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EXTENDED GAS REPORT SUMMARY OF CHROMATOGRAPHIC ANALYSIS

Sample Name:	Tar Heel 19-18 Fed Com CDP	For:	13987G
Sample Date:	09/29/2024	Cyl. Ident.:	2024100714
Sampled By:	Justin CG	Company:	Coterra
Time Sampled:	09:30	Analysis Date:	11/05/2024
Sample Temp:	96.0 F	Analysis By:	LC
Sample Press:	78.0	Data File:	LS1_0956.D

H2S (PPM) = 0.0

Component	Mole%	GPM REAL	GPM IDEAL
H2S	0.000		
Nitrogen	0.892		
Methane	75.790		
CO2	0.132		
Ethane	11.934	3.191	3.183
Propane	5.857	1.613	1.609
Isobutane	0.846	0.277	0.276
N-Butane	2.056	0.648	0.647
Isopentane	0.501	0.183	0.183
N-Pentane	0.606	0.220	0.219
Hexanes+	1.386	0.719	0.715
Total	100.000	6.851	6.832

CALCULATED PARAMETERS

TOTAL ANALYSIS SUMMARY

MOLE WT: 22.887
VAPOR PRESS PSIA: 3897.9
SPECIFIC GRAVITY
AIR = 1 (REAL): 0.7930
AIR = 1 (IDEAL): 0.7899
H2O = 1 (IDEAL): 0.366

REPORTED BASIS: 14.73
Unnormalized Total: 134.424

HEATING VALUE

BTU/CUFT (DRY) 1364.8
BTU/CUFT (WET) 1341.6

BTEX SUMMARY

WT% BENZENE 21.892
WT% TOLUENE 0.104
WT% E BENZENE 0.241
WT% XYLENES 0.842

LAB MANAGER

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Sample Name: Tar Heel 19-18 Fed Com CDP
Company: Coterra

Data File: LS1_0956.D***ANALYSIS OF HEXANES PLUS**

Component	MOLE%	WT%
2,2 DIMETHYL BUTANE	0.003	0.013
CYCLOPENTANE	0.003	0.012
2-METHYLPENTANE	0.003	0.010
3-METHYLPENTANE	0.002	0.008
HEXANE (C6)	0.003	0.011
DIMETHYLPENTANES	0.011	0.048
METHYLCYCLOPENTANE	0.002	0.009
2,2,3 TRIMETHYLBUTANE	0.000	0.000
BENZENE	0.002	0.005
CYCLOHEXANE	0.004	0.014
2-METHYLHEXANE	0.018	0.081
3-METHYLHEXANE	0.036	0.159
DIMETHYLCYCLOPENTANES	0.000	0.000
HEPTANE (C7)	0.001	0.007
METHYLCYCLOHEXANE	0.004	0.019
2,5 DIMETHYLHEXANE	0.004	0.020
TOLUENE	0.002	0.009
2-METHYLHEPTANE	0.030	0.150
OTHER OCTANES	0.203	1.025
OCTANE (C8)	0.003	0.014
ETHYLCYCLOHEXANE	0.007	0.036
ETHYL BENZENE	0.004	0.019
M,P-XYLENE	0.007	0.033
O-XYLENE	0.007	0.032
OTHER NONANES	0.169	0.939
NONANE (C-9)	0.009	0.052
IC3 BENZENE	0.018	0.092
CYCLOOCTANE	0.148	0.743
NC3 BENZENE	0.002	0.012
TM BENZENE(S)	0.014	0.080
IC4 BENZENE	0.009	0.050
NC4 BENZENE	0.010	0.058
DECANES + (C10+)	0.631	3.867

***HEXANES PLUS SUMMARY**

AVG MOLE WT	127.284
VAPOR PRESS PSIA	9.860
API GRAVITY @ 60F	51.6
SPECIFIC GRAVITY	
AIR = 1 (IDEAL):	2.975
H2O = 1 (IDEAL):	0.773

COMPONENT RATIOS

HEXANES (C6) MOLE%	1.052
HEPTANES (C7) MOLE%	6.666
OCTANES (C8) MOLE%	17.791
NONANES (C9) MOLE%	14.644
DECANES+ (C10+) MOLE%	59.847
HEXANES (C6) WT%	0.699
HEPTANES (C7) WT%	5.225
OCTANES (C8) WT%	16.057
NONANES (C9) WT%	14.414
DECANES+ (C10+) WT%	63.605

Remarks: NR=NOT REPORTED ON FIELD TAG

* Hexane+ portion calculated by Allocation Process



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Navigators:

Company

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Connections

Diagram

Route

Map

36495

Merrick ID

Name

36495

TAR HEEL 19-18-7 FED COM 1H-20H FLARE

Digit

36495

TAR HEEL 19-18-7 FED COM 1H-20H FLARE

mtd

ytd

1m

3m

6m

1y

3y

5y

Record Date	Gas Flowed	Hours Flowed	Meter Flare Reason	Static Pressure Psia	Differential Pressure	Meter Comments
2/25/2025	0.00	0		51	0	
2/24/2025	0.00	0		61	0	
2/23/2025	0.00	0		84	0	
2/22/2025	160.00	00:44	CURTAILMENT - GAS PL	73	3	ETC had valve closed
2/21/2025	152.00	00:52	CURTAILMENT - GAS PL	105	2	ETC had valve closed

Intermediate flaring:

Event Date	Volume Flowed (mcf)	Duration (hrs)
02/20/2025	152	0.87

Details:

ETC –Curtailment - Gas Purchaser/HLP, 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 439582

DEFINITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 439582
	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 439582

QUESTIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 439582
	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	[APP2202685331] TAR HEEL 19-18 FED COM 1H-3H, 18H-20H

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	76
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	0
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 439582

QUESTIONS (continued)

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	Action Number: 439582
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	02/20/2025
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	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: 152 Mcf Recovered: 0 Mcf Lost: 152 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	ETC had valve closed, high line pressure
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 and marketing evaluate

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ACKNOWLEDGMENTS

Action 439582

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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.

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CONDITIONS

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	Action Number: 439582
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CONDITIONS

Created By	Condition	Condition Date
jressling	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.	3/6/2025