

# Gas Composition and Properties

Effective October 1, 2022 00:00 - January 18, 2038 21:14

Source #: 1181296  
 Name: Tayberries 13 State 501H

Component	Mole %	Liquid Content	Mass %
Carbon Dioxide (CO2)	1.1555		2.3024
Nitrogen (N2)	3.7330		4.7347
Methane (C1)	73.5253		53.4039
Ethane (C2)	11.7479	3.1355	15.9935
Propane (C3)	6.0785	1.6712	12.1355
Isobutane (IC4)	0.6689	0.2184	1.7602
n-Butane (NC4)	1.7042	0.5362	4.4846
Isopentane (IC5)	0.4069	0.1485	1.3292
n-Pentane (NC5)	0.3710	0.1342	1.2119
Hexanes Plus (C6+)	0.6088	0.2711	2.6441
Argon (Ar)			
Carbon Monoxide (CO)			
Hydrogen (H2)			
Oxygen (O2)			
Helium (He)			
Water (H2O)			
Hydrogen Sulfide (H2S)	0.0000		0.0000
<b>Totals</b>	<b>100.0000</b>	<b>6.1140</b>	<b>100.0000</b>

Property	Total Sample
Pressure Base	14.65
Temperature Base	60
HCDP @ Sample Pressure	
Cricondentherm	
HV, Dry @ Base P, T	1244.74
HV, Sat @ Base P, T	1222.96
HV, Sat @ Sample P, T	
Relative Density	0.7651
C6+: 48 - 36 - 17	

**Sample**

Date: 10/12/2022                      Type: Spot

Tech: Chris T

Pressure:                      20.0 psi      Temp.:      80 °F

Gauge:                                      H2O:

Atm. Pressure:                      H2S:      0 ppm

Remarks:

**Analysis**

Date:                                      Instrument:

Tech:                                      Cylinder:

Remarks:

\*\*\* End of Report \*\*\*

Enter data in shaded fields to calculate gas volumes released due to leak and blowdown of system.

Hours of leak =	1.25	Example: Leak for 4 (est) hours out of a 1/4 inch hole with line pressure of 750 psig
Diameter of hole (inches) =	1.5	
Upstream Pressure =	25	
Volume of gas (mcf/hr) loss is equal to the hole diameter squared times the upstream pressure absolute. *		
Volume of Gas Leaked =	111.66 Mcf	

Footage of Pipe blowdown =	4224	Calculated factor for line pack = 0.943
Initial line pressure =	25	
Diameter of Pipe (inches) =	8	
Volume of Gas BlownDown =	3.98 Mcf	Example: Loss of gas due to blowdown of 7 miles of 12 inch at initial pressure 51 psig

Total Volume of Gas Loss =	115.64 Mcf	Reportable	50 Mcf
		Immediate Notification	500 Mcf

Comments:

Name : Amber Groves | Title : Sr. Environmental Specialist

\* Pipeline Rules of Thumb Handbook /2nd Edition

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**Oil Conservation Division**  
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DEFINITIONS

Action 261941

**DEFINITIONS**

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 261941
	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 261941

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**QUESTIONS**

<b>Prerequisites</b>	
<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	[fAPP2123021777] Targa NM Gathering System

<b>Determination of Reporting Requirements</b>	
<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

<b>Equipment Involved</b>	
Primary Equipment Involved	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	74
Nitrogen (N2) percentage, if greater than one percent	4
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	2
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 (continued)**

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**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	08/30/2023
Time vent or flare was discovered or commenced	10:30 AM
Time vent or flare was terminated	11:45 AM
Cumulative hours during this event	1

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Human Error   Pipeline (Any)   Natural Gas Vented   Released: 116 Mcf   Recovered: 0 Mcf   Lost: 116 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)	<b>Yes, according to supplied volumes this appears to be a "gas only" report.</b>

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	Gas was vented to atmosphere when a third party struck Targa's 8 inch poly gathering line. The line was marked and one call cleared.
Steps taken to limit the duration and magnitude of vent or flare	Operations personnel responded immediately to the third party line strike. The section of pipeline was isolated and depressurized to atmosphere. Once the pipeline section was depressurized, the emission event ended.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	The section of pipeline was replaced. Once the section was replaced and verified to be safe to operate, it was returned to service. This was beyond Targa's control.



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ACKNOWLEDGMENTS

Action 261941

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**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 <b>complete</b> 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 261941

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	Action Number: 261941
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**CONDITIONS**

Created By	Condition	Condition Date
amberg	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.	9/5/2023