# Monthly Meter Analysis

**May, 2021**

Meter #: 14160956
Name: VACA 24 FED COM CTB HP FL

**Sample**

| | | | |
|---|---|---|---|
| Date: | 04/29/2021 | | |
| Type: | Spot | | |
| Pressure: | 103.0 | H2O: | lbs/mm |
| Temperature: | 76.0 | H2S: | 0 ppm |

| Component | Mole % | Ideal Liq. Content @ 14.696 | Mass % |
|---|---|---|---|
| Carbon Dioxide, CO2 | 0.5279 | | 1.0304 |
| Nitrogen, N2 | 1.4551 | | 1.8079 |
| Methane, C1 | 71.6202 | | 50.9602 |
| Ethane, C2 | 14.0218 | 3.7403 | 18.7001 |
| Propane, C3 | 7.6120 | 2.0917 | 14.8873 |
| Isobutane, iC4 | 0.8329 | 0.2719 | 2.1471 |
| n-Butane, nC4 | 2.1529 | 0.6770 | 5.5499 |
| Isopentane, iC5 | 0.3843 | 0.1402 | 1.2298 |
| n-Pentane, nC5 | 0.4346 | 0.1571 | 1.3907 |
| Hexanes Plus, C6+ | 0.5064 | 0.2077 | 1.9355 |
| Water, H2O | 0.4519 | | 0.3611 |
| Hydrogen Sulfide, H2S | 0.0000 | | 0.0000 |
| Oxygen, O2 | 0.0000 | | 0.0000 |
| Carbon Monoxide, CO | | | |
| Hydrogen, H2 | 0.0000 | | 0.0000 |
| Helium, He | 0.0000 | | 0.0000 |
| Argon, Ar | | | |
| Totals | 100.0000 | 7.2859 | 100.0000 |

| Property | Total Sample |
|---|---|
| Pressure Base | 14.730 |
| Temperature Base | 0.00 |
| Relative Density | 0.7828 |
| HV, Dry @ Base P,T | 1333.74 |
| HV, Sat @ Base P, T | 1311.09 |
| HV, Sat @ Sample P, T | |
| Fws Factor | |
| Cricondentherm | |
| HCDP @ Sample Pressure | |
| Free Water GPM | |
| Stock Tank Condensate Brls/mm | |
| 26 # RVP Gasoline | 0.251 |
| Testcar Permian | 0.735 |
| Testcar Panhandle | 0.733 |
| Testcar Midcon | 0.633 |

*** End of Report ***

# HOURLY GAS VOLUME STATEMENT

**EOG Resources, Inc.**

**May 27, 2021**

Meter #: 14160956
Name: VACA 24 FED COM CTB HP FL

| | | |
|---|---|---|
| **Pressure Base:** | **Meter Status:** | |
| **Temperature Base:** | **Contract Hr.:** | 9 AM |
| **Atmos Pressure:** | **Full Wellstream:** | |
| **Calc Method:** | **WV Technique:** | |
| **Z Method:** | **WV Method:** | |
| | **HV Cond:** | Wet |
| **Tap Location:** | **Meter Type:** | EFM |
| **Tap Type:** | **Interval:** | 1 Hour |

| CO2 | N2 | C1 | C2 | C3 | I-C4 | N-C4 | I-C5 |
|---|---|---|---|---|---|---|---|
| 0.528 | 1.455 | 71.620 | 14.022 | 7.612 | 0.833 | 2.153 | 0.384 |

| N-C5 | NeoC5 | C6 | C7 | C8 | C9 | C10 |
|---|---|---|---|---|---|---|
| 0.435 | | 0.506 | | | | |

| O2 | H2 | CO | He | Ar | H2S | H2S ppm | H2O |
|---|---|---|---|---|---|---|---|
| 0.000 | 0.000 | | 0.000 | | 0.0000 | 0.400 | 0.452 |

