Diablo Analytical BTU Report
GPA 2145-16 Analysis

Sample Information

	Sample Information
Sample Name	P36-404H R2
Station Number	
Taken By	Gas Analysis Service
Operator	DJR
Method Name/Type	GAS High w H2S.met
Injection Date	2021-11-01 10:02:49
Report Date	2021-11-01 10:06:39
EZReporter Configuration File	Standard Sample GAS edit SC 7-12-21.cfgx
Source Data File	2021-11-01 10-02-37 (GMT -06-00)P36-404H R-Rep2.dat
EZReporter Data File	20211101-100639-P36-404H 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	2.8601	2.9734	0.0	0.328
Methane	73.0228	75.9165	768.5	12.914
Carbon Dioxide	0.2252	0.2341	0.0	0.040
Ethane	10.3841	10.7956	191.5	2.897
Hydrogen Sulfide	0.0000	0.0000	0.0	0.000
Propane	6.3321	6.5830	166.0	1.820
i-Butane	0.7228	0.7514	24.5	0.247
n-Butane	1.5848	1.6476	53.9	0.521
i-Pentane	0.3321	0.3453	13.8	0.127
n-Pentane	0.2809	0.2920	11.7	0.106
Hexanes Plus	0.4435	0.4611	23.7	0.201
Total:	96.1884	100.0000	1253.7	19.201

Results Summary

Result	Dry	Sat. (Base)
Total Raw Mole% (Dry)	96.1884	
Total Normalzed 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.)	1253.7	0.0
Gross Heating Value (BTU / Real cu.ft.)	1258.3	0.0
Net Heating Value (BTU / Ideal cu.ft.)	1137.8	0.0
Relative Density (G), Real	0.7464	0.0000
Compressibility (Z) Factor	0.9964	0.0000
Total GPM	19.201	0.000

Site	API	Date	Prams Total	Hours Flared	Hours produced	Actual Gas TDAY	Flared Volumes
NAU P36 404H	30-045-38188	10/31/2021	849	16	8	283.0	566.0
			849			283.0	566.0

DJR Locations Basemap

DJR Energy

0 0.010.02 0.04 mi

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 58863

QUESTIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 58863
	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	**[30-045-38188] N ALAMITO UNIT #404H**
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 addional 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	76
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	0
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 and/or flaring was discovered or commenced	10/31/2021
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: 566 Mcf | Recovered: 0 Mcf | Lost: 566 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

Operator:	OGRID:
DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	371838
	Action Number: 58863
	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