



www.permianls.com
575.397.3713 2609 W MARLAND HOBBS, NEW MEXICO 88240

EXTENDED GAS REPORT SUMMARY OF CHROMATOGRAPHIC ANALYSIS

Sample Name:	Bootleg Ridge Compressor Station	For:	22702G
Sample Date:	10/31/2024	Cyl. Ident.:	2024100561
Sampled By:	Alexis Vasquez	Company:	Targa
Time Sampled:	07:50	Analysis Date:	11/05/2024
Sample Temp:	60.0 F	Analysis By:	LC
Sample Press:	55.0	Data File:	LS2_1025.D

H₂S (PPM) = 3.0

Component	Mole%	GPM REAL	GPM IDEAL
H ₂ S	0.000		
Nitrogen	2.047		
Methane	73.253		
CO ₂	3.557		
Ethane	11.012	2.944	2.937
Propane	5.838	1.608	1.604
Isobutane	0.756	0.247	0.247
N-Butane	1.849	0.583	0.581
Isopentane	0.437	0.160	0.159
N-Pentane	0.475	0.172	0.172
Hexanes+	0.776	0.408	0.407
Total	100.000	6.122	6.107

CALCULATED PARAMETERS

TOTAL ANALYSIS SUMMARY

MOLE WT: 22.914
VAPOR PRESS PSIA: 3763.4
SPECIFIC GRAVITY
AIR = 1 (REAL): 0.7940
AIR = 1 (IDEAL): 0.7912
H₂O = 1 (IDEAL): 0.375

REPORTED BASIS: 14.73
Unnormalized Total: 101.328

HEATING VALUE

BTU/CUFT (DRY) 1262.7
BTU/CUFT (WET) 1241.3

BTEX SUMMARY

WT% BENZENE 10.335
WT% TOLUENE 3.372
WT% E BENZENE 0.220
WT% XYLENES 0.550

LAB MANAGER



www.permianls.com
575.397.3713 2609 W MARLAND HOBBS, NEW MEXICO 88240

Sample Name: Bootleg Ridge Compressor Station
Company: Targa

Data File: LS2_1025.D

*ANALYSIS OF HEXANES PLUS

Component	MOLE%	WT%
2,2 DIMETHYL BUTANE	0.002	0.008
CYCLOPENTANE	0.003	0.011
2-METHYLPENTANE	0.002	0.008
3-METHYLPENTANE	0.002	0.007
HEXANE (C6)	0.002	0.007
DIMETHYLPENTANES	0.015	0.065
METHYLCYCLOPENTANE	0.002	0.007
2,2,3 TRIMETHYLBUTANE	0.000	0.000
BENZENE	0.005	0.017
CYCLOHEXANE	0.003	0.010
2-METHYLHEXANE	0.000	0.000
3-METHYLHEXANE	0.022	0.096
DIMETHYCYCLOPENTANES	0.000	0.000
HEPTANE (C7)	0.001	0.003
METHYLCYCLOHEXANE	0.002	0.011
2,5 DIMETHYLHEXANE	0.003	0.013
TOLUENE	0.002	0.008
2-METHYLHEPTANE	0.000	0.000
OTHER OCTANES	0.100	0.486
OCTANE (C8)	0.001	0.007
ETHYLCYCLOHEXANE	0.004	0.017
ETHYL BENZENE	0.002	0.010
M,P-XYLENE	0.002	0.010
O-XYLENE	0.003	0.012
OTHER NONANES	0.369	2.040
NONANE (C-9)	0.002	0.013
IC3 BENZENE	0.004	0.020
CYCLOOCTANE	0.000	0.000
NC3 BENZENE	0.000	0.000
TM BENZENE(S)	0.016	0.091
IC4 BENZENE	0.002	0.013
NC4 BENZENE	0.000	0.000
DECANES + (C10+)	0.191	1.160

*HEXANES PLUS SUMMARY

AVG MOLE WT	124.459
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%	1.400
HEPTANES (C7) MOLE%	7.909
OCTANES (C8) MOLE%	14.072
NONANES (C9) MOLE%	48.840
DECANES+ (C10+) MOLE%	27.779
HEXANES (C6) WT%	0.943
HEPTANES (C7) WT%	6.253
OCTANES (C8) WT%	12.448
NONANES (C9) WT%	49.905
DECANES+ (C10+) WT%	30.451

Remarks: NR=NOT REPORTED ON FIELD TAG





We reviewed all data available for Leak NDL-AAH3 during that day and found that a PRV on the Sand Dune CDP valve was leaking by. The PRV estimation based on the operating pressures of the Sand Dune CDP valve is 5,000 scf per day then multiplied by 3.08 days from the date of the flyover to the date of repair, equaling to 15,390 scf.

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

DEFINITIONS

Action 430759

DEFINITIONS

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 430759
	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.

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 430759

QUESTIONS

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 430759
	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	[fAPP2123031392] 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	73
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	4
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.

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 2

Action 430759

QUESTIONS (continued)

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 430759
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	02/06/2025
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	01:00 PM
Cumulative hours during this event	13

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: 3 Mcf Recovered: 0 Mcf Lost: 3 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 pressure relief valve (PRV) on the Sand Dune CDP valve unexpectedly failed.
Steps taken to limit the duration and magnitude of vent or flare	Gas was vented until the valve was repaired on 02/08/25.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	On 02/08/25, the valve was repaired. Normal operations then resumed, and the emission event ended.

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

ACKNOWLEDGMENTS

Action 430759

ACKNOWLEDGMENTS

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 430759
	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.

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 430759

CONDITIONS

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 430759
	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.	2/11/2025