



Winn Analytical LLC
 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	99.2960	0.000
Station No:	0363139002	Ethane	0.0251	0.007
Cylinder No:	73	Propane	0.0017	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:	7/14/2022 12:45 PM	Hexanes++	0.0000	0.000
Analysis Date:	8/5/2022	Nitrogen	0.1798	0.000
Effective Date:	8/1/2022	Carbon-Dioxide	0.4959	0.000
Pressure:	838	Oxygen	0.0015	0.000
Temperature:	84.83	Total Norm Amt:	100.0000	0.007
Sampled By:	JPG	C6+ Molecular Weight:	0.000	
State:	NM	Total Molecular Weight:	16.207	
Comments:		Component Plus:		
H2S =	PPM	Ethane Plus	0.0268	0.007
Z Factor@14.65 @60F =	0.998	Propane Plus	0.0017	0.000
Ideal Gravity:	0.5596	Butane Plus	0.0000	0.000
Real Gravity:	0.5605	Pentane Plus	0.0000	0.000
Water Content:	lbs/mmcft			

BTU @	Ideal GPM	Real GPM	Ideal BTU Sat	Real BTU Sat	Ideal BTU Dry	Real BTU Dry
14.65	0.007	0.007	982.73	985.01	1,000.24	1,002.22
14.696	0.007	0.007	985.87	988.16	1,003.38	1,005.37
14.73	0.007	0.007	988.19	990.49	1,005.70	1,007.71
15.025	0.007	0.007	1,008.33	1,010.72	1,025.84	1,027.93

Gas Analysis performed in accordance with GPA 2261

Upload

Disclaimer: Component GPMs of this reconstructed Analysis Report were computed based on the latest factors prescribed by the Gas Processors Association.

EMERGENCY GAS VENTING EVENT

Date: 6/11/2023
 Time: 1910 hrs.
 Facility Name & Type: Canadian compressor facility
 Equipment Involved: Three electric powered recipricating compressors.
 Gas Analysis: 0.6 Specific Gravity
 Estimated Volume Vented: **469.7** MCF
 Reason for Venting: Lost power to electric driven compressors due to lightning strike at substation.
 Steps Taken to limit venting: Shut down and backed off compression supplying gas to recipricating compressors.
 Corrective Action to Prevent Recurrence of Venting: Repaired substation electrical equipment and inspected substation for additional maintenance.

Detail Venting Information

Line Pressure Vented;; 90 psig
 Line Temperature: 80 deg F
 Size of Valve Vented: 6 Inches (full port ball valve)
 Percent open controlling flow: 100%
 Venting Duration 8 Minutes Note: Operator indicated venting was roughly 5-10 minutes

Vent Calculations

T_i =	80 degF	MW =	16.04 lb / lbmol
P_i =	90 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

Venting Event Information

80 deg F Line Temp
90 psig Line Pressure
6" full port ball valve
8 minute duration

ID of Vent	6.000	in
Percent Open	100%	
Orifice Area	28.274	in^2

PR_crit = 0.85

m_dot =	44.954 lbm/sec
m_dot =	161836.0 lbm/hr
Q =	84.554 MMSCFD

or

q =	3,523,077 scf/hr
q =	58,718 scf/m

q @ 8 minutes =	469.7 Mscf
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 Phone:(505) 476-3470 Fax:(505) 476-3462

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

DEFINITIONS

Action 237816

DEFINITIONS

Operator: Wapiti Operating, LLC 1251 Lumpkin Rd Houston, TX 77043	OGRID: 328741
	Action Number: 237816
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 237816

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 Operator	[328741] Wapiti Operating, LLC
Incident Type	Flare
Incident Status	Closure Not Approved
Incident Well	Unavailable.
Incident Facility	[fAPP2206941672] Canadian River Tank Battery
<i>Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.</i>	

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	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.
<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	Gas Compressor Station
Additional details for Equipment Involved. Please specify	3 Electric powered reciprocating compressors shut down due to and electrical failure when a regulator failed at the Canadian Sub-Station,

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	99
Nitrogen (N2) percentage, if greater than one percent	0
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	1
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 237816

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	06/11/2023
Time vent or flare was discovered or commenced	07:10 PM
Time vent or flare was terminated	07:18 PM
Cumulative hours during this event	0

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: High Line Pressure Gas Compressor Station Natural Gas Vented Released: 470 Mcf Recovered: 0 Mcf Lost: 470 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Other (Specify) Released: 0 (Unknown Released Amount) Recovered: 0 Lost: 0
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	No
Downstream OGRID that should have notified this operator	Not answered.
Date notified of downstream activity requiring this vent or flare	
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	An electric regulator fail in the Canadian sub-station. This shut that leg of the sub-station down.
Steps taken to limit the duration and magnitude of vent or flare	Shut the valves going to these compressors.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	The regulatory was replaced. Routine maintenance is being preformed on the sub-station to hopefully prevent this in the future.

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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC.
<input checked="" type="checkbox"/>	I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record.
<input checked="" type="checkbox"/>	I hereby certify the statements in this amending 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

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CONDITIONS

Created By	Condition	Condition Date
rmadison	If the information provided in this report requires further amendment(s), submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	7/11/2023