

Diablo Analytical BTU Report GPA 2145-16 Analysis

Sample Information

| | Sample Information |
|-------------------------------|---|
| Sample Name | L31-523H R2 |
| Station Number | |
| Taken By | Gas Analysis Service |
| Operator | DJR |
| Method Name/Type | GAS High w H2S.met |
| Injection Date | 2021-11-29 12:15:48 |
| Report Date | 2021-11-29 12:19:43 |
| EZReporter Configuration File | Standard Sample GAS edit SC 7-12-21.cfgx |
| Source Data File | 2021-11-29 12-15-36 (GMT -07-00)L31-523H R-Rep2.dat |
| EZReporter Data File | 20211129-121943-L31-523H R2.ezrx |
| Data Source | Agilent EZChrom Connector |

Component Results

| Component Name | Raw Amount | Norm% | Gross HV (Dry) (BTU / Ideal cu.ft.) | GPM (Dry) (Gal. / 1000 cu.ft.) |
|------------------|------------|----------|--|-----------------------------------|
| Nitrogen | 14.3798 | 15.0889 | 0.0 | 1.665 |
| Methane | 59.2532 | 62.1750 | 629.4 | 10.575 |
| Carbon Dioxide | 0.3096 | 0.3249 | 0.0 | 0.056 |
| Ethane | 9.9405 | 10.4307 | 185.0 | 2.799 |
| Hydrogen Sulfide | 0.0000 | 0.0000 | 0.0 | 0.000 |
| Propane | 7.2449 | 7.6021 | 191.7 | 2.101 |
| i-Butane | 0.9441 | 0.9907 | 32.3 | 0.325 |
| n-Butane | 2.1096 | 2.2136 | 72.4 | 0.700 |
| i-Pentane | 0.3941 | 0.4135 | 16.6 | 0.152 |
| n-Pentane | 0.3528 | 0.3702 | 14.9 | 0.135 |
| Hexanes Plus | 0.3721 | 0.3904 | 20.1 | 0.170 |
| Total: | 95.3007 | 100.0000 | 1162.4 | 18.677 |

Results Summary

| Result | Dry | Sat. (Base) |
|--|----------|-------------|
| Total Raw Mole% (Dry) | 95.3007 | |
| Total Normalized Mole% | 100.0000 | 0.0000 |
| Pressure Base (psia) | 14.730 | |
| Temperature Base | 60.0 | |
| Flowing Temperature (Deg. F) | 0.0 | |
| Flowing Pressure (psia) | 0.0 | |
| Water Mole% | - | 0.0000 |
| Gross Heating Value (BTU / Ideal cu.ft.) | 1162.4 | 0.0 |
| Gross Heating Value (BTU / Real cu.ft.) | 1166.4 | 0.0 |
| Net Heating Value (BTU / Ideal cu.ft.) | 1056.7 | 0.0 |
| Relative Density (G), Real | 0.8182 | 0.0000 |
| Compressibility (Z) Factor | 0.9965 | 0.0000 |
| Total GPM | 18.677 | 0.000 |

[illegible][illegible]

| Well Name | Date | Prams Total | Hours Flared | Hours Produced | Actual Gas | Flared Volumes |
|--------------|------------|-------------|--------------|----------------|------------|----------------|
| NAU L31 523H | 11/30/2021 | 559.2 | 24 | 0 | 0 | 559.2 |



District I1625 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 64622

QUESTIONS

| | |
|---|--|
| Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410 | OGRID: 371838 |
| | Action Number: 64622 |
| | 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 | [30-043-21341] N ALAMITO UNIT #523H |
| Incident Facility | Not answered. |

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 or is this venting and/or flaring caused by an emergency or malfunction | No |
| Did or will this venting and/or flaring last eight hours or more cumulatively within any 24-hour period from a single event | Yes |
| Is this considered a submission for a venting and/or flaring 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 or will there be at least 50 MCF of natural gas vented and/or flared during this event | Yes |
| Did this venting and/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 |
| Was the venting and/or flaring 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 | Producing Well |
| 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 | 62 |
| Nitrogen (N2) percentage, if greater than one percent | 15 |
| Hydrogen Sulfide (H2S) PPM, rounded up | 0 |
| Carbon Dioxide (CO2) percentage, if greater than one percent | 0 |
| 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. |

Date(s) and Time(s)

| | |
|---|------------|
| Date venting and/or flaring was discovered or commenced | 11/30/2021 |
| Time venting and/or flaring was discovered or commenced | 12:00 AM |
| Time venting and/or flaring was terminated | 11:59 PM |
| Cumulative hours during this event | 24 |

Measured or Estimated Volume of Vented or Flared Natural Gas

| | |
|----------------------------------|---------------|
| Natural Gas Vented (Mcf) Details | Not answered. |
|----------------------------------|---------------|

| | |
|---|---|
| Natural Gas Flared (Mcf) Details | Cause: Other Producing Well Natural Gas Flared Released: 559 Mcf Recovered: 0 Mcf Lost: 559 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 or is this venting and/or flaring a result of downstream activity | No |
| Was notification of downstream activity received by you or your operator | No |
| Downstream OGRID that should have notified you or your operator | Not answered. |
| Date notified of downstream activity requiring this venting and/or flaring | Not answered. |
| Time notified of downstream activity requiring this venting and/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. | True |
| Please explain reason for why this event was beyond your operator's control | Well was hit by nearby completions activity. Nitrogen concentrations exceed pipeline specifications. |
| Steps taken to limit the duration and magnitude of venting and/or flaring | Well was hit by nearby completions activity. Nitrogen concentrations exceed pipeline specifications. |
| Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring | Flaring will conclude once nitrogen concentrations are below pipeline concentrations. |

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CONDITIONS

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| | Action Number: 64622 |
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CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| farrell | 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. | 12/1/2021 |