Monthly Meter Analysis

August 2021

Targa Pipeline Company

Meter #: 139100005
Name: Green Gas Noth Inlet

Sample
Date: 08/26/2021
Type: Spot

Pressure:	43.4	H2O:	
Temperature:	85.5	H2S:	1,011 ppm

Component	Mole %	Liquid Content	Mass %
Carbon Dioxide, CO2	1.3017		2.6332
Nitrogen, N2	1.6195		2.0854
Methane, C1	79.1320		58.3520
Ethane, C2	8.4988	2.2683	11.7465
Propane, C3	4.6429	1.2765	9.4106
Isobutane, iC4	0.8177	0.2670	2.1846
n-Butane, nC4	1.5166	0.4772	4.0518
Isopentane, iC5	0.5146	0.1878	1.7066
n-Pentane, nC5	0.4655	0.1684	1.5438
Hexanes Plus, C6+	1.3896	0.6188	6.1271
Argon, Ar			
Carbon Monoxide, CO			
Hydrogen, H2			
Oxygen, O2			
Helium, He			
Water, H2O			
Hydrogen Sulfide, H2S	0.1011		0.1584
Totals	100.0000	5.2640	100.0000

Property	Total Sample
Pressure Base	14.650
Temperature Base	60.00
Relative Density	0.7536
HV, Dry @ Base P,T	1256.37
HV, Sat @ Base P, T	1234.38
HV, Sat @ Sample P, T	
Cricondentherm	
HCDP @ Sample Pressure	
Full Wellstream	
Free Water	
Condensate	
26 # RVP Gasoline	1.534
Testcar Permian	0.884
Testcar Panhandle	1.003
Testcar Midcon	0.867

*** End of Report ***

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

Hours of leak =	0.883333	Example:
Diameter of hole (inches) =	0.125	Leak for 4 (est) hours out of a 1/4 inch hole with line presure of 750 psig
Upstream Pressure =	33	

Volume of gas (mcf/hr) loss is equal to the hole diameter squared times the upstream pressure absolute. *

Volume of Gas Leaked = 0.66 Mcf

Footage of Pipe blowndown =	20064	
Initial line pressure =	33	Calculated factor for line pack = 7.079
Diameter of Pipe (inches) =	20	

Example:

Volume of Gas BlownDown = 142.04 Mcf

Loss of gas due to blowdown of 7 miles of 12 inch at initial pressure 51 psig

Reportable	50 Mcf
Immediate Notification	500 Mcf

Total Volume of Gas Loss = 142.70 Mcf

Comments:

Name : Joseph Tillman Austin | Title : Environmental Specialist

* Pipeline Rules of Thumb Handbook /**2nd Edition**

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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District III
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District IV
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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

QUESTIONS

Action 48189

QUESTIONS

Operator: TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	OGRID: 24650
	Action Number: 48189
	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	*Not answered.*
Incident Facility	**[fAPP2123021777] Targa NM Gathering System**

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional guidance.	
Was or is this venting and/or flaring caused by an emergency or malfunction	Yes
Did or will this venting and/or flaring last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a venting and/or flaring 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 or will there be **at least 50 MCF** of natural gas vented and/or flared during this event	Yes
Did this venting and/or flaring 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 venting and/or flaring 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	*Not answered.*
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	79
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	1,011
Carbon Dioxide (C02) percentage, if greater than one percent	1
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.*

Date(s) and Time(s)	
Date venting and/or flaring was discovered or commenced	09/09/2021
Time venting and/or flaring was discovered or commenced	08:52 AM
Time venting and/or flaring was terminated	12:43 PM
Cumulative hours during this event	4

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Corrosion | Pipeline (Any) | Natural Gas Vented | Released: 143 Mcf | Recovered: 0 Mcf | Lost: 143 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 or is this venting and/or flaring a result of downstream activity	*Not answered.*
Was notification of downstream activity received by you or your operator	*Not answered.*
Downstream OGRID that should have notified you or your operator	*Not answered.*
Date notified of downstream activity requiring this venting and/or flaring	*Not answered.*
Time notified of downstream activity requiring this venting and/or flaring	*Not answered.*

Steps and Actions to Prevent Waste	
For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control.	True
Please explain reason for why this event was beyond your operator's control	Gas was vented to atmosphere when internal corrosion caused a pinhole (diameter of 0.125 inches) to form in Targa's 20 inch steel gathering pipeline.
Steps taken to limit the duration and magnitude of venting and/or flaring	Upon discovery, field operations immediately began to isolate the failed section of pipeline in order to stop the leak and repair the line. Upon isolation, the section of pipeline was depressurized to atmospheric pressure in order to make repairs.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	The failed section of pipeline was clamped and inspected to verify that it was safe to operate. When the line was verified to be safe to operate, the pipeline was returned to service.

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CONDITIONS

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	Action Number: 48189
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
tillmana	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.	9/13/2021