

Amount Flared in scf? 107,955.00  
 What is molar volume? 379.5 (scf/lb-mole)

Gas Component	Mole %	LHV (btu/scf)	Net		Net LHV (btu/scf)	Molecular Weight %	Vented To	Vented To
			Molecular Wt. (lb/lb-mole)	Molecular Wt. (lb/lb-mole)			Atmosphere (lbs)	Flare (lbs)
H2S	0.0005	586.80	34.08	0.00	0.00	0.00	0.05	0.00
Carbon Dioxide	7.4500	0.00	44.01	3.28	0.00	3.80	932.70	932.70
Nitrogen	2.4170	0.00	28.01	0.68	0.00	0.79	192.59	192.59
Methane	72.4630	909.40	16.04	11.62	658.98	13.49	3306.37	66.13
Ethane	9.5104	1618.70	30.07	2.86	153.94	3.32	813.51	16.27
Propane	4.9352	2314.90	44.10	2.18	114.24	2.53	619.12	12.38
iso-Butane	0.6355	3000.40	58.12	0.37	19.07	0.43	105.07	2.10
n-Butane	1.4365	3010.80	58.12	0.83	43.25	0.97	237.49	4.75
iso-Pentane	0.3502	3699.00	72.15	0.25	12.95	0.29	71.87	1.44
n-Pentane	0.3521	3706.90	72.15	0.25	13.05	0.29	72.26	1.45
Hexanes+	0.4498	4403.80	86.18	0.39	19.81	0.45	110.26	2.21
<b>Totals</b>	<b>100.00</b>	(must equal 100)		<b>22.71</b>	<b>1035.30</b>	<b>26.36</b>	<b>6461.27</b>	<b>1232.00</b>

**TOTAL VOCs (C3+) lbs 1216.06 24.32**

**TOTAL VOCs (C3+) tons 0.61 0.01**

Gas Component	Standard Emission	MMBTU	Pounds From	Tons From
	Factor (lb/MMBTU)	Flared	Flare	Flare
Nitrogen Oxide	0.138	111.77	15.42	0.01
Carbon Monoxide	0.2755	111.77	30.79	0.02
Sulfur Dioxide			0.09	0.00



Please submit this form by the 5<sup>th</sup> business day of the month following the month the vent/blowdown occurred. Please submit a separate form for each site. All sections should be filled out by field personnel. **All red fields per event must be entered to calculate volumes correctly!** **All yellow fields should be entered if known for increased accuracy.**

Balance/Lateral	FRAC CAT BALANCE VENT BD	Event Month	February
CS/Plant	FRAC CAT CS VENT BD	Event Day	9
Employee Name	Aaron Smith	Event Year	2023

Calculated (Pipeline) Volumes							
Blowdown(s)				Purge/Vent			
Reference Meter Number		Blowdown (MCF)	62.58	Reference Meter Number		Volume Lost (MCF)	153.33
Pipe ID (in)	12in Sch. 80	Length (Feet)	29,798.88	Beginning Date & Time	02/09/2023 1325	Vent Duration (Hours)	0.83
Begin Press. (PSIG)	43.40	End Press. (PSIG)	0.00	Ending Date & Time	02/09/2023 1415	Gas Temp	
Gas Temp.		Specific Gravity		Pipe ID (in)	12in Sch. 80	Specific Gravity	
Elevation (ft)				Orifice Size (in)	2	Elevation (ft)	
				Avg Pressure	38.00		
Reference Meter Number		Blowdown (MCF)		Reference Meter Number		Volume Lost (MCF)	
Pipe ID (in)		Length (Feet)		Beginning Date & Time		Vent Duration (Hours)	
Begin Press. (PSIG)		End Press. (PSIG)		Ending Date & Time		Gas Temp	
Gas Temp.		Specific Gravity		Pipe ID (in)		Specific Gravity	
Elevation (ft)				Orifice Size (in)		Elevation (ft)	
				Avg Pressure			
Reference Meter Number		Blowdown (MCF)		Reference Meter Number		Volume Lost (MCF)	
Pipe ID (in)		Length (Feet)		Beginning Date & Time		Vent Duration (Hours)	
Begin Press. (PSIG)		End Press. (PSIG)		Ending Date & Time		Gas Temp	
Gas Temp.		Specific Gravity		Pipe ID (in)		Specific Gravity	
Elevation (ft)				Orifice Size (in)		Elevation (ft)	
				Avg Pressure			

Known (Station) Volumes					
Volumes must be known to calculate correctly!					
Type of Blowdown	Number of Occurrences		Known Volume (MCF) Blowdown		Volume (MCF)
		Multiplied by		Equals	
		Multiplied by		Equals	
		Multiplied by		Equals	

Total Volume (MCF): 215.91

**Comments:**

w pressure gathering system. Once complete we opened up to purge at our Thistle Compressor Station to rid Oxygen out of the system. 21

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

DEFINITIONS

Action 190484

DEFINITIONS

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 190484
	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: <ul style="list-style-type: none"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul>
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QUESTIONS

Action 190484

**QUESTIONS**

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	Action Number: 190484
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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	[fAPP2123031392] TARGA NORTHERN DELAWARE, LLC.

**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	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 <b>ANY</b> 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	Pipeline (Any)
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	72
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	5
Carbon Dioxide (CO2) percentage, if greater than one percent	7
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 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 190484

QUESTIONS (continued)

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	Action Number: 190484
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	02/09/2023
Time vent or flare was discovered or commenced	01:25 PM
Time vent or flare was terminated	02:15 PM
Cumulative hours during this event	1

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Other   Pipeline (Any)   Natural Gas Vented   Released: 108 Mcf   Recovered: 0 Mcf   Lost: 108 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	Gas was vented to atmosphere when the Atoka Bank 12-inch lateral from Frac Cat Compressor Station to Thistle Compressor station was depressurized to prepare for a pipeline tie in. It was necessary to depressurize the line to safely perform the pipeline tie in.
Steps taken to limit the duration and magnitude of vent or flare	Gas was blown down to atmosphere until the section of pipeline was depressurized.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	The section of pipeline was depressurized, and the emission event ended. After the end of the emission event, the pipeline tie in work was completed.

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ACKNOWLEDGMENTS  
  
Action 190484

**ACKNOWLEDGMENTS**

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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 190484

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	Action Number: 190484
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
jfuentes	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.	2/24/2023