



Natural Gas Extended Analysis Report

1308 S Midkiff Rd Ste # 129, Midland, TX 79701

Sample Information

	Sample Information
Sample Date:	7/3/2026
Sample Time:	10:00am
Sampled By :	M. K
Client Name:	Devon
Lease Name:	FME Tatanka 102 H
Meter #:	T233939693
Flow Rate:	2319
Sample Description:	Gas
Sample Method:	Fill & Purge
Cylinder #	0395
Sample Pressure (psia):	163
Sample Temp (°F):	83
Atmos. Pressure (psia):	13.2
Atmos. Temp (°F):	60
Field H ₂ S (ppm):	3000
NGA Phys. Property Data Source	GPA Standard 2145-16 (FPS)

Component Results

Component Name	Norm Mole%	Norm Weight%	Norm Volume%
Nitrogen	2.0001	2.4171	1.1587
Methane	71.8889	49.7523	64.1793
Carbon Dioxide	7.3980	14.0457	6.6487
Ethane	9.6030	12.4569	13.5244
Hydrogen Sulfide	0.3414	0.5019	0.2430
Propane	4.7873	9.1069	6.9456
Iso-Butane	0.7221	1.8106	1.2443
N-Butane	1.5394	3.8599	2.5557
2,2-Dimethylpropane	0.0000	0.0000	0.0000
Iso-Pentane	0.5089	1.5840	0.9801
N-Pentane	0.4361	1.3574	0.8325
2,2-Dimethylbutane	0.0049	0.0182	0.0108
cyclopentane+2,3-dimethylbutane	0.0468	0.1578	0.0862
2-Methylpentane	0.1142	0.4246	0.2497
3-Methylpentane	0.0804	0.2989	0.1728
n-Hexane	0.1276	0.4744	0.2763
2,2-Dimethylpentane	0.0008	0.0035	0.0020
methylcyclopentane+2,4-dimethylpentane	0.0471	0.1873	0.1013
2,2,3-Trimethylbutane	0.0001	0.0004	0.0002

Component Name	Norm Mole%	Norm Weight%	Norm Volume%	
Benzene	0.0137	0.0462	0.0202	
3,3-Dimethylpentane	0.0011	0.0048	0.0027	
Cyclohexane	0.0434	0.1576	0.0778	
2-Methylhexane	0.0213	0.0921	0.0521	
2,3-Dimethylpentane	0.0104	0.0450	0.0249	
3-Methylhexane	0.0253	0.1094	0.0612	
cis-1,3-dimethylcyclopentane	0.0016	0.0068	0.0035	
3-Ethylpentane	0.0068	0.0294	0.0162	
trans-1,2-dimethylcyclopentane+2,2,4-trimethylpentane	0.0077	0.0353	0.0188	
n-Heptane	0.0344	0.1487	0.0836	
Methylcyclohexane	0.0426	0.1804	0.0902	
2,5-Dimethylhexane	0.0037	0.0182	0.0101	
Toluene	0.0391	0.1554	0.0689	
2-Methylheptane	0.0166	0.0818	0.0451	
4-Methylheptane	0.0000	0.0000	0.0000	
3-Methylheptane	0.0039	0.0192	0.0105	
trans-1,2-dimethylcyclohexane	0.0002	0.0010	0.0005	
cis-1,3-dimethylcyclohexane+cis-1,2-dimethylcyclohexane	0.0040	0.0194	0.0095	
n-Octane	0.0172	0.0848	0.0464	
Ethylcyclohexane	0.0084	0.0407	0.0199	
2,5-Dimethylheptane	0.0000	0.0000	0.0000	
Ethylbenzene	0.0096	0.0440	0.0195	
ethylcyclopentane+2,4-dimethylhexane	0.0000	0.0000	0.0000	
p-xylene+m-xylene	0.0061	0.0279	0.0124	
o-Xylene	0.0022	0.0101	0.0044	
n-Nonane	0.0113	0.0625	0.0335	
Isopropylbenzene	0.0015	0.0078	0.0035	
Cyclooctane	0.0018	0.0087	0.0040	
Propylcyclohexane	0.0045	0.0245	0.0119	
propylbenzene	0.0019	0.0099	0.0044	
1,2,4-trimethylbenzene+tert-butylbenzene	0.0044	0.0241	0.0106	
1,3,5-Trimethylbenzene	0.0021	0.0109	0.0048	
tert-Butylcyclohexane	0.0001	0.0006	0.0003	
n-Decane	0.0027	0.0166	0.0087	
Isobutylbenzene	0.0012	0.0069	0.0031	
sec-Butylbenzene	0.0000	0.0000	0.0000	
1,2,3-Trimethylbenzene	0.0011	0.0057	0.0025	
butylcyclohexane	0.0002	0.0012	0.0006	
butylbenzene	0.0008	0.0046	0.0021	
Total:	100.0000	100.0000	100.0000	

Results Summary

Result	Dry
Pressure Base (psia)	14.730
Temperature Base (Deg. F)	60.00
Gross Heating Value (BTU / Ideal cu.ft.)	1171.7
Gross Heating Value (BTU / lbm)	19138
Gross Heating Value (BTU / gal.)	61717
Relative Density (G), Ideal	0.8003
Compressibility (Z) Factor	0.9962
Total GPM	19.057

Result	Dry	
Total Molecular Weight	23.180	
Total Vapor Pressure (psia)	3683.17	
Total Relative Liquid Density	0.3869	
Total Liquid Density (lbm / gal.)	3.225	
Total Liquid Density (lbm / bbl)	135.448	
API Gravity	234.2	
C6+ Fraction: Vapor Pressure (psia)	3.997	
C6+ Fraction: Relative Liquid Density	0.7122	
C6+ Fraction: API Gravity	67.17	
C6+ Fraction: Relative Gas Density	3.2094	
C6+ Fraction: Gas Density (lbm / cu.ft.)	0.24552	
C6+ Fraction: Avg. Molecular Weight	92.954	
C6+ Fraction: Gross Heating Value (BTU / cu.ft.)	5017.5	
C6+ Fraction: Total Mole%	0.7748	

44080

 44080 Tatanka North CTB Flare Meter Sweet

Gas Digital Meter

Record Date	Gas Flowed	Hours Flowed	Meter Flare Reason	Static Pressure Psia	Differential Pressure	Meter Comment
9/17/2026	196.00	00:00		156	0	
9/16/2026	0.00	00:00		16	0	
9/15/2026	0.00	00:00		159	0	
9/14/2026	0.00	00:00		154	0	
9/13/2026	0.00	00:00		155	0	
9/12/2026	0.00	00:00		158	0	
9/11/2026	85.00	00:00		145	0	

Intermediate Flaring:

Event Date	Volume (mcf)	Duration (hrs)
2026-09-16	196	0.00

Details:

[267255] ENERGY TRANSFER PARTNERS, LP, Curtailment Gas Purchaser HLP, MIDSTREAM & MARKETING EVALUATE

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 627989

DEFINITIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 627989
	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 627989

QUESTIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 627989
	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	[fAPP2215834549] Tatanka North 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 withing 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	72
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	7
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 627989

QUESTIONS (continued)

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 627989
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	09/16/2026
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	0

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: 196 Mcf Recovered: 0 Mcf Lost: 196 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	HLP
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	MIDSTREAM & MARKETING 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

ACKNOWLEDGMENTS

Action 627989

ACKNOWLEDGMENTS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 627989
	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 627989

CONDITIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 627989
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
jmckinnon	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.	9/25/2026