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EXTENDED GAS REPORT SUMMARY OF CHROMATOGRAPHIC ANALYSIS

Sample Name:	Big Lizard Compressor Station	For:	22707G
Sample Date:	10/30/2024	Cyl. Ident.:	2024100566
Sampled By:	Alexis Vasquez	Company:	Targa
Time Sampled:	15:15	Analysis Date:	11/05/2024
Sample Temp:	78.0 F	Analysis By:	LC
Sample Press:	70.0	Data File:	LS2_1021.D

H2S (PPM) = 2.5

Component	Mole%	GPM REAL	GPM IDEAL
H2S	0.000		
Nitrogen	2.152		
Methane	71.773		
CO2	7.436		
Ethane	9.873	2.640	2.634
Propane	5.171	1.424	1.421
Isobutane	0.675	0.221	0.220
N-Butane	1.571	0.495	0.494
Isopentane	0.396	0.145	0.144
N-Pentane	0.405	0.147	0.146
Hexanes+	0.548	0.282	0.281
Total	100.000	5.354	5.340

CALCULATED PARAMETERS

TOTAL ANALYSIS SUMMARY

MOLE WT: 23.186
VAPOR PRESS PSIA: 3678.8
SPECIFIC GRAVITY
AIR = 1 (REAL): 0.8033
AIR = 1 (IDEAL): 0.8006
H2O = 1 (IDEAL): 0.386

REPORTED BASIS: 14.73
Unnormalized Total: 103.214

HEATING VALUE

BTU/CUFT (DRY) 1177.8
BTU/CUFT (WET) 1157.8

BTEX SUMMARY

WT% BENZENE 7.834
WT% TOLUENE 1.764
WT% E BENZENE 0.319
WT% XYLENES 0.638

LAB MANAGER



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Sample Name: Big Lizard Compressor Station
Company: Targa

Data File: LS2_1021.D

*ANALYSIS OF HEXANES PLUS

Component	MOLE%	WT%
2,2 DIMETHYL BUTANE	0.003	0.011
CYCLOPENTANE	0.004	0.014
2-METHYLPENTANE	0.003	0.010
3-METHYLPENTANE	0.002	0.009
HEXANE (C6)	0.002	0.009
DIMETHYLPENTANES	0.020	0.084
METHYLCYCLOPENTANE	0.002	0.008
2,2,3 TRIMETHYLBUTANE	0.000	0.000
BENZENE	0.005	0.018
CYCLOHEXANE	0.004	0.013
2-METHYLHEXANE	0.000	0.000
3-METHYLHEXANE	0.024	0.106
DIMETHYCYCLOPENTANES	0.000	0.000
HEPTANE (C7)	0.001	0.003
METHYLCYCLOHEXANE	0.003	0.011
2,5 DIMETHYLHEXANE	0.003	0.014
TOLUENE	0.003	0.013
2-METHYLHEPTANE	0.000	0.000
OTHER OCTANES	0.080	0.383
OCTANE (C8)	0.001	0.004
ETHYLCYCLOHEXANE	0.002	0.010
ETHYL BENZENE	0.002	0.009
M,P-XYLENE	0.002	0.007
O-XYLENE	0.002	0.008
OTHER NONANES	0.229	1.253
NONANE (C-9)	0.001	0.005
IC3 BENZENE	0.002	0.011
CYCLOOCTANE	0.000	0.000
NC3 BENZENE	0.000	0.000
TM BENZENE(S)	0.007	0.037
IC4 BENZENE	0.001	0.006
NC4 BENZENE	0.000	0.000
DECANES + (C10+)	0.123	0.729

*HEXANES PLUS SUMMARY

AVG MOLE WT	121.173
VAPOR PRESS PSIA	9.860
API GRAVITY @ 60F	56.4
SPECIFIC GRAVITY	
AIR = 1 (IDEAL):	2.975
H2O = 1 (IDEAL):	0.753

COMPONENT RATIOS

HEXANES (C6) MOLE%	2.661
HEPTANES (C7) MOLE%	13.451
OCTANES (C8) MOLE%	16.486
NONANES (C9) MOLE%	43.018
DECANES+ (C10+) MOLE%	24.384
HEXANES (C6) WT%	1.842
HEPTANES (C7) WT%	10.907
OCTANES (C8) WT%	14.853
NONANES (C9) WT%	45.102
DECANES+ (C10+) WT%	27.296

Remarks: NR=NOT REPORTED ON FIELD TAG





We reviewed all data available for Unit 1148 during that day and found that the unit was operating within parameters (under 2nd and 3rd stage safety kills and under MAOP). The PRV estimation is 9,500 scf per day then multiplied by the 22 days from LDAR identification to repair, equaling to 209,000 scf.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

DEFINITIONS

Action 427727

DEFINITIONS

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 427727
	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 427727

QUESTIONS

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	Action Number: 427727
	Action Type: [C-129] Venting and/or Flaring (C-129)

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 Well	Unavailable.
Incident Facility	[APP2123031392] TARGA NORTHERN DELAWARE, LLC.

Determination of Reporting Requirements <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	Yes
Is this considered a submission for a vent or flare event	Yes, answer to "eight hours or more" suggests this is at least a minor event.
<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	No
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

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 <i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	72
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	3
Carbon Dioxide (CO2) percentage, if greater than one percent	7
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, Page 2

Action 427727

QUESTIONS (continued)

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	Action Number: 427727
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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	10/31/2024
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	24

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure Gas Compressor Station Natural Gas Vented Released: 10 Mcf Recovered: 0 Mcf Lost: 10 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 when the 2nd/3rd stage pressure relief valve (PRV) on compressor unit 1148 failed. The failed PRV caused gas to release to atmosphere.
Steps taken to limit the duration and magnitude of vent or flare	Gas was vented until the PRV was repaired.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	On 11/12/2024, the PRV was repaired. Normal operations resumed, and the emission event ended.

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ACKNOWLEDGMENTS

Action 427727

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	Action Number: 427727
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☒	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 complete C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
☒	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.
☒	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.
☒	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 an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	2/3/2025