



## Certificate of Analysis

Number: 6030-23040298-007A

Artesia Laboratory

200 E Main St.  
Artesia, NM 88210  
Phone 575-746-3481Ray Glidewell  
Targa Resources  
1 Mile North NM Hwy 248  
Eunice, NM 88231

May 01, 2023

Station Name: Rattlesnake Discharge  
Station Number: 99067  
Cylinder No: 9999-002438  
Instrument: 70104251 (Inficon GC-MicroFusion)  
Last Inst. Cal.: 05/01/2023 0:00 AM  
Analyzed: 05/01/2023 15:15:19 by EBHSampled By: Marcelo Campos  
Sample Of: Gas Spot  
Sample Date: 04/18/2023 20:56  
Sample Conditions: 1112.4 psia, @ 119.9 °F  
Effective Date: 04/18/2023 20:56  
PO/Ref. No: TAR271547  
Method: GPA-2261M

## Analytical Data

| Components       | Un-normalized<br>Mol % | Mol. %    | Wt. %   | GPM at<br>14.73 psia |                |       |
|------------------|------------------------|-----------|---------|----------------------|----------------|-------|
| Hydrogen Sulfide | 0.000                  | 0.00000   | 0.000   |                      | GPM TOTAL C2+  | 7.152 |
| Nitrogen         | 1.121                  | 1.12432   | 1.350   |                      | GPM TOTAL C3+  | 3.799 |
| Methane          | 70.926                 | 71.16758  | 48.939  |                      | GPM TOTAL iC5+ | 0.724 |
| Carbon Dioxide   | 2.780                  | 2.78948   | 5.262   |                      |                |       |
| Ethane           | 12.445                 | 12.48706  | 16.094  | 3.353                |                |       |
| Propane          | 7.267                  | 7.29159   | 13.782  | 2.017                |                |       |
| Iso-butane       | 0.919                  | 0.92193   | 2.297   | 0.303                |                |       |
| n-Butane         | 2.377                  | 2.38521   | 5.942   | 0.755                |                |       |
| Iso-pentane      | 0.536                  | 0.53753   | 1.662   | 0.197                |                |       |
| n-Pentane        | 0.555                  | 0.55669   | 1.722   | 0.203                |                |       |
| Hexanes Plus     | 0.736                  | 0.73861   | 2.950   | 0.324                |                |       |
|                  | 99.662                 | 100.00000 | 100.000 | 7.152                |                |       |

## Calculated Physical Properties

|                             | Total  | C6+    |
|-----------------------------|--------|--------|
| Relative Density Real Gas   | 0.8087 | 3.2176 |
| Calculated Molecular Weight | 23.33  | 93.19  |
| Compressibility Factor      | 0.9957 |        |

## GPA 2172 Calculation:

Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia & 60°F

|                                     |        |        |
|-------------------------------------|--------|--------|
| Real Gas Dry BTU                    | 1322   | 5141   |
| Water Sat. Gas Base BTU             | 1299   | 5052   |
| Ideal, Gross HV - Dry at 14.73 psia | 1315.8 | 5141.1 |
| Ideal, Gross HV - Wet               | 1292.9 | 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 0.1: 22 February 2021

Please submit this form by the 5<sup>th</sup> 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 July Year 2023  
Site SCE - Seawolf Employee Name Willie Pierce

