Certificate of Analysis

Number: 6030-22100036-001A

Artesia Laboratory
200 E Main St.
Artesia, NM 88210
Phone 575-746-3481

Oct. 04, 2022

Station Name:	Greyhound Discharge	Sampled By:	Cesar Ramirez
Station Number:	95769	Sample Of:	Gas Spot
Station Location:	Lucid	Sample Date:	10/04/2022 07:36
Sample Point:	Downstream	Sample Conditions:	1193 psia, @ 102.41 °F
Type of Sample:	Spot-Cylinder	Effective Date:	10/04/2022 07:36
Heat Trace Used:	N/A	PO/Ref. No:	TAR257398
Sampling Method:	Fill and Purge	Method:	GPA 2286
Sampling Company:	Lucid	Cylinder No:	5030-03572
Analyzed:	10/04/2022 13:18:07 by EBH	Instrument:	6030_GC2 (Agilent GC-7890B)
		Last Inst. Cal.:	09/12/2022 12:00 PM

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.000	0.00000	0.000		GPM TOTAL C2+	6.373
Nitrogen	1.897	1.92900	2.391		GPM TOTAL C3+	3.327
Methane	72.860	74.09800	52.605		GPM TOTAL iC5+	0.802
Carbon Dioxide	1.813	1.84400	3.591			
Ethane	11.156	11.34600	15.097	3.046		
Propane	5.843	5.94200	11.595	1.643		
Iso-butane	0.789	0.80200	2.063	0.264		
n-Butane	1.920	1.95300	5.023	0.618		
Iso-pentane	0.497	0.50500	1.612	0.185		
n-Pentane	0.516	0.52500	1.676	0.191		
Hexanes Plus	1.038	1.05600	4.347	0.426		
	98.329	100.00000	100.000	6.373		

Calculated Physical Properties	**Total**	**C6+**
Relative Density Real Gas	0.7831	3.2141
Calculated Molecular Weight	22.60	93.09
Compressibility Factor	0.9960	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1290.300	4974.292
Water Sat. Gas Base BTU	1267.80	4887.72
Ideal, Gross HV - Dry at 14.73 psia	1285.10	4974.29
Ideal, Gross HV - Wet	1262.70	0.00
As Delivered BTU	0.000	4974.292

Comments: H2S Field Content 0 ppm

Hydrocarbon Laboratory Manager

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

Certificate of Analysis

Number: 6030-22100036-001A

Artesia Laboratory
200 E Main St.
Artesia, NM 88210
Phone 575-746-3481

Oct. 04, 2022

Station Name:	Greyhound Discharge	Sampled By:	Cesar Ramirez
Station Number:	95769	Sample Of:	Gas Spot
Station Location:	Lucid	Sample Date:	10/04/2022 07:36
Sample Point:	Downstream	Sample Conditions:	1193 psia, @ 102.41 °F
Type of Sample:	Spot-Cylinder	PO/Ref. No:	TAR257398
Heat Trace Used:	N/A	Method:	GPA 2286
Sampling Method:	Fill and Purge	Cylinder No:	5030-03572
Sampling Company:	Lucid	Analyzed:	10/04/2022 13:17:13 by EBH

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia
Hydrogen Sulfide	0.000	0.000	
Nitrogen	1.929	2.391	
Methane	74.098	52.605	
Carbon Dioxide	1.844	3.591	
Ethane	11.346	15.097	3.046
Propane	5.942	11.595	1.643
Iso-Butane	0.802	2.063	0.264
n-Butane	1.953	5.023	0.618
Iso-Pentane	0.505	1.612	0.185
n-Pentane	0.525	1.676	0.191
i-Hexanes	0.237	0.882	0.095
n-Hexane	0.129	0.503	0.055
Benzene	0.084	0.288	0.023
Cyclohexane	0.102	0.384	0.035
i-Heptanes	0.176	0.721	0.071
n-Heptane	0.041	0.181	0.019
Toluene	0.068	0.277	0.023
i-Octanes	0.124	0.567	0.054
n-Octane	0.011	0.056	0.006
Ethylbenzene	0.008	0.035	0.003
Xylenes	0.016	0.075	0.006
i-Nonanes	0.024	0.128	0.012
n-Nonane	0.005	0.030	0.003
Decanes Plus	0.031	0.220	0.021
	100.000	100.000	6.373