| Hour | Differential (In. H2O) | Pressure (psi) | Temp. (°F) | Flow Time (hrs) | Relative Density | Plate (inches) | Volume (Mcf) | Heating Value () | Energy (MMBtu) | Edited |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.00 | 29.81 | 71.03 | 0.00 | 0.7828 | 4.5000 | 0.00 | 1311.09 | 0.00 | Yes |
| 1 | 0.00 | 14.38 | 70.12 | 0.00 | 0.7828 | 4.5000 | 0.00 | 1311.09 | 0.00 | Yes |
| 2 | 0.00 | 13.18 | 69.02 | 0.00 | 0.7828 | 4.5000 | 0.00 | 1311.09 | 0.00 | Yes |
| 3 | 0.00 | 41.43 | 68.34 | 0.00 | 0.7828 | 4.5000 | 0.00 | 1311.09 | 0.00 | Yes |
| 4 | 0.00 | 83.56 | 63.32 | 0.00 | 0.7828 | 4.5000 | 0.00 | 1311.09 | 0.00 | Yes |
| 5 | 0.00 | 84.47 | 61.42 | 0.00 | 0.7828 | 4.5000 | 0.00 | 1311.09 | 0.00 | Yes |
| 6 | 0.00 | 87.60 | 61.64 | 0.00 | 0.7828 | 4.5000 | 0.00 | 1311.09 | 0.00 | Yes |
| 7 | 0.00 | 87.33 | 69.68 | 0.00 | 0.7828 | 4.5000 | 0.00 | 1311.09 | 0.00 | Yes |
| 8 | 22.85 | 27.88 | 86.75 | 0.49 | 0.7828 | 4.5000 | 57.22 | 1311.09 | 75.02 | Yes |
| 9 | 18.89 | 26.86 | 97.47 | 0.13 | 0.7828 | 4.5000 | 13.51 | 1311.09 | 17.71 | Yes |
| 10 | 14.39 | 21.90 | 95.49 | 0.01 | 0.7828 | 4.5000 | 0.57 | 1311.09 | 0.75 | Yes |
| 11 | 15.77 | 28.83 | 101.50 | 0.04 | 0.7828 | 4.5000 | 3.51 | 1311.09 | 4.60 | Yes |
| 12 | 22.65 | 27.38 | 106.99 | 0.07 | 0.7828 | 4.5000 | 7.37 | 1311.09 | 9.67 | Yes |
| 13 | 35.27 | 38.93 | 102.33 | 0.04 | 0.7828 | 4.5000 | 5.88 | 1311.09 | 7.71 | Yes |
| 14 | 0.00 | 109.32 | 105.47 | 0.00 | 0.7828 | 4.5000 | 0.00 | 1311.09 | 0.00 | Yes |
| 15 | 0.00 | 124.59 | 107.16 | 0.00 | 0.7828 | 4.5000 | 0.00 | 1311.09 | 0.00 | Yes |
| 16 | 0.00 | 109.54 | 102.63 | 0.00 | 0.7828 | 4.5000 | 0.00 | 1311.09 | 0.00 | Yes |
| 17 | 0.00 | 100.91 | 92.27 | 0.00 | 0.7828 | 4.5000 | 0.00 | 1311.09 | 0.00 | Yes |
| 18 | 0.00 | 103.54 | 87.77 | 0.00 | 0.7828 | 4.5000 | 0.00 | 1311.09 | 0.00 | Yes |
| 19 | 0.00 | 105.97 | 81.40 | 0.00 | 0.7828 | 4.5000 | 0.00 | 1311.09 | 0.00 | Yes |
| 20 | 0.00 | 105.42 | 79.29 | 0.00 | 0.7828 | 4.5000 | 0.00 | 1311.09 | 0.00 | Yes |
| 21 | 0.00 | 99.57 | -38.74 | 0.00 | 0.7828 | 4.5000 | 0.00 | 1311.09 | 0.00 | Yes |
| 22 | 0.00 | 98.12 | 76.07 | 0.00 | 0.7828 | 4.5000 | 0.00 | 1311.09 | 0.00 | Yes |
| 23 | 0.00 | 99.64 | 73.31 | 0.00 | 0.7828 | 4.5000 | 0.00 | 1311.09 | 0.00 | Yes |
| **Total** | 22.72 | 28.42 | 91.77 | 0.76 | 0.7828 | | 88.06 | | 115.45 | |

