Diablo Analytical BTU Report
GPA 2145-16 Analysis

Sample Information

	Sample Information
Sample Name	NAU 529H R2
Station Number	
Taken By	Gas Analysis Service
Operator	DJR
Method Name/Type	GAS High w H2S.met
Injection Date	2021-11-23 11:36:08
Report Date	2021-11-23 11:41:24
EZReporter Configuration File	Standard Sample GAS edit SC 7-12-21.cfgx
Source Data File	2021-11-23 11-35-56 (GMT -07-00)NAU 529H R-Rep2.dat
EZReporter Data File	20211123-114124-NAU 529H 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	31.8470	34.9080	0.0	3.849
Methane	43.4901	47.6702	482.6	8.099
Carbon Dioxide	0.2455	0.2691	0.0	0.046
Ethane	7.5327	8.2567	146.5	2.213
Hydrogen Sulfide	0.0000	0.0000	0.0	0.000
Propane	5.2266	5.7290	144.5	1.582
i-Butane	0.6365	0.6977	22.7	0.229
n-Butane	1.4321	1.5697	51.3	0.496
i-Pentane	0.3102	0.3400	13.6	0.125
n-Pentane	0.2690	0.2949	11.8	0.107
Hexanes Plus	0.2415	0.2647	13.6	0.115
Total:	91.2312	100.0000	886.7	16.860

Results Summary

Result	Dry	Sat. (Base)
Total Raw Mole% (Dry)	91.2312	
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.)	886.7	0.0
Gross Heating Value (BTU / Real cu.ft.)	888.8	0.0
Net Heating Value (BTU / Ideal cu.ft.)	806.0	0.0
Relative Density (G), Real	0.8502	0.0000
Compressibility (Z) Factor	0.9976	0.0000
Total GPM	16.860	0.000

Well Name	Date	Prams Total	Hours Flared	Hours Produced	Actual Gas	Flared Volumes
N Alamito Unit J31 529H	11/24/2021	1308	20	4	218	1090


N
2000 ft
36.1845245, -107.6151047
Google Earth

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 63716

QUESTIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 63716
	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	**[30-043-21335] N ALAMITO UNIT #529H**
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	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	48
Nitrogen (N2) percentage, if greater than one percent	35
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	11/24/2021
Time venting and/or flaring was discovered or commenced	11:00 AM
Time venting and/or flaring was terminated	12:00 PM
Cumulative hours during this event	20

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	*Not answered.*

Natural Gas Flared (Mcf) Details	Cause: Pipeline Quality Specifications | Producing Well | Natural Gas Flared | Released: 1,090 Mcf | Recovered: 0 Mcf | Lost: 1,090 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 fracking activities. Nitrogen levels are too high to put in the pipeline.
Steps taken to limit the duration and magnitude of venting and/or flaring	Reducing nitrogen.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Reducing nitrogen

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CONDITIONS

Action 63716

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Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 63716
	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.	11/25/2021