

WAWINN ANALYTICAL

44 South 122nd E Ave Tulsa OK 74128

918-645-5238

Company Name:	WAPITI OPERATING LLC	Component	Norm Amount %	GPM@14.65(PSIA)
District Name:	WAPITI OPERATING LLC	Methane	99.3336	0.000
Station No:	0363139002	Ethane	0.0258	0.007
Cylinder No:	5	Propane	0.0012	0.000
Producer:	WAPATI ENERGY	Iso-Butane	0.0000	0.000
Station Name:	CANADIAN DISCH.	Normal-Butane	0.0000	0.000
Assoc Meters		Iso-Pentane	0.0000	0.000
Area:	RATON NM	Normal-Pentane	0.0000	0.000
Sampled Date:	7/11/2023 2:40 PM	Hexanes++	0.0000	0.000
Analysis Date:	7/24/2023 4:06 PM	Nitrogen	0.1443	0.000
Effective Date:	8/1/2023	Carbon-Dioxide	0.4947	0.000
Spot/Composite:		Oxygen	0.0004	0.000
Pressure:	818.15	Total Norm Amt:	100.0000	0.007
Temperature:	96.94	C6+ Molecular Weight:	0.000	
Ambient Temp:		Total Molecular Weight:	16.202	
Sampled By:	JPG	Component Plus:		
Comments:		Ethane Plus	0.0270	0.007
H2S =	PPM	Propane Plus	0.0012	0.000
Z Factor@14.65 @60F =	0.998	Butane Plus	0.0000	0.000
Ideal Gravity:	0.5594	Pentane Plus	0.0000	0.000
Real Gravity:	0.5603			
Water Content:				
Flow Rate:				

BTU @	Ideal GPM	Real GPM	Ideal BTU Sat	Real BTU Sat	Ideal BTU Dry	Real BTU Dry
14.65	0.007	0.007	983.10	985.38	1000.61	1002.60
14.696	0.007	0.007	986.24	988.54	1003.76	1005.76
14.73	0.007	0.007	988.57	990.87	1006.08	1008.09
15.025	0.007	0.007	1008.71	1011.11	1026.23	1028.32

EMERGENCY GAS VENTING EVENT

Date: 1/17/2024

Time:

Facility Name & Type: Canadian compressor facility

Equipment Involved: Three electric powered recipricating compressors.

Gas Analysis: 0.6 Specific Gravity

Estimated Volume Vented: 447.6 MCF

Reason for Venting: The Canadian facility compressors lost electrical power due to ice storm. Another compressor at York Canyon facility went down during the cold weather causing a backup in our looped gathering system. This caused the pressure to increase at the canadian facility and vent through a pressure relief valve. Compressor mechanics fixed the issue and restarted the York Canyon compressor which reduced the loop line pressure.

Steps Taken to limit venting: Our gathering system is looped so multiple compressor can operate in parallel to compress gas. If only our main Canadian facility looses power It will be isolated from the looped system to prevent an unusual pressure buildup from a second facility to trigger the pressure relief valves.

Corrective Action to Prevent Recurrence of Venting:

Detail Venting Information

Line Pressure Vented;; 80 psig

Line Temperature: 80 deg F

Size of Valve Vented: 2 Inches (full port ball valve)

Percent open controlling flow: 100%

Venting Duration 240 Minutes Note: Operator estimated venting was roughly 4 hours

Vent Calculations

T_i =	80 degF	MW =	16.04 lb / lbmol	Venting Event Information 80 deg F Line Temp 15 psig Line Pressure 2" full port ball valve	
P_i =	15 psig	k =	1.597		
P_o =	1 psig	SG =	0.6		
C_d =	0.85	g_c =	32.17 ft-lbm/lbf-sec^2		

Atm_P	15.025 psi	R =	1545.3 ft-lbf/lbmol degR	240 minute duration
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ID of Vent	2.000	in
Percent Open	100%	
Orifice Area	3.142	in^2

PR_crit = 0.85

m_dot =	1.428 lbm/sec
m_dot =	5140.7 lbm/hr
Q =	2.686 MMSCFD

or

q =	111,910 scf/hr
q =	1,865 scf/m

q @240 minutes = 447.6 Mscf

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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 309451

DEFINITIONS

Operator: Wapiti Operating, LLC 1251 Lumpkin Rd Houston, TX 77043	OGRID: 328741
	Action Number: 309451
	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

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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	[fAPP2206941672] Canadian River Tank Battery

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	Yes
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.
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	Flow Line - Production
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	99
Nitrogen (N2) percentage, if greater than one percent	0
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	0
Oxygen (02) 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 (02) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

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QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/17/2024
Time vent or flare was discovered or commenced	08:00 AM
Time vent or flare was terminated	12:00 PM
Cumulative hours during this event	4

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure Flow Line - Production Natural Gas Vented Released: 448 Mcf Recovered: 0 Mcf Lost: 448 Mcf.
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure Flow Line - Production Natural Gas Flared Released: 0 Mcf Recovered: 0 Mcf Lost: 0 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	This was a result of an Ice storm and damaged equipment
Steps taken to limit the duration and magnitude of vent or flare	Repaired the Compressor that went down at another location
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Will shut compressors and wells in faster next time

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ACKNOWLEDGMENTS

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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
rmdison	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.	1/30/2024