

## Diablo Analytical BTU Report GPA 2145-16 Analysis

### Sample Information

	Sample Information
Sample Name	P36-401H R2
Station Number	
Taken By	Gas Analysis Service
Operator	DJR
Method Name/Type	GAS High w H2S.met
Injection Date	2021-11-01 10:10:59
Report Date	2021-11-01 10:31:10
EZReporter Configuration File	Standard Sample GAS edit SC 7-12-21.cfgx
Source Data File	2021-11-01 10-10-47 (GMT -06-00)P36-401H R-Rep2.dat
EZReporter Data File	20211101-103110-P36-401H 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	3.0226	3.1236	0.0	0.345
Methane	71.5151	73.9041	748.2	12.574
Carbon Dioxide	0.2862	0.2958	0.0	0.051
Ethane	11.2792	11.6560	206.8	3.128
Hydrogen Sulfide	0.0000	0.0000	0.0	0.000
Propane	6.9512	7.1834	181.2	1.986
i-Butane	0.8010	0.8278	27.0	0.272
n-Butane	1.7902	1.8500	60.5	0.585
i-Pentane	0.3592	0.3712	14.9	0.136
n-Pentane	0.3042	0.3144	12.6	0.114
Hexanes Plus	0.4584	0.4737	24.4	0.206
Total:	96.7673	100.0000	1275.4	19.398

### Results Summary

Result	Dry	Sat. (Base)
Total Raw Mole% (Dry)	96.7673	
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.)	1275.4	0.0
Gross Heating Value (BTU / Real cu.ft.)	1280.3	0.0
Net Heating Value (BTU / Ideal cu.ft.)	1158.2	0.0
Relative Density (G), Real	0.7631	0.0000
Compressibility (Z) Factor	0.9962	0.0000
Total GPM	19.398	0.000



DJR Operating, LLC

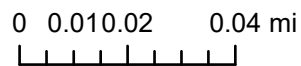
Site	API	Date	Prams Total	Hours Flared	Hours produced	Actual Gas TDAY	Flared Volumes
NAU P36 401H	30-045-38181	10/31/2021	1589.4	16	8	529.8	1059.6
			1589.4			529.8	1059.6



Maxar, Microsoft



Released to Imaging: 11/1/2021 11:46:27 AM



Date Printed: 11/1/2021

## Legend

- DJR Vertical Surface Locations
- DJR Horizontal Surface Locations

## Pad Locations, Existing and Planned

- Planned Pad

- Existing Pad

## Ghost Area Roads

- Minor Roads
- Highways

- Highways
- County Roads
- <all other values>
- NAU CLF

N



**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 58660

**QUESTIONS**

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 58660
	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	[30-045-38181] N ALAMITO UNIT #401H
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	Yes
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	VRT malfunctioned introducing oxygen into the facility.

**Representative Compositional Analysis of Vented or Flared Natural Gas**

Please provide the mole percent for the percentage questions in this group.

Methane (CH4) percentage	74
Nitrogen (N2) percentage, if greater than one percent	3
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	10/23/2021
Time venting and/or flaring was discovered or commenced	09:30 AM
Time venting and/or flaring was terminated	11:59 PM
Cumulative hours during this event	16

**Measured or Estimated Volume of Vented or Flared Natural Gas**

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

Natural Gas Flared (Mcf) Details	Cause: Equipment Failure   Other (Specify)   Natural Gas Flared   Released: 1,059 Mcf   Recovered: 0 Mcf   Lost: 1,059 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	Equipment malfunction and for the safety of the employees, the gas in the facility needed to be flared
Steps taken to limit the duration and magnitude of venting and/or flaring	Only flaring what needs to be in order to mitigate the risk to the employees and facility.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Investigating the cause of the equipment malfunction in order to prevent a reoccurrence.

**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**

CONDITIONS  
  
Action 58660

CONDITIONS

Operator:  DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID:  371838
	Action Number:  58660
	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.	11/1/2021