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575.397.3713 2609 W MARLAND HOBBS, NEW MEXICO 88240

EXTENDED GAS REPORT SUMMARY OF CHROMATOGRAPHIC ANALYSIS

Sample Name:	Parkway 16-17 State Com 3H Alloc	For:	16911G
Sample Date:	09/20/2024	Cyl. Ident.:	2024098145
Sampled By:	Nick Kirk	Company:	Coterra
Time Sampled:	08:38	Analysis Date:	09/23/2024
Sample Temp:	97.6 F	Analysis By:	LC
Sample Press:	118.3	Data File:	LS1_0859.D

H2S (PPM) = 0.0

Component	Mole%	GPM REAL	GPM IDEAL
H2S	0.000		
Nitrogen	1.733		
Methane	70.800		
CO2	0.038		
Ethane	12.061	3.225	3.217
Propane	6.465	1.781	1.777
Isobutane	0.889	0.291	0.290
N-Butane	2.595	0.818	0.816
Isopentane	0.833	0.305	0.304
N-Pentane	1.098	0.398	0.397
Hexanes+	3.488	1.464	1.460
Total	100.000	8.282	8.261

CALCULATED PARAMETERS

TOTAL ANALYSIS SUMMARY

MOLE WT: 25.115
VAPOR PRESS PSIA: 3651.1
SPECIFIC GRAVITY
AIR = 1 (REAL): 0.8706
AIR = 1 (IDEAL): 0.8664
H2O = 1 (IDEAL): 0.389

REPORTED BASIS: 14.73
Unnormalized Total: 84.788

HEATING VALUE

BTU/CUFT (DRY) 1475.3
BTU/CUFT (WET) 1450.3

BTEX SUMMARY

WT% BENZENE 5.110
WT% TOLUENE 3.320
WT% E BENZENE 0.664
WT% XYLENES 3.573

LAB MANAGER

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Sample Name: Parkway 16-17 State Com 3H Alloc
Company: Coterra

Data File: LS1_0859.D***ANALYSIS OF HEXANES PLUS**

Component	MOLE%	WT%
2,2 DIMETHYL BUTANE	0.006	0.021
CYCLOPENTANE	0.076	0.236
2-METHYLPENTANE	0.207	0.711
3-METHYLPENTANE	0.131	0.449
HEXANE (C6)	0.384	1.318
DIMETHYLPENTANES	0.009	0.036
METHYLCYCLOPENTANE	0.291	0.974
2,2,3 TRIMETHYLBUTANE	0.000	0.001
BENZENE	0.141	0.440
CYCLOHEXANE	0.407	1.362
2-METHYLHEXANE	0.088	0.353
3-METHYLHEXANE	0.142	0.568
DIMETHYLCYCLOPENTANES	0.000	0.000
HEPTANE (C7)	0.227	0.906
METHYLCYCLOHEXANE	0.415	1.624
2,5 DIMETHYLHEXANE	0.005	0.021
TOLUENE	0.121	0.445
2-METHYLHEPTANE	0.068	0.310
OTHER OCTANES	0.153	0.691
OCTANE (C8)	0.091	0.416
ETHYLCYCLOHEXANE	0.045	0.199
ETHYL BENZENE	0.021	0.090
M,P-XYLENE	0.092	0.389
O-XYLENE	0.021	0.090
OTHER NONANES	0.073	0.368
NONANE (C-9)	0.059	0.301
IC3 BENZENE	0.000	0.000
CYCLOOCTANE	0.015	0.071
NC3 BENZENE	0.003	0.012
TM BENZENE(S)	0.001	0.005
IC4 BENZENE	0.011	0.061
NC4 BENZENE	0.001	0.007
DECANES + (C10+)	0.084	0.459

***HEXANES PLUS SUMMARY**

AVG MOLE WT	96.302
VAPOR PRESS PSIA	9.860
API GRAVITY @ 60F	62.3
SPECIFIC GRAVITY	
AIR = 1 (IDEAL):	2.975
H2O = 1 (IDEAL):	0.730

COMPONENT RATIOS

HEXANES (C6) MOLE%	23.051
HEPTANES (C7) MOLE%	40.293
OCTANES (C8) MOLE%	24.391
NONANES (C9) MOLE%	8.942
DECANES+ (C10+) MOLE%	3.323
HEXANES (C6) WT%	20.446
HEPTANES (C7) WT%	37.985
OCTANES (C8) WT%	26.210
NONANES (C9) WT%	10.755
DECANES+ (C10+) WT%	4.604

Remarks: NR=NOT REPORTED ON FIELD TAG

* Hexane+ portion calculated by Allocation Process



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SELECT FACILITY →		DisplayName MAGNUM 16 STATE 3H		Updated per Facility Selection	
Facility: MAGNUM 16 STATE 3H		H2S per Permit (ppm): 0		State: NM	
Date/Time Discovered: 1/17/25 4:00 PM	Time Discovered: 4:00:00 PM	Latitude: 32.65439		Longitude: -104.07372	
Date/Time Started: 1/14/25 10:00 AM	Time Event Started: 10:00:00 AM	Permit Type: NM-NOI		Accumulated Malfunctions VOC (TPY):	
Date/Time Ended: 1/17/25 4:00 PM	Time Event Ended: 4:00:00 PM				
Event Duration (hrs): 78.000					
Event Duration (days): 3.250					
Ambient Temperature (F):					
Cause (if known): upon arrival found flare unit					
No. of Events:					
Notes: Upon arrival found are unit, could not ignite again. Shut facility in until flare can be repaired. Evaluated emissions using site specific gas compositions and Spottfire report. Evaluated emissions, this is not a reportable event.					
Corrective Action: shut in well					

Release Source Type and Information						
Metered/Estimated Vol (mscf):		Control Type: None	Control Efficiency (%): 0%	adjust manually if needed, this c		
CLICK to go to this tab ---->	Hole	Pipe Blowdown - HP	Pipe Blowdown - LP	Equipment Blowdown	Compressor Blowdown	Compressor Startup
Vol. Vented to Atmosphere (mscf):	65.457	0.000	0.000	0.000	0.000	0.000
Vol. of Gas Combusted (mscf):	-	0.000	0.000	0.000	0.000	0.000
Max Hourly Release (mscf):	0.8	Overwrite if greater than calculated value				

Intermediate flaring:

Event Date	Volume Flowed (mcf)	Duration (hrs)
1/17/2025	66	6

Details:

Facility Issues, 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 427018

DEFINITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 427018
	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 427018

QUESTIONS

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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	[fAPP2202546815] MAGNUM 16 STATE 3H

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	Tank (Any)
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	71
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	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 427018

QUESTIONS (continued)

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	Action Number: 427018
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/17/2025
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	24

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure Tank (Any) Natural Gas Vented Released: 66 Mcf Recovered: 0 Mcf Lost: 66 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
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	Equipment failure
Steps taken to limit the duration and magnitude of vent or flare	MINIMIZED EVENT DURATION, Shut in
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	MIDSTREAM AND MARKETING TO EVALUATE

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ACKNOWLEDGMENTS

Action 427018

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	Action Number: 427018
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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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CONDITIONS

Created By	Condition	Condition Date
adolby01	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.	1/31/2025