# Certificate of Analysis

Number: 6030-26050061-002A

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

Paul Martinez
Earthstone
801 Cherry St, Suite 1200
Fort Worth, TX 76102

| | | | |
|---|---|---|---|
| Station Name: | EILEEN 25 FED COM 112H -- METER RUN | Report Date: | 05/01/2026 |
| Station Number: | N/A | Sampled By: | Francisco Romero |
| Sample Point: | METER RUN | Sample Of: | Gas |
| Type of Sample: | Spot-Cylinder | Sample Type: | Spot |
| Heat Trace Used: | N/A | Sample Conditions: | 120 psig, @ 102 °F Ambient: 55 °F |
| Sampling Method: | Fill and Purge | Sample Date: | 04/30/2026 05:00 |
| Sampling Company: | SPL | Received Date: | 05/01/2026 |
| Method: | GPA-2261M | Login Date: | 05/01/2026 |
| Cylinder No: | 1111-005436 | Effective Date: | 05/01/2026 |
| Instrument: | 70142339 (Inficon GC-MicroFusion) | Flow Rate: | |
| Last Inst. Cal.: | 04/27/2026 07:42:03 | Sampling Method: | Purge/Fill |
| Analyzed: | 05/01/2026 10:41:05 by CDW | Heating Method: | N/A |

## Analytical Data

| Components | Un-normalized Mol % | Mol. % | Wt. % | GPM at 14.73 psia | | |
|---|---|---|---|---|---|---|
| Hydrogen Sulfide | 0.000 | 0.400 | 0.515 | | GPM TOTAL C2+ | 7.511 |
| Nitrogen | 2.955 | 2.907 | 3.074 | | GPM TOTAL C3+ | 4.140 |
| Methane | 60.350 | 59.380 | 35.965 | | GPM TOTAL iC5+ | 0.929 |
| Carbon Dioxide | 11.513 | 11.328 | 18.821 | | | |
| Ethane | 12.752 | 12.547 | 14.243 | 3.371 | | |
| Propane | 7.811 | 7.685 | 12.793 | 2.127 | | |
| Iso-butane | 0.931 | 0.916 | 2.010 | 0.301 | | |
| n-Butane | 2.513 | 2.473 | 5.426 | 0.783 | | |
| Iso-pentane | 0.718 | 0.706 | 1.923 | 0.259 | | |
| n-Pentane | 0.771 | 0.759 | 2.067 | 0.276 | | |
| Hexanes Plus | 0.914 | 0.899 | 3.163 | 0.394 | | |
| | 101.228 | 100.000 | 100.000 | 7.511 | | |

| **Calculated Physical Properties** | **Total** | **C6+** |
|---|---|---|
| Relative Density Real Gas | 0.9187 | 3.2176 |
| Calculated Molecular Weight | 26.49 | 93.19 |
| Compressibility Factor | 0.9951 | |
| **GPA 2172 Calculation:** | | |
| **Calculated Gross BTU per ft³ @ 14.73 psia & 60°F** | | |
| Real Gas Dry BTU | 1242 | 5141 |
| Water Sat. Gas Base BTU | 1221 | 5052 |

**Comments:** H2S Field Content: 0.4 %

Mostaq Ahammad, Petroleum Chemist

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.

PERMIAN RESOURCES

Permian Resources meters all flared volumes, and volumes reported on C-129's in connection with flaring events are based on the available meter readings. While Permian Resources reports metered volumes on C-129 submissions, PR reviews the metered data for accuracy, reconciles any discovered discrepancies, and, where appropriate, submits amended C-129 reported volumes post-reconciliation to ensure accurate reporting.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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



## DEFINITIONS

| | |
|---|---|
| Operator:<br>Permian Resources Operating, LLC<br>300 N. Marienfeld St Ste 1000<br>Midland, TX 79701 | OGRID:<br>372165 |
| | Action Number:<br>582775 |
| | Action Type:<br>[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:

- 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 582775

## QUESTIONS

| | |
|---|---|
| Operator: Permian Resources Operating, LLC<br>300 N. Marienfeld St Ste 1000<br>Midland, TX 79701 | OGRID: 372165 |
| | Action Number: 582775 |
| | 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 ID (n#) | *Unavailable.* |
| Incident Name | *Unavailable.* |
| Incident Type | **Flare** |
| Incident Status | *Unavailable.* |
| Incident Facility | **[fAPP2607174552] Eileen 25 CTB 1** |

*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 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, 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 | 60 |
| Nitrogen (N2) percentage, if greater than one percent | 3 |
| Hydrogen Sulfide (H2S) PPM, rounded up | 0 |
| Carbon Dioxide (C02) percentage, if greater than one percent | 12 |
| 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.* |

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## QUESTIONS (continued)

| | |
|---|---|
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| | Action Number:<br>582775 |
| | Action Type:<br>[C-129] Amend Venting and/or Flaring (C-129A) |

**QUESTIONS**

| **Date(s) and Time(s)** | |
|---|---|
| Date vent or flare was discovered or commenced | 04/24/2026 |
| Time vent or flare was discovered or commenced | 06:00 AM |
| Time vent or flare was terminated | 01:00 PM |
| Cumulative hours during this event | 7 |

| **Measured or Estimated Volume of Vented or Flared Natural Gas** | |
|---|---|
| Natural Gas Vented (Mcf) Details | *Not answered.* |
| Natural Gas Flared (Mcf) Details | Cause: High Line Pressure \| Separator \| Natural Gas Flared \| Released: 540 Mcf \| Recovered: 0 Mcf \| Lost: 540 Mcf. |
| 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 | |
| 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 | Targa station downtime |
| Steps taken to limit the duration and magnitude of vent or flare | Open valves to divert gas to a second midstream company to relieve pressure off the line |
| Corrective actions taken to eliminate the cause and reoccurrence of vent or flare | Clear consistent communication with midstream provider |

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## ACKNOWLEDGMENTS

| | |
|---|---|
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| | Action Number:<br>582775 |
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**ACKNOWLEDGMENTS**

| | |
|---|---|
| ☑ | 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. |
| ☑ | 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. |
| ☑ | 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. |
| ☑ | 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

Action 582775

## CONDITIONS

| | |
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**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| jdoolingpr | 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. | 5/7/2026 |