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LABORATORY IN ODESSA
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08/16/22

EXTENDED GAS ANALYSIS

LAB 65605

TARGA: VADA
LOW PRESSURE INLET: 139100005

	MOL %	GPM
HYDROGEN SULFIDE	0.7838	0.000
NITROGEN	2.9428	0.000
METHANE	71.8771	0.000
CARBON DIOXIDE	3.6521	0.000
ETHANE	9.9048	2.645
PROPANE	5.6752	1.561
ISO-BUTANE	0.8463	0.277
N-BUTANE	1.8038	0.568
ISO-PENTANE	0.5626	0.205
N-PENTANE	0.5407	0.196
NEOHEXANE	0.0136	0.006
CYCLOPENTANE	0.0496	0.015
2-METHYLPENTANE	0.1134	0.047
3-METHYLPENTANE	0.0665	0.027
N-HEXANE	0.1463	0.060
METHYLCYCLOPENTANE	0.0852	0.030
BENZENE	0.0428	0.012
CYCLOHEXANE	0.1011	0.034
2-METHYLHEXANE	0.0402	0.019
3-METHYLHEXANE	0.0422	0.019
DIMETHYLCYCLOPENTANES	0.0545	0.022
N-HEPTANE	0.0684	0.032
METHYLCYCLOHEXANE	0.1263	0.051
TRIMETHYLCYCLOPENTANES	0.0093	0.004
TOLUENE	0.0577	0.019
2-METHYLHEPTANE	0.0447	0.023
3-METHYLHEPTANE	0.0017	0.001
DIMETHYLCYCLOHEXANES	0.0298	0.013
N-OCTANE	0.0417	0.021
ETHYL BENZENE	0.0113	0.004
M&P-XYLENES	0.0403	0.016
O-XYLENE	0.0121	0.005
C9 NAPHTHENES	0.0341	0.018
C9 PARAFFINS	0.0602	0.035
N-NONANE	0.0196	0.012
N-DECANE	0.0098	0.006
UNDECANE PLUS	0.0884	0.059
TOTALS	100.0000	6.062

SPECIFIC GRAVITY 0.813
GROSS DRY BTU/CU.FT. 1256.2
GROSS WET BTU/CU.FT. 1234.8
TOTAL MOL. WT. 23.461
MOL. WT. C6+ 100.270
SP. GRAVITY C6+ 4.102
MOL. WT. C7+ 113.186
SP. GRAVITY C7+ 4.988
BASIS: 14.65 PSIA @ 60 °F

SAMPLED: 08/10/22
19 PSI @ 80 °F
RUN: 08/11/22
SPOT SR
CYLINDER: 65
DISTRIBUTION: MR JOSEPH AUSTIN
7837.94 PPM H2S

<i>Blowdown of line from 750 psig to atmosphere</i>	
Footage of Pipe blowdown =	62304
Initial line pressure =	750
Diameter of Pipe (inches) =	10
Volume of Gas BlownDown = 1767.74 Mcf Example: Loss of gas due to blowdown of 7 miles of 12 inch at initial pressure 51 psig	
<i>Blowdown of line from 450 psig to atmosphere</i>	
Footage of Pipe blowdown =	62304
Initial line pressure =	450
Diameter of Pipe (inches) =	10
Volume of Gas BlownDown = 1074.24 Mcf Example: Loss of gas due to blowdown of 7 miles of 12 inch at initial pressure 51 psig	
Reportable 50 Mcf Immediate Notification 500 Mcf	
<i>Blowdown of line from 750 psig to 450 psig (take difference between the two blowdown calcs)</i> Total Volume of Gas Loss = 693.50 Mcf	
Comments:	
Name : Joseph Tillman Austin Title : Environmental Specialist	
* Pipeline Rules of Thumb Handbook /2nd Edition	

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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DEFINITIONS

Action 195345

DEFINITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 195345
	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 195345

QUESTIONS

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	Action Number: 195345
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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 Operator	[24650] TARGA MIDSTREAM SERVICES LLC
Incident Type	Flare
Incident Status	Closure Not Approved
Incident Well	Unavailable.
Incident Facility	[fAPP2123021777] Targa NM Gathering System

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.

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.

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 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	72
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	7,838
Carbon Dioxide (C02) percentage, if greater than one percent	4
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 Sufide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (C02) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 195345

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	02/25/2023
Time vent or flare was discovered or commenced	08:00 PM
Time vent or flare was terminated	09:00 PM
Cumulative hours during this event	1

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure Pipeline (Any) Natural Gas Vented Released: 694 Mcf Recovered: 0 Mcf Lost: 694 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	
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 when a hydrate was discovered in the Vada discharge line. It was necessary to depressurize the line to safely remove the hydrate. The Vada discharge line is pigged twice a day to prevent hydrate formation. The facility operates a glycol unit to remove moisture from the gas prior to the gas leaving the facility to also prevent hydrate formation. All conditions were normal prior to the shutdown. This event was unavoidable.
Steps taken to limit the duration and magnitude of vent or flare	Gas was vented until the line was depressurized.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Operations safely removed the hydrate. The discharge line was returned to normal service, and normal operations resumed.

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ACKNOWLEDGMENTS

Action 195345

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ACKNOWLEDGMENTS

☒	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.
☒	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.
☒	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.
☒	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.
☒	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.	3/9/2023