

Gas Composition and Properties

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

Source #: 110090

Name: Vada HP Gas to Saunders

Component	Mole %	Liquid Content	Mass %	Property	Total Sample
Carbon Dioxide (CO2)	1.8808		3.8200	Pressure Base	14.65
Nitrogen (N2)	5.3890		6.9670	Temperature Base	60
Methane (C1)	74.4704		55.1347	HCDP @ Sample Pressure	
Ethane (C2)	9.4295	2.5158	13.0851	Cricondentherm	
Propane (C3)	5.1660	1.4199	10.5128	HV, Dry @ Base P, T	1172.15
Isobutane (IC4)	0.7566	0.2470	2.0294	HV, Sat @ Base P, T	1151.64
n-Butane (NC4)	1.5836	0.4981	4.2477	HV, Sat @ Sample P, T	
Isopentane (IC5)	0.3789	0.1382	1.2616	Relative Density	0.7503
n-Pentane (NC5)	0.3530	0.1277	1.1754		
Hexanes Plus (C6+)	0.2925	0.1302	1.2949		
Argon (Ar)					
Carbon Monoxide (CO)					
Hydrogen (H2)					
Oxygen (O2)					
Helium (He)					
Water (H2O)					
Hydrogen Sulfide (H2S)	0.2997		0.4714	C6+: 48 - 36 - 17	
Totals	100.0000	5.0770	100.0000		

Sample

Date: 05/09/2022

Type: Spot

Tech: John Britt

Pressure: 599.0 psi Temp.: 85 °F

Gauge: H2O:

Atm. Pressure: H2S: 2,997 ppm

Remarks:

Analysis

Date:

Instrument:

Cylinder:

Tech:

Remarks:

*** End of Report ***

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

Hours of leak =	3.5	Example:
Diameter of hole (inches) =	0.25	Leak for 4 (est) hours out of a 1/4 inch hole with line pressure of 750 psig
Upstream Pressure =	660	
Volume of gas (mcf/hr) loss is equal to the hole diameter squared times the upstream pressure absolute. *		
Volume of Gas Leaked =	147.59 Mcf	

Footage of Pipe blowdown =	52800	
Initial line pressure =	660	Calculated factor for line pack = 25.034
Diameter of Pipe (inches) =	10	
Volume of Gas BlownDown =	1321.77 Mcf	Example: Loss of gas due to blowdown of 7 miles of 12 inch at initial pressure 51 psig
Total Volume of Gas Loss =	1469.36 Mcf	Reportable 50 Mcf
		Immediate Notification 500 Mcf

Comments:

Name : Joseph Tillman Austin | Title : Environmental Specialist

* Pipeline Rules of Thumb Handbook /2nd Edition

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State of New Mexico
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Oil Conservation Division
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DEFINITIONS

Action 113775

DEFINITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 113775
	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: <ul style="list-style-type: none">• 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 113775

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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	[24650] TARGA MIDSTREAM SERVICES LLC
Incident Type	Flare
Incident Status	Closure Not Approved
Incident Well	Not answered.
Incident Facility	[fAPP2123021777] Targa NM Gathering System
<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

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, major 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 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	74
Nitrogen (N2) percentage, if greater than one percent	5
Hydrogen Sulfide (H2S) PPM, rounded up	2,997
Carbon Dioxide (CO2) percentage, if greater than one percent	2
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 113775

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	05/26/2022
Time vent or flare was discovered or commenced	06:30 AM
Time vent or flare was terminated	10:00 AM
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: 1,469 Mcf Recovered: 0 Mcf Lost: 1,469 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 a small leak formed on Targa's 10 inch steel gathering line. The cause of the leak was internal corrosion.
Steps taken to limit the duration and magnitude of vent or flare	Gas was vented until the leaking section of pipeline could be isolated and depressurized to atmosphere.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	The leak was isolated and the leaking section of pipe was depressurized to atmosphere. The venting of gas then ended. Once the venting of gas ended the section of pipeline was replaced to prevent further leaking.

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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
tillmana	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.	6/6/2022