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575.397.3713 2609 W MARLAND HOBBS, NEW MEXICO 88240

EXTENDED GAS REPORT SUMMARY OF CHROMATOGRAPHIC ANALYSIS

Sample Name: New Mexico 3 CDP
Sample Date: 03/04/2024
Sampled By: AW
Time Sampled: 15:00
Sample Temp: 80.0 F
Sample Press: 541.0

H₂S (PPM) = 0.5

For: 6872G
Cyl. Ident.: 2024086831
Company: Coterra Energy
Analysis Date: 03/18/2024
Analysis By: BH
Data File: LS1_0416.D

Component	Mole%	GPM REAL	GPM IDEAL
H ₂ S	0.000		
Nitrogen	0.734		
Methane	84.865		
CO ₂	0.136		
Ethane	9.052	2.420	2.415
Propane	3.098	0.853	0.851
Isobutane	0.514	0.168	0.168
N-Butane	0.883	0.278	0.278
Isopentane	0.222	0.081	0.081
N-Pentane	0.210	0.076	0.076
Hexanes+	0.286	0.122	0.120
Total	100.000	3.998	3.989

CALCULATED PARAMETERS

TOTAL ANALYSIS SUMMARY

MOLE WT: 19.359
VAPOR PRESS PSIA: 4322.4
SPECIFIC GRAVITY
AIR = 1 (REAL): 0.6700
AIR = 1 (IDEAL): 0.6683
H₂O = 1 (IDEAL): 0.332

REPORTED BASIS: 14.73
Unnormalized Total: 100.334

HEATING VALUE

BTU/CUFT (DRY) 1178.9
BTU/CUFT (WET) 1158.8

BTEX SUMMARY

WT% BENZENE 1.888
WT% TOLUENE 2.076
WT% E BENZENE 0.399
WT% XYLENES 1.994

LAB MANAGER

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Sample Name: New Mexico 3 CDP
Company: Coterra Energy

Data File: LS1_0416.D***ANALYSIS OF HEXANES PLUS**

Component	MOLE%	WT%
2,2 DIMETHYL BUTANE	0.006	0.028
CYCLOPENTANE	0.012	0.048
2-METHYLPENTANE	0.046	0.203
3-METHYLPENTANE	0.024	0.108
HEXANE (C6)	0.052	0.246
DIMETHYLPENTANES	0.002	0.010
METHYLCYCLOPENTANE	0.017	0.072
2,2,3 TRIMETHYLBUTANE	0.000	0.000
BENZENE	0.003	0.013
CYCLOHEXANE	0.017	0.072
2-METHYLHEXANE	0.009	0.045
3-METHYLHEXANE	0.011	0.055
DIMETHYLCYCLOPENTANES	0.000	0.000
HEPTANE (C7)	0.016	0.083
METHYLCYCLOHEXANE	0.020	0.101
2,5 DIMETHYLHEXANE	0.001	0.003
TOLUENE	0.006	0.027
2-METHYLHEPTANE	0.005	0.027
OTHER OCTANES	0.010	0.050
OCTANE (C8)	0.005	0.027
ETHYLCYCLOHEXANE	0.001	0.006
ETHYL BENZENE	0.001	0.004
M,P-XYLENE	0.004	0.023
O-XYLENE	0.001	0.003
OTHER NONANES	0.004	0.021
NONANE (C-9)	0.003	0.018
IC3 BENZENE	0.000	0.000
CYCLOOCTANE	0.001	0.005
NC3 BENZENE	0.000	0.002
TM BENZENE(S)	0.000	0.000
IC4 BENZENE	0.000	0.003
NC4 BENZENE	0.000	0.000
DECANES + (C10+)	0.004	0.049

***HEXANES PLUS SUMMARY**

AVG MOLE WT	93.354
VAPOR PRESS PSIA	9.860
API GRAVITY @ 60F	69.8
SPECIFIC GRAVITY	
AIR = 1 (IDEAL):	2.975
H2O = 1 (IDEAL):	0.703

COMPONENT RATIOS

HEXANES (C6) MOLE%	49.817
HEPTANES (C7) MOLE%	27.454
OCTANES (C8) MOLE%	15.363
NONANES (C9) MOLE%	4.394
DECANES+ (C10+) MOLE%	2.972
HEXANES (C6) WT%	45.630
HEPTANES (C7) WT%	27.370
OCTANES (C8) WT%	17.160
NONANES (C9) WT%	5.482
DECANES+ (C10+) WT%	4.358

