



Certificate of Analysis

Number: 6030-23070109-018A

Artesia Laboratory

200 E Main St.

Artesia, NM 88210

Phone 575-746-3481

Ray Glidewell
Targa Resources
1 Mile North NM Hwy 248
Eunice, NM 88231

July 17, 2023

Station Name: Double ABJ Run 2 CRP

Station Number: 14850

Sample Point: Sales

Cylinder No: 9999-002350

Instrument: 6030_GC6 (Inficon GC-3000 Micro)

Last Inst. Cal.: 07/17/2023 0:00 AM

Analyzed: 07/17/2023 13:34:25 by EBH

Sampled By: Cody Mullins

Sample Of: Gas Spot

Sample Date: 07/06/2023 08:12

Sample Conditions: 98.27 psia, @ 96.34 °F Ambient: 82 °F

Effective Date: 07/06/2023 08:12

PO/Ref. No: TAR303273

Method: GPA-2261M

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0000	0.0000	0.0000		GPM TOTAL C2+ 7.935
Nitrogen	1.0712	1.0529	1.2557		GPM TOTAL C3+ 4.113
Methane	71.7002	70.4756	48.1343		GPM TOTAL iC5+ 0.896
Carbon Dioxide	0.9275	0.9117	1.7082		
Ethane	14.4774	14.2302	18.2169	3.822	
Propane	7.8053	7.6720	14.4028	2.123	
Iso-butane	0.9841	0.9673	2.3936	0.318	
n-Butane	2.4926	2.4500	6.0625	0.776	
Iso-pentane	0.5727	0.5629	1.7290	0.207	
n-Pentane	0.6336	0.6228	1.9130	0.227	
Hexanes Plus	1.0729	1.0546	4.1840	0.462	
	101.7375	100.0000	100.0000	7.935	

Calculated Physical Properties

Relative Density Real Gas

Total

0.8144

C6+

3.2176

Calculated Molecular Weight

23.49

93.19

Compressibility Factor

0.9954

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

Real Gas Dry BTU

1379

5141

Water Sat. Gas Base BTU

1356

5052

Ideal, Gross HV - Dry at 14.73 psia

1372.8

5141.1

Ideal, Gross HV - Wet

1348.9

5051.6

Hydrocarbon Laboratory Manager

Quality Assurance:

The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.



Monthly Vent / Blowdown Gas Report

LUC-XX-XX-XXX-XXX
VERSION 2.1: APRIL 6 2022

Please submit this form by the 5th business day of the month following the month the vent/blowdown occurred. Please submit a separate form for each site. 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.**

Balance/Lateral	FRAC CAT BALANCE VENT BD	Event Month	August
CS/Plant		Event Day	15
Employee Name	Aaron Smith	Event Year	2023

Calculated (Pipeline) Volumes							
Blowdown(s)				Purge/Vent			
Reference Meter Number		Blowdown (MCF)		Reference Meter Number		Volume Lost (MCF)	509.89
Pipe ID (in)		Length (Feet)		Beginning Date & Time	08/15/2023 0830	Vent Duration (Hours)	0.67
Begin Press. (PSIG)		End Press. (PSIG)		Ending Date & Time	08/15/2023 0910	Gas Temp	
Gas Temp.		Specific Gravity		Pipe ID (in)	16in Sch. 30	Specific Gravity	
Elevation (ft)				Orifice Size (in)	4	Elevation (ft)	
				Avg Pressure	40.00		
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)	
				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)	
				Avg Pressure			

Known (Station) Volumes					
Volumes must be known to calculate correctly!					
Type of Blowdown	Number of Occurrences		Known Volume (MCF) Blowdown		Volume (MCF)
		Multiplied by		Equals	
		Multiplied by		Equals	
		Multiplied by		Equals	

Total Volume (MCF): 509.89

Comments:

16" Gin & Tectonics block valve to purge back towards Gin & Tectonics. The purge lasted for 40 minutes through a 4" orifice. Once complete

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District IV
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

DEFINITIONS

Action 258821

DEFINITIONS

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 258821
	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 258821

QUESTIONS

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 258821
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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	[331548] Targa Northern Delaware, LLC.
Incident Type	Flare
Incident Status	Closure Not Approved
Incident Well	Unavailable.
Incident Facility	[APP2123031392] TARGA NORTHERN DELAWARE, LLC.

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	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, 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 within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved

Primary Equipment Involved	Pipeline (Any)
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	70
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	1
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 258821

QUESTIONS (continued)

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	Action Number: 258821
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	08/15/2023
Time vent or flare was discovered or commenced	08:30 AM
Time vent or flare was terminated	09:10 AM
Cumulative hours during this event	1

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Commissioning to Purge Pipeline (Any) Natural Gas Vented Released: 510 Mcf Recovered: 0 Mcf Lost: 510 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Other (Specify) Released: 0 (Unknown Released Amount) Recovered: 0 Lost: 0
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 to atmosphere to purge the pipeline of oxygen. It was necessary to purge the line of oxygen to put the section of pipeline into service.
Steps taken to limit the duration and magnitude of vent or flare	Gas was vented until the section of pipeline was purged of oxygen. Once the oxygen was purged from the pipeline, the emission event ended.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	The section of pipeline was purged and the emission event ended. Once the emission event ended, the line was put in service.

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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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	Action Number: 258821
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CONDITIONS

Created By	Condition	Condition Date
jfuentes	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.	8/30/2023