Calculated Physical Properties	**Total**	**C10+**
Calculated Molecular Weight	22.60	164.71
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1290.3	8936.6
Water Sat. Gas Base BTU	1267.8	8745.9
Relative Density Real Gas	0.7831	5.6870
Compressibility Factor	0.9960	
Ideal, Gross HV - Wet	1262.7	
Ideal, Gross HV - Dry at 14.73 psia	1285.1	
Net BTU Dry Gas - real gas	1172	
Net BTU Wet Gas - real gas	1152	

Comments: H2S Field Content 0 ppm

Hydrocarbon Laboratory Manager

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

LUCID

Monthly Vent / Blowdown Gas Report

LUC-XX-XX-XXX-XXX
VERSION 0.1: 22 February 2021

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	*February*	**Year**	*2023*
Site	*SCE - Greyhound*	**Employee Name**	*Kain Fierro/Kade Lucero*

Calculated (Pipeline) Volumes

Blowdown(s)

Reference Meter Number		Blowdown (MCF)	110.72
Pipe ID (in)	*12in Sch. 80*	Length (Feet)	*32,525.20*
Begin Press. (PSIG)	*70.00*	End Press. (PSIG)	*0.00*
Gas Temp.		Specific Gravity	
Elevation (ft)			

Reference Meter Number		Blowdown (MCF)	
Pipe ID (in)		Length (Feet)	
Begin Press. (PSIG)		End Press. (PSIG)	
Gas Temp.		Specific Gravity	
Elevation (ft)			

Reference Meter Number		Blowdown (MCF)	
Pipe ID (in)		Length (Feet)	
Begin Press. (PSIG)		End Press. (PSIG)	
Gas Temp.		Specific Gravity	
Elevation (ft)			

Purge/Vent

Reference Meter Number		Volume Lost (MCF)	243.07
Beginning Date & Time	*02/21/2023 1300*	Vent Duration (Hours)	0.67
Ending Date & Time	*02/21/2023 1340*	Gas Temp	
Pipe ID (in)	*12in Sch. 80*	Specific Gravity	
Orifice Size (in)	3.5	Elevation (ft)	
Avg Pressure	*20.00*		

Reference Meter Number		Volume Lost (MCF)	
Beginning Date & Time		Vent Duration (Hours)	
Ending Date & Time		Gas Temp	
Pipe ID (in)		Specific Gravity	
Orifice Size (in)		Elevation (ft)	
Avg Pressure			

Reference Meter Number		Volume Lost (MCF)	
Beginning Date & Time		Vent Duration (Hours)	
Ending Date & Time		Gas Temp	
Pipe ID (in)		Specific Gravity	
Orifice Size (in)		Elevation (ft)	
Avg Pressure			

Known (Station) Volumes

Volumes must be known to calculate correctly!

Type of Blowdown	Number of Occurances		Known Volume (MCF) Blowdown		Volume (MCF)
		Multiplied by		Equals	
		Multiplied by		Equals	
		Multiplied by		Equals	

Total Volume (MCF): 353.79

Comments:

LOTO and blew down and purged the Gaucho 12'' South Lateral for the Rio Blanco 4-33 CTB tie in.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
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

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 194954
	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.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
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

QUESTIONS

Action 194954

QUESTIONS

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 194954
	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 addional 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	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	74
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	2
Oxygen (02) 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 (02) percentage quality requirement	*Not answered.*

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
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

QUESTIONS (continued)

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 194954
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	02/21/2023
Time vent or flare was discovered or commenced	01:00 PM
Time vent or flare was terminated	01:40 PM
Cumulative hours during this event	1

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Other | Pipeline (Any) | Natural Gas Vented | Released: 354 Mcf | Recovered: 0 Mcf | Lost: 354 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 pipeline was depressurized to prepare for a pipeline tie in project and then purged to be put back into service.
Steps taken to limit the duration and magnitude of vent or flare	Gas was vented until the section of the pipeline could be depressurized for the pipeline tie in project.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	The pipeline segment was depressurized, work was completed, and the line was purged to be put back into service. The emission event ended.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
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

ACKNOWLEDGMENTS

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 194954
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit a *Venting and/or Flaring* (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.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
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

CONDITIONS

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 194954
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
jfuentes	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.	3/8/2023