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575.397.3713 2609 W Marland Hobbs NM 88240

C6+ Gas Analysis Report

19339G

Sample Point Code

56014908

Sample Point Name

DEVON SONGBIRD HP DELIVERY

Sample Point Location

Laboratory Services

Source Laboratory

2024087719

Lab File No

011457

Container Identity

JUSTIN M - Spot

Sampler

USA

District

USA

Area Name

USA

Field Name

New Mexico

Facility Name

Mar 27, 2024 10:00

Date Sampled

Mar 1, 2024

Date Effective

Apr 1, 2024 15:18

Date Received

Apr 2, 2024

Date Reported

53.00

Ambient Temp (°F)

71,321.09

Flow Rate (Mcf)

Luis

Analyst

1211 @ 110

Press PSI @ Temp °F
Source Conditions

Targa Midstream

Operator

NG

Lab Source Description

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	1.1220	1.12248	
CO2 (CO2)	2.8750	2.87529	
Methane (C1)	72.3710	72.3697	
Ethane (C2)	11.0820	11.08225	2.9630
Propane (C3)	5.8900	5.89003	1.6220
I-Butane (IC4)	0.9260	0.92629	0.3030
N-Butane (NC4)	2.2590	2.25899	0.7120
I-Pentane (IC5)	0.6460	0.64613	0.2360
N-Pentane (NC5)	0.7620	0.76229	0.2760
Hexanes Plus (C6+)	2.0670	2.06656	0.8970
TOTAL	100.0000	100.0000	7.0090

Method(s): Gas C6+ - GPA 2261, Extended Gas - GPA 2286, Calculations - GPA 2172

Analyzer Information			
Device Type:	Gas Chromatograph	Device Make:	Shimadzu
Device Model:	GC-2014	Last Cal Date:	Feb 12, 2024

Gross Heating Values (Real, BTU/ft³)

14.696 PSI @ 60.00 Å°F

14.73 PSI @ 60.00 Å°F

Dry

Saturated

Dry

Saturated

1,346.2

1,324.2

1,349.3

1,327.3

Calculated Total Sample Properties

GPA2145-16 *Calculated at Contract Conditions

Relative Density Real

0.8294

Molecular Weight

23.9124

Relative Density Ideal

0.8258

C6+ Group Properties

Assumed Composition

C6 - 60.000%

C7 - 30.000%

C8 - 10.000%

Field H2S

2 PPM

PROTREND STATUS:

Passed By Validator on Apr 3, 2024

DATA SOURCE:

Imported

PASSED BY VALIDATOR REASON:

Close enough to be considered reasonable.

VALIDATOR:

Ashley Russell

VALIDATOR COMMENTS:

OK

**TARGA****NDL Blowdown/Vent Estimate**

All sections should be filled out by field personnel. **All red fields per event must be entered to calculate volumes correctly! All yellow fields should be entered if known for increased accuracy.**

Date of Occurance (m/d/yyyy)	4/4/2024	Reported By (First and Last Name)	Frankie Soto
Site (Select)	FIELD - HP PIPE BALANCE	If "FIELD" for Site, Pipe Name	Gutline 16" Section 2
		Lat	32.256555
		Long	-104.097353

*If site is not at a facility (inside the fence) then select the appropriate FIELD site and enter Pipe Name.

Calculated Volumes

Blowdown(s)				Purge/Vent			
Reference Meter Number		Blowdown (MCF)	322.22	Reference Meter Number		Volume Lost (MCF)	
Pipe ID (in)	16in Sch. 30	Length (Feet)	36,650.00	Beginning Date & Time		Vent Duration (Hours)	
Begin Press. (PSIG)	100.00	End Press. (PSIG)	0.00	Ending Date & Time		Gas Temp	
Gas Temp.		Specific Gravity		Pipe ID (in)		Specific Gravity	
Elevation (ft)				Orifice Size (in)		Elevation (ft)	
Beginning Date & Time	04/04/2024 1200	Ending Date & Time	04/04/2024 1400	Avg Pressure			
Reference Meter Number		Blowdown (MCF)		Reference Meter Number		Volume Lost (MCF)	
Pipe ID (in)		Length (Feet)		Beginning Date & Time		Vent Duration (Hours)	
Begin Press. (PSIG)		End Press. (PSIG)		Ending Date & Time		Gas Temp	
Gas Temp.		Specific Gravity		Pipe ID (in)		Specific Gravity	
Elevation (ft)				Orifice Size (in)		Elevation (ft)	
Beginning Date & Time		Ending Date & Time		Avg Pressure			
Reference Meter Number		Blowdown (MCF)		Reference Meter Number		Volume Lost (MCF)	
Pipe ID (in)		Length (Feet)		Beginning Date & Time		Vent Duration (Hours)	
Begin Press. (PSIG)		End Press. (PSIG)		Ending Date & Time		Gas Temp	
Gas Temp.		Specific Gravity		Pipe ID (in)		Specific Gravity	
Elevation (ft)				Orifice Size (in)		Elevation (ft)	
Beginning Date & Time		Ending Date & Time		Avg Pressure			

Was the purge mostly oxygen after process was open to atm?

No

*If "Yes" above, purge of the pipeline after tie-in was mostly O2, volumes here estimate the natural gas volume only.

Was the purge mostly oxygen after process was open to atm?

No

*If "Yes" above, purge of the pipeline after tie-in was mostly O2, volumes here estimate the natural gas volume only.

Was the purge mostly oxygen after process was open to atm?

No

*If "Yes" above, purge of the pipeline after tie-in was mostly O2, volumes here estimate the natural gas volume only.

Comments:

Blowdown of this Gutline section to prepare for MAOP work. At Trojan Receiver.

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District IV
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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 334666

DEFINITIONS

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 334666
	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 334666

QUESTIONS

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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 Well	Unavailable.
Incident Facility	[fAPP2123031392] TARGA NORTHERN DELAWARE, LLC.

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	No
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, 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 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	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	3
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 334666

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	04/04/2024
Time vent or flare was discovered or commenced	12:00 PM
Time vent or flare was terminated	02:00 PM
Cumulative hours during this event	2

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Normal Operations Pipeline (Any) Natural Gas Vented Released: 322 Mcf Recovered: 0 Mcf Lost: 322 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 the pipeline was depressurized to prepare for pipeline upgrade activities. Gas was vented until the line was depressurized to ensure the safety of personnel and equipment.
Steps taken to limit the duration and magnitude of vent or flare	Gas was vented until the line was depressurized and teh upgrade work could be performed.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	The pipeline upgrade was completed, the line checked for safety and the emission event ended.

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ACKNOWLEDGMENTS

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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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	Action Number: 334666
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CONDITIONS

Created By	Condition	Condition Date
amberg	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.	4/17/2024