		84	0	

VRU Down on VFD FAULT

Intermediate flaring:

Event Date	Volume Flowed (mcf)	Duration (hrs)
08/31/2026	99	5.55

Details:

[226737] HUNTER GAS GATHERING INC, Facility Issues, GET VRU BACK UP

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/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 625288

DEFINITIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 625288
	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.

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

QUESTIONS

Action 625288

QUESTIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 625288
	Action Type: [C-129] Venting and/or Flaring (C-129)

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	[fAPP2201347719] COTTONBERRY 20 FEDERAL COM 2H, 3H & 4H

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	Not answered.
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	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.

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

QUESTIONS, Page 2

Action 625288

QUESTIONS (continued)

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 625288
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	08/31/2026
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	6

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: 99 Mcf Recovered: 0 Mcf Lost: 99 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	VRU DOWN ON VFD FAULT
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

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

ACKNOWLEDGMENTS

Action 625288

ACKNOWLEDGMENTS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 625288
	Action Type: [C-129] Venting and/or Flaring (C-129)

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.

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

CONDITIONS

Action 625288

CONDITIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 625288
	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.	9/16/2026