## Calculated (Pipeline) Volumes

| Blowdown(s)            |                     |                   |                  | Purge/Vent             |                        |                       |               |
|------------------------|---------------------|-------------------|------------------|------------------------|------------------------|-----------------------|---------------|
| Reference Meter Number |                     | Blowdown (MCF)    | <u>61.68</u>     | Reference Meter Number |                        | Volume Lost (MCF)     | <u>158.36</u> |
| Pipe ID (in)           | <u>12in Sch. 80</u> | Length (Feet)     | <u>12,000.00</u> | Beginning Date & Time  | <u>07/13/2023 1945</u> | Vent Duration (Hours) | <u>0.33</u>   |
| Begin Press. (PSIG)    | <u>105.00</u>       | End Press. (PSIG) | <u>0.00</u>      | Ending Date & Time     | <u>07/13/2023 2005</u> | Gas Temp              |               |
| Gas Temp.              |                     | Specific Gravity  |                  | Pipe ID (in)           | <u>12in Sch. 80</u>    | Specific Gravity      |               |
| Elevation (ft)         |                     |                   |                  | Orifice Size (in)      | <u>3.5</u>             | Elevation (ft)        |               |
|                        |                     |                   |                  | Avg Pressure           | <u>30.00</u>           |                       |               |
| 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): 220.05

## Comments:

Blew down and purged a portion of the Greyhound discharge line for a tie in.

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**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 245509

DEFINITIONS

|                                                                                                |                                                        |
|------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>Targa Northern Delaware, LLC.<br>110 W. 7th Street, Suite 2300<br>Tulsa, OK 74119 | OGRID:<br>331548                                       |
|                                                                                                | Action Number:<br>245509                               |
|                                                                                                | Action Type:<br>[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: <ul style="list-style-type: none"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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QUESTIONS

Action 245509

**QUESTIONS**

|                                                                                                |                                                        |
|------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>Targa Northern Delaware, LLC.<br>110 W. 7th Street, Suite 2300<br>Tulsa, OK 74119 | OGRID:<br>331548                                       |
|                                                                                                | Action Number:<br>245509                               |
|                                                                                                | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

**QUESTIONS**

|                                                                                                                                                                                                   |                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| <b>Prerequisites</b><br><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. |

|                                                                                                                                                                                                                                                                                            |                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| <b>Determination of Reporting Requirements</b><br><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                                                                                                                                                                                                                               | 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. |
| <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                                                                                                                                                                                                            | Yes                                               |
| Did this vent or flare result in the release of <b>ANY</b> 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                                                |

|                                                           |                |
|-----------------------------------------------------------|----------------|
| <b>Equipment Involved</b>                                 |                |
| Primary Equipment Involved                                | Pipeline (Any) |
| Additional details for Equipment Involved. Please specify | Not answered.  |

|                                                                                                                                                                    |               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>Representative Compositional Analysis of Vented or Flared Natural Gas</b><br><i>Please provide the mole percent for the percentage questions in this group.</i> |               |
| Methane (CH4) percentage                                                                                                                                           | 71            |
| 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                                                                                                       | 3             |
| 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. |

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QUESTIONS, Page 2

Action 245509

**QUESTIONS (continued)**

|                                                                                                |                                                        |
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|                                                                                                | Action Number:<br>245509                               |
|                                                                                                | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

**QUESTIONS**

| Date(s) and Time(s)                            |            |
|------------------------------------------------|------------|
| Date vent or flare was discovered or commenced | 07/13/2023 |
| Time vent or flare was discovered or commenced | 07:45 PM   |
| Time vent or flare was terminated              | 08:05 PM   |
| Cumulative hours during this event             | 0          |

| 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: 220 Mcf   Recovered: 0 Mcf   Lost: 220 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, the line was purged of oxygen, and the emission event ended. This was done as timely as possible to reduce duration of the emission event. |
| 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 245509

**ACKNOWLEDGMENTS**

|                                                                                                |                                                        |
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|                                                                                                | Action Number:<br>245509                               |
|                                                                                                | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

**ACKNOWLEDGMENTS**

|                                     |                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | 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 <b>complete</b> C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.                                                                                      |
| <input checked="" type="checkbox"/> | 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. |
| <input checked="" type="checkbox"/> | 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.                                                                                                        |
| <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

Action 245509

CONDITIONS

|                                                                                                |                                                        |
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|                                                                                                | Action Number:<br>245509                               |
|                                                                                                | Action Type:<br>[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. | 7/28/2023      |