Remarks: spot

* Hexane+ portion calculated by Allocation Process

O2 (Oxygen) 224TMC6 & 1Mt2ECYC5 2 2MC9 0



N2 (Nitrogen)	#	CYC7 & 1M1ECYC5	#	3EC8	#
C1 (Methane)	#	C8 (n-Octane) & 1t2DMCYC	# 0	oE-TOLUENE & 3MC9	#
CO2 (Carbon Dioxide)	#	C9UNK1	#	C10UNK12	#
C2 (Ethane)	#	1t3DMCYC6 & 1c4DMCYC6	#	C10UNK13	#
C3 (Propane)	#	IC3CYC5	#	C10UNK14	#
IC4 (Isobutane)	#	C9UNK2	#	C10UNK15	#
NC4 (n-Butane)	#	22DMC7	#	IC4CYC6	#
IC5 (Isopentane)	#	24DMC7 & 1Mc2ECYC5	#	C10 (n-Decane)	#
NC5 (TCD n-Pentane)	#	223TMC6	#	124TMBZ & tertNC4BZ &	#
NC5 (FID n-Pentane)	#	26DMC7 & 1c2DMCYC6	#	tertNC4CYC6	#
C6+ (TCD)	#	NC3CYC5 & 1c3c5TMCYC6	#	IC4BZ	#
22DMC4 (NEOHEXANE)	#	25DMC7 & 35DMC7	#	secNC4BZ	#
CYC5 & 23DMC4	#	ECYC6	#	C11UNK1	#
2MC5	#	33DMC7 & 233TMC6 & 113	#	1M3IC3BZ	#
3MC5	#	114TMCYC6	#	123TMBZ	#
C6 (n-Hexane)	#	C9UNK3	#	1M4IC3BZ	#
22DMC5	#	234TMC6	#	C11UNK2	#
MCYC5	#	EBZ	#	C11UNK3	#
24DMC5	#	1t2t4TMCYC6	#	C11UNK4	#
223TMC4	#	23DMC7 & 1c3t5TMCYC6	#	1M2NC3BZ	#
BENZENE	#	m-Xylene & p-Xylene & 34l	#	C11UNK5	#
33DMC5	#	2MC8 & 4MC8	#	NC4CYC6	#
CYC6	#	C9UNK4	#	C11UNK6	#
2MC6	#	3MC8	#	13DEBZ & 1M3NC3BZ	#
23DMC5	#	C9UNK5	#	NC4BZ & 12DEBZ & 1M4	#
11DMCYC5	#	C9UNK6	#	14DEBZ	#
3MC6	#	1t2c3TMCYC6 & 1t2c4TMC	#	14DM2EBZ	#
1t3DMCYC5	#	o-Xylene	#	C11UNK7	#
1c3DMCYC5	#	112TMCYC6	#	C11UNK8	#
1t2DMCYC5	#	C9UNK7	#	12DM4EBZ	#
3EC5	#	C9UNK8	#	13DM2EBZ	#
224TMC5	#	C9 (n-Nonane)	#	C11UNK9	#
C7 (n-Heptane)	#	C10UNK1	#	12DM3EBZ	#
MCYC6 & 113TMCYC5 & 8	#	C10UNK2	#	C11UNK10	#
1c2DMCYC5	#	C10UNK3	#	C11 (n-Undecane)	#
25DMC6	#	1c2t3TMCYC6 & 1c2c3TMC	#	C12UNK1	#
24DMC6 & 223TMC5 & E	#	C10UNK4	#	2MNC4BZ	#
33DMC6 & 1t2c4TMCYC	#	IC3BZ	#	C12UNK2	#
1t2c3TMCYC5	#	22DMC8	#	1245tetraMBZ	#
234TMC5	#	IC3C6 & CYC8	#	1235tetraMBZ	#
Toluene	#	C10UNK5	#	C12UNK3	#
23DMC6	#	C10UNK6	#	C12UNK4	#
112TMCYC5	#	C10UNK7	#	C12UNK5	#
2MC7	#	C10UNK8	#	1234tetraMBZ & CYC10	#
4MC7	#	NC4CYC5 & NC3CYC6	#	C12UNK6	#
34DMC6	#	33DMC8	#	C12UNK7	#
3MC7 & 3EC6	#	C10UNK9	#	NC5BZ	#
1c3DMCYC6 & 1c2t3TMC	#	C10UNK10	#	C12UNK8	#
1t4DMCYC6	#	NC3BZ	#	C12UNK9	#
225TMC6	#	C10UNK11	#	1tertNC435DMBZ	#
11DMCYC6	#	mE-TOLUENE	#	C12UNK10	#
1Mt3ECYC5	#	pE-TOLUENE & 23DMC8	#	Napthalene	#
1Mc3ECYC5	#	4MC9 & 5MC9 & 135TMBZ	#	C12 (n-Dodecane)	#



Sample Data Info from COREX

Sample Name: New Mexico 3 CDP
Sample Date: #
Sampled By: AW
Time Sampled: #
Sample Temp: #
Sample Press: #
For: 6872G
Identification: #
Company: Coterra Energy
Analysis Date: #
Analysis By: BH
Data File: LS1_0416.D
Pressure Base (k): #
H2S (PPM) 1
Pressure Base (d): #



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Intermediate flaring:

Setup		Readings		Selected Date		Carte Views	
Navigators:				35127 NEW MEXICO DD STATE COM 4 FLARE			
Route		Map					
Company		Search		Connections		Diagram	
35127							
Merrick ID		Name					
35127		NEW MEXICO DD STATE COM 4 FLARE					
Record Date	Gas Flowed	Hours Flowed	Meter Flare Reason	Static Pressure Psia	Differential Pressure	Meter Comments	
3/7/2025	162.00	0		169	86	well opened up and unloading	
3/6/2025	137.00	08:01		167	20	well opened up and unloading	
3/5/2025	97.00	08:49		166	6	well opened up and unloading	
3/4/2025	0.00	0		163	0		

Event Date	Volume Flowed (mcf)	Duration (hrs)
03/04/2025	97	8.82

Details:

ENTERPRISE FIELD SERVICES LLC, Facility Maintenance, MIDSTREAM AND MARKETING TO EVALUATE

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

General Information
Phone: (505) 629-6116

Online Phone Directory
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

DEFINITIONS

Action 443670

DEFINITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 443670
	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">• 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 443670

QUESTIONS

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	Action Number: 443670
	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	[fAPP2201824280] NEW MEXICO DD STATE COM 4

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	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 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	85
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	1
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 443670

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 443670
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	03/04/2025
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	9

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Liquids Unloading Separator Natural Gas Flared Released: 97 Mcf Recovered: 0 Mcf Lost: 97 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	well opened up and liquid unloaded
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 443670

ACKNOWLEDGMENTS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 443670
	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 complete 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 443670

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 443670
	Action Type: [C-129] Venting and/or Flaring (C-129)

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.	3/18/2025