**Edit Reasons:**

| From | To | Edit Reason |
|---|---|---|
| 05/26/2021 02:00 PM | 05/27/2021 02:00 AM | Meter Data Import: Source Analysis Apply |
| 05/27/2021 02:00 AM | 05/27/2021 02:00 PM | Meter Data Import: Source Analysis Apply |
| 05/27/2021 02:00 PM | 05/28/2021 02:00 AM | Meter Data Import: Source Analysis Apply |

**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 30097

## QUESTIONS

| | |
|---|---|
| Operator:<br>EOG RESOURCES INC<br>P.O. Box 2267<br>Midland, TX 79702 | OGRID:<br>7377 |
| | Action Number:<br>30097 |
| | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

**QUESTIONS**

| **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 or is this venting or flaring caused by an emergency or malfunction | Yes |
| Did or will this venting or flaring last eight hours or more cumulatively within any 24-hour period from a single event | No |
| Is this considered a submission for a notification of a major venting or flaring | **Yes, minor venting or flaring of natural gas.** |
| ***The operator shall file a form C-141 instead of a form C-129 for a release that includes liquid during venting or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.*** | |
| Was there or will there be **at least 50 MCF** of natural gas vented or flared during this event | Yes |
| Did this venting or flaring 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 |

| **Unregistered Facility Site** | |
|---|---|
| *Please provide the facility details, if the venting or flaring occurred or is occuring at a facility that does not have an Facility ID (f#) yet.* | |
| Facility or Site Name | *Not answered.* |
| Facility Type | *Not answered.* |

| **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 | 72 |
| Nitrogen (N2) percentage, if greater than one percent | 1 |
| Hydrogen Sulfide (H2S) PPM, rounded up | 0 |
| Carbon Dioxide (C02) percentage, if greater than one percent | 1 |
| 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.* |

| **Date(s) and Time(s)** | |
|---|---|
| Date venting or flaring was discovered or commenced | 05/28/2021 |
| Time venting or flaring was discovered or commenced | 08:00 AM |
| Is the venting or flaring event complete | Yes |
| Date venting or flaring was terminated | 05/28/2021 |
| Time venting or flaring was terminated | 09:00 AM |
| Total duration of venting or flaring in hours, if venting or flaring has terminated | 1 |
| Longest duration of cumulative hours within any 24-hour period during this event | 1 |

| **Measured or Estimated Volume of Vented or Flared Natural Gas** | |
|---|---|
| Natural Gas Vented (Mcf) Details | *Not answered.* |
| Natural Gas Flared (Mcf) Details | *Not answered.* |
| Other Released Details | Cause: Pipeline Quality Specifications \| Gas Compressor Station \| Natural Gas Flared \| Spilled: 88 Mcf \| Recovered: 0 Mcf \| Lost: 88 Mcf ] |
| Additional details for Measured or Estimated Volume(s). Please specify | *Not answered.* |
| Is this a gas only submission (i.e. only Mcf values reported) | **Yes, according to supplied volumes this appears to be a "gas only" report.** |

| **Venting or Flaring Resulting from Downstream Activity** | |
|---|---|
| Was or is this venting or flaring a result of downstream activity | *Not answered.* |
| Date notified of downstream activity requiring this venting or flaring | *Not answered.* |
| Time notified of downstream activity requiring this venting or flaring | *Not answered.* |

| **Steps and Actions to Prevent Waste** |
|---|

| | |
|---|---|
| For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control. | False |
| Please explain reason for why this event was beyond your operator's control | Event was within our control |
| Steps taken to limit the duration and magnitude of venting or flaring | Monitor in real time and when alarmed, identify and work to resolve the source causing the poor gas quality |
| Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring | Review past occurrences and share lessons learned whether it be formation gas, equipment/operational failures, or facility design issues |

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CONDITIONS

Action 30097

## CONDITIONS

| | |
|---|---|
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| | Action Number:<br>30097 |
| | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| system | If the information provided in this report requires an amendment, submit a [C-129] Request to Amend Venting and/or Flaring Incident, utilizing your incident number from this event. | 6/1/2021 |