



Certificate of Analysis

Number: 6030-23080049-016A

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

Aug. 07, 2023

Station Name: Rattlesnake Discharge
Station Number: 99067
Cylinder No: 9999-002201
Instrument: 6030_GC6 (Inficon GC-3000 Micro)
Last Inst. Cal.: 07/31/2023 0:00 AM
Analyzed: 08/07/2023 10:32:43 by EBH

Sampled By: Marcelo Campos
Sample Of: Gas Spot
Sample Date: 07/27/2023 11:22
Sample Conditions: 1157.71 psia, @ 123.77 °F Ambient: 83 °F
Effective Date: 07/27/2023 11:22
PO/Ref. No: TAR303273
Method: GPA-2261M

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0000	0.0010	0.0015		GPM TOTAL C2+ 4.899
Nitrogen	1.0210	1.0019	1.2650		GPM TOTAL C3+ 2.513
Methane	77.1421	75.7005	54.7361		GPM TOTAL iC5+ 0.450
Carbon Dioxide	6.2852	6.1678	12.2343		
Ethane	9.0608	8.8915	12.0503	2.386	
Propane	4.7603	4.6713	9.2840	1.291	
Iso-butane	0.8555	0.8395	2.1992	0.276	
n-Butane	1.5968	1.5670	4.1050	0.496	
Iso-pentane	0.4400	0.4318	1.4042	0.158	
n-Pentane	0.3611	0.3544	1.1525	0.129	
Hexanes Plus	0.3804	0.3733	1.5679	0.163	
	101.9032	100.0000	100.0000	4.899	

Calculated Physical Properties

	Total	C6+
Relative Density Real Gas	0.7685	3.2176
Calculated Molecular Weight	22.19	93.19
Compressibility Factor	0.9964	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1175	5141
Water Sat. Gas Base BTU	1155	5052
Ideal, Gross HV - Dry at 14.73 psia	1171.2	5141.1
Ideal, Gross HV - Wet	1150.8	5051.6

Comments: H2S Field Content 10 ppm

Hydrocarbon Laboratory Manager

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



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.**

Month Blowdown Occurred

November

Year

2023

Site

Red Hills

Employee Name

Willie Pierce

Calculated (Pipeline) Volumes

Blowdown(s)				Purge/Vent			
Reference Meter Number		Blowdown (MCF)	4,233.42	Reference Meter Number		Volume Lost (MCF)	
Pipe ID (in)	10in Sch. 80	Length (Feet)	109,368.00	Beginning Date & Time		Vent Duration (Hours)	
Begin Press. (PSIG)	942.00	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)	
				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			
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	
		Multiplied by	
		Multiplied by	

Total Volume (MCF):

4,233.42

Comments:

own the Winkler Extension line from Wild hog block valve to the AGI reciever for two tie ins, 1 for Maestro disch- the second for the Blue

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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
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 286405

DEFINITIONS

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 286405
	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 286405

QUESTIONS

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 286405
	Action Type: [C-129] Venting and/or Flaring (C-129)

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	Yes
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	77
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	6
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 286405

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	11/14/2023
Time vent or flare was discovered or commenced	10:00 AM
Time vent or flare was terminated	06:30 PM
Cumulative hours during this event	9

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: 4,233 Mcf Recovered: 0 Mcf Lost: 4,233 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 to depressurize the pipeline to allow for the tie in of a new line. Blowdown and purging is done for the safety of personnel during tie in activities.
Steps taken to limit the duration and magnitude of vent or flare	Gas was vented until the line was depressurized. The line was depressurized, tie in was performed and the emission event ended. This was done as expeditiously as possible.
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 back into service.

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ACKNOWLEDGMENTS

Action 286405

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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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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.	11/16/2023