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EXTENDED GAS REPORT SUMMARY OF CHROMATOGRAPHIC ANALYSIS

Sample Name:	Crescent Hale 10-4 CDP Chk Gas	For:	6441G
Sample Date:	08/22/2023	Cyl. Ident.:	2023075725
Sampled By:	JC	Company:	Coterra
Time Sampled:	10:00	Analysis Date:	09/22/2023
Sample Temp:	91.0 F	Analysis By:	BH
Sample Press:	62.0	Data File:	LS_9100.D

H2S (PPM) = 0.0

Component	Mole%	GPM REAL	GPM IDEAL
H2S	0.000		
Nitrogen	2.308		
Methane	76.796		
CO2	0.200		
Ethane	10.693	2.859	2.852
Propane	5.371	1.479	1.476
Isobutane	0.757	0.248	0.247
N-Butane	1.997	0.629	0.628
Isopentane	0.450	0.165	0.164
N-Pentane	0.438	0.159	0.158
Hexanes+	0.990	0.380	0.379
Total	100.000	5.919	5.904

CALCULATED PARAMETERS

TOTAL ANALYSIS SUMMARY

MOLE WT: 21.769
VAPOR PRESS PSIA: 3937.3
SPECIFIC GRAVITY
AIR = 1 (REAL): 0.7541
AIR = 1 (IDEAL): 0.7515
H2O = 1 (IDEAL): 0.359

REPORTED BASIS: 14.73
Unnormalized Total: 97.228

HEATING VALUE

BTU/CUFT (DRY) 1280.4
BTU/CUFT (WET) 1258.6

BTEX SUMMARY

WT% BENZENE 14.798
WT% TOLUENE 7.202
WT% E BENZENE 0.718
WT% XYLENES 1.317

LAB MANAGER

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Sample Name: Crescent Hale 10-4 CDP Chk Gas
Company: Coterra

Data File: LS_9100.D***ANALYSIS OF HEXANES PLUS**

Component	MOLE%	WT%
2,2 DIMETHYL BUTANE	0.003	0.012
CYCLOPENTANE	0.054	0.194
2-METHYLPENTANE	0.100	0.396
3-METHYLPENTANE	0.054	0.215
HEXANE (C6)	0.102	0.403
DIMETHYLPENTANES	0.007	0.034
METHYLCYCLOPENTANE	0.080	0.307
2,2,3 TRIMETHYLBUTANE	0.000	0.001
BENZENE	0.155	0.542
CYCLOHEXANE	0.120	0.462
2-METHYLHEXANE	0.013	0.059
3-METHYLHEXANE	0.020	0.092
DIMETHYLCYCLOPENTANES	0.008	0.037
HEPTANE (C7)	0.025	0.114
METHYLCYCLOHEXANE	0.072	0.326
2,5 DIMETHYLHEXANE	0.001	0.005
TOLUENE	0.068	0.288
2-METHYLHEPTANE	0.008	0.042
OTHER OCTANES	0.026	0.135
OCTANE (C8)	0.007	0.034
ETHYLCYCLOHEXANE	0.005	0.026
ETHYL BENZENE	0.006	0.031
M,P-XYLENE	0.008	0.040
O-XYLENE	0.003	0.014
OTHER NONANES	0.006	0.040
NONANE (C-9)	0.004	0.022
IC3 BENZENE	0.001	0.006
CYCLOOCTANE	0.000	0.000
NC3 BENZENE	0.001	0.003
TM BENZENE(S)	0.002	0.010
IC4 BENZENE	0.000	0.001
NC4 BENZENE	0.001	0.004
DECANES + (C10+)	0.010	0.094

***HEXANES PLUS SUMMARY**

AVG MOLE WT	89.875
VAPOR PRESS PSIA	9.860
API GRAVITY @ 60F	58.4
SPECIFIC GRAVITY	
AIR = 1 (IDEAL):	2.975
H2O = 1 (IDEAL):	0.745

COMPONENT RATIOS

HEXANES (C6) MOLE%	31.648
HEPTANES (C7) MOLE%	44.792
OCTANES (C8) MOLE%	18.362
NONANES (C9) MOLE%	3.360
DECANES+ (C10+) MOLE%	1.838
HEXANES (C6) WT%	29.858
HEPTANES (C7) WT%	42.751
OCTANES (C8) WT%	20.295
NONANES (C9) WT%	4.257
DECANES+ (C10+) WT%	2.839

Remarks:

* Hexane+ portion calculated by Allocation Process



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24159 CRESCENT HALE 10 FED CDP FLARE						
Record Date	Static Pressure	Differential Pressure	Gas Temp	Gas Flowed	Hours Flowed	
2/1/2024	72	1	38	3.00	01:05	
1/31/2024	69	1	33	14.00	03:32	
1/30/2024	74	2	44	75.00	17:17	
1/29/2024	74	4	42	87.00	13:35	
1/28/2024	71	4	52	61.00	09:38	
1/27/2024	34	6	50	81.00	12:28	
1/26/2024	56	7	46	110.00	16:00	
1/25/2024	28	0	46	0.00	0	

Intermediate flaring:

Event Date	Volume Flowed (mcf)	Duration (hrs)
01/27/2024	61	9.64

Details:

[36785] DCP Operating Company LP, Curtailment - Gas Purchaser/HLP, Midstream & Marketing to Evaluate

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District IV
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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 312644

DEFINITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd, Ste 300N Midland, TX 79706	OGRID: 162683
	Action Number: 312644
	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 312644

QUESTIONS

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	Action Number: 312644
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.	
Incident Well	Unavailable.
Incident Facility	[fAPP2202535679] CRESCENT HALE 10 FED

Determination of Reporting Requirements Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.	
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.
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.	
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	Separator
Additional details for Equipment Involved. Please specify	Not answered.

Representative Compositional Analysis of Vented or Flared Natural Gas Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	77
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	0
Oxygen (O2) percentage, if greater than one percent	0
If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.	
Methane (CH4) percentage quality requirement	Not answered.
Nitrogen (N2) percentage quality requirement	Not answered.
Hydrogen Sufide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (C02) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 312644

QUESTIONS (continued)

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	Action Number: 312644
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/27/2024
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	10

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: 61 Mcf Recovered: 0 Mcf Lost: 61 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	Yes
Was notification of downstream activity received by this operator	No
Downstream OGRID that should have notified this operator	[36785] DCP OPERATING COMPANY, LP
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	Curtailment - Gas Purchaser/HLP
Steps taken to limit the duration and magnitude of vent or flare	MINIMIZED FLARE EVENT DURATION
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	MIDSTREAM AND MARKETING TO EVALUATE

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ACKNOWLEDGMENTS

Action 312644

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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: 312644
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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.	2/8/2024