

## Diablo Analytical BTU Report GPA 2145-16 Analysis

### Sample Information

|                               | Sample Information                                  |
|-------------------------------|-----------------------------------------------------|
| Sample Name                   | L31-524H R2                                         |
| Station Number                |                                                     |
| Taken By                      | Gas Analysis Service                                |
| Operator                      | DJR                                                 |
| Method Name/Type              | GAS High w H2S.met                                  |
| Injection Date                | 2021-12-02 11:52:52                                 |
| Report Date                   | 2021-12-02 11:57:10                                 |
| EZReporter Configuration File | Standard Sample GAS edit SC 7-12-21.cfgx            |
| Source Data File              | 2021-12-02 11-52-39 (GMT -07-00)L31-524H R-Rep2.dat |
| EZReporter Data File          | 20211202-115710-L31-524H R2.ezrx                    |
| Data Source                   | Agilent EZChrom Connector                           |

### Component Results

| Component Name   | Raw Amount | Norm%    | Gross HV (Dry)<br>(BTU / Ideal cu.ft.) | GPM (Dry)<br>(Gal. / 1000 cu.ft.) |
|------------------|------------|----------|----------------------------------------|-----------------------------------|
| Nitrogen         | 20.7146    | 22.3408  | 0.0                                    | 2.464                             |
| Methane          | 54.7615    | 59.0604  | 597.9                                  | 10.039                            |
| Carbon Dioxide   | 0.2304     | 0.2485   | 0.0                                    | 0.043                             |
| Ethane           | 8.1824     | 8.8248   | 156.5                                  | 2.366                             |
| Hydrogen Sulfide | 0.0000     | 0.0000   | 0.0                                    | 0.000                             |
| Propane          | 5.6130     | 6.0536   | 152.7                                  | 1.672                             |
| i-Butane         | 0.6376     | 0.6877   | 22.4                                   | 0.226                             |
| n-Butane         | 1.4459     | 1.5594   | 51.0                                   | 0.493                             |
| i-Pentane        | 0.2756     | 0.2972   | 11.9                                   | 0.109                             |
| n-Pentane        | 0.2440     | 0.2632   | 10.6                                   | 0.096                             |
| Hexanes Plus     | 0.6160     | 0.6644   | 34.2                                   | 0.289                             |
| Total:           | 92.7210    | 100.0000 | 1037.1                                 | 17.797                            |

### Results Summary

| Result                                   | Dry      | Sat. (Base) |
|------------------------------------------|----------|-------------|
| Total Raw Mole% (Dry)                    | 92.7210  |             |
| 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.) | 1037.1   | 0.0         |
| Gross Heating Value (BTU / Real cu.ft.)  | 1040.2   | 0.0         |
| Net Heating Value (BTU / Ideal cu.ft.)   | 942.2    | 0.0         |
| Relative Density (G), Real               | 0.8132   | 0.0000      |
| Compressibility (Z) Factor               | 0.9971   | 0.0000      |
| Total GPM                                | 17.797   | 0.000       |

[illegible][illegible]

| Well Name    | Date      | Prams Total | Hours Flared | Hours Produced | Actual Gas | Flared Volumes |
|--------------|-----------|-------------|--------------|----------------|------------|----------------|
| NAU L31 524H | 12/2/2021 | 1782.7      | 24           | 0              | 0          | 1782.7         |



**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  
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**District III**

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**District IV**

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

QUESTIONS

Action 64992

**QUESTIONS**

|                                                                   |                                                        |
|-------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>DJR OPERATING, LLC<br>1 Road 3263<br>Aztec, NM 87410 | OGRID:<br>371838                                       |
|                                                                   | Action Number:<br>64992                                |
|                                                                   | Action Type:<br>[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     | [30-043-21342] N ALAMITO UNIT #524H |
| 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                                     | 59 |
| Nitrogen (N2) percentage, if greater than one percent        | 22 |
| 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 | 12/02/2021 |
| 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: 1,783 Mcf   Recovered: 0 Mcf   Lost: 1,783 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 and 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 and 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 specifications.                   |

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CONDITIONS  
  
Action 64992

CONDITIONS

|                                                                       |                                                            |
|-----------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br><br>DJR OPERATING, LLC<br>1 Road 3263<br>Aztec, NM 87410 | OGRID:<br><br>371838                                       |
|                                                                       | Action Number:<br><br>64992                                |
|                                                                       | Action Type:<br><br>[C-129] Venting and/or Flaring (C-129) |

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. | 12/3/2021      |