

## 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	2021-11-19 13:34:12
Report Date	2021-11-19 13:38:17
EZReporter Configuration File	Standard Sample GAS edit SC 7-12-21.cfgx
Source Data File	2021-11-19 13-33-56 (GMT -07-00)L31-523H R-Rep2.dat
EZReporter Data File	20211119-133817-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	37.3127	40.1235	0.0	4.422
Methane	42.7499	45.9701	465.4	7.807
Carbon Dioxide	0.1747	0.1879	0.0	0.032
Ethane	6.2030	6.6703	118.3	1.787
Hydrogen Sulfide	0.0000	0.0000	0.0	0.000
Propane	4.2330	4.5519	114.8	1.256
i-Butane	0.5027	0.5406	17.6	0.177
n-Butane	1.1653	1.2531	41.0	0.396
i-Pentane	0.2525	0.2715	10.9	0.099
n-Pentane	0.2190	0.2355	9.5	0.086
Hexanes Plus	0.1819	0.1956	10.1	0.085
Total:	92.9947	100.0000	787.5	16.147

### Results Summary

Result	Dry	Sat. (Base)
Total Raw Mole% (Dry)	92.9947	
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.)	787.5	0.0
Gross Heating Value (BTU / Real cu.ft.)	789.1	0.0
Net Heating Value (BTU / Ideal cu.ft.)	715.1	0.0
Relative Density (G), Real	0.8403	0.0000
Compressibility (Z) Factor	0.9980	0.0000
Total GPM	16.147	0.000

[illegible][illegible]

Well Name	Date	Prams Total	Hours Flared	Hours Produced	Actual Gas	Flared Volumes
NAU L31-523	11/26/2021	846.9	24	0	0	846.9





**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 63775

**QUESTIONS**

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 63775
	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	46
Nitrogen (N2) percentage, if greater than one percent	40
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	11/26/2021
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.
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Natural Gas Flared (Mcf) Details	Cause: Other   Producing Well   Natural Gas Flared   Released: 846 Mcf   Recovered: 0 Mcf   Lost: 846 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 completion activities. Nitrogen concentrations exceed pipeline specifications
Steps taken to limit the duration and magnitude of venting and/or flaring	Well was hit by nearby completion activities. 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 63775

CONDITIONS

Operator:  DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID:  371838
	Action Number:  63775
	Action Type:  [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.	11/28/2021