

Natural Gas Analysis Report

GPA 2172-09/API 14.5 Report with GPA 2145-16 Physical Properties

Sample Information

	Sample Information
Sample Name	RDX FED COM 17-37H (62430033) 7-30-2021 #2
Effective/Start Date	8-1-2021
WELL NAME	
Laboratory	D JURNEY
Analyzer Type	NAT. GAS ANALYZER
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	7-27-2021
Sampling Flow Rate	1320
Air Temperature	87
Heat Tracing	Heated Hose & Gasifier
Type of Sample	SPOT PORTABLE GC
Sampling Method	FILL AND EMPTY
Company Collecting Sample	AKM Measurement
Method Name	C9
Injection Date	2021-07-30 11:12:56
Report Date	2021-07-30 11:21:02
EZReporter Configuration File	BLM Onshore.Extended.GPA 2145-16.FlowCal.H2S.cfgx
Source Data File	3c5e4361-d2bf-4e91-8985-172b33efe924
NGA Phys. Property Data Source	GPA Standard 2145-16 (FPS)
Data Source	INFICON Fusion Connector

Component Results

Component Name	Peak Area	Raw Amount	Response Factor	Norm Mole%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)	
Nitrogen	10605.8	0.7449	0.00007023	0.7499	0.0	0.00725	0.000	
Methane	871402.9	78.0474	0.00008957	78.5703	795.4	0.43520	0.000	
CO2	2208.5	0.1255	0.00005680	0.1263	0.0	0.00192	0.000	
Ethane	202314.9	11.1502	0.00005511	11.2249	199.1	0.11654	3.013	
H2S	0.0	0.0001	0.00000000	0.0001	0.0	0.00000	0.000	
Propane	124591.5	4.9244	0.00003952	4.9574	125.0	0.07548	1.371	
iso-butane	42963.0	0.7414	0.00001726	0.7464	24.3	0.01498	0.245	
n-Butane	103880.3	1.7838	0.00001717	1.7958	58.7	0.03604	0.568	
iso-pentane	28916.7	0.4355	0.00001506	0.4384	17.6	0.01092	0.161	
n-Pentane	36816.8	0.5379	0.00001461	0.5415	21.8	0.01349	0.197	
hexanes	32837.0	0.3765	0.00001146	0.3790	18.1	0.01128	0.156	
heptanes	29440.0	0.2795	0.00000949	0.2814	15.5	0.00974	0.130	
octanes	18644.0	0.1475	0.00000791	0.1485	9.3	0.00586	0.076	
nonanes+	5501.0	0.0399	0.00000725	0.0401	2.8	0.00178	0.023	
Total:		99.3344		100.0000	1287.6	0.74046	5.940	

Results Summary

Result	Dry	Sat.	
Total Un-Normalized Mole%	99.3344		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Flowing Temperature (Deg. F)	98.0		
Flowing Pressure (psia)	89.0		
Gross Heating Value (BTU / Ideal cu.ft.)	1287.6	1265.2	
Gross Heating Value (BTU / Real cu.ft.)	1292.5	1270.6	
Relative Density (G), Real	0.7430	0.7412	

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status	
Total un-normalized amount	99.3344	97.0000	103.0000	Pass	

District I1625 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 42189

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 42189
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites	
<i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident Well	[30-015-43544] RDX FEDERAL COM 17 #037H
Incident Facility	Not answered.

Determination of Reporting Requirements	
<i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
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	No
Is this considered a submission for a notification of a major venting and/or flaring	Yes, minor venting and/or flaring of natural gas.
<i>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.</i>	
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	Separator
Additional details for Equipment Involved. Please specify	Not answered.

Representative Compositional Analysis of Vented or Flared Natural Gas	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	78
Nitrogen (N2) percentage, if greater than one percent	0
Hydrogen Sulfide (H2S) PPM, rounded up	1
Carbon Dioxide (CO2) percentage, if greater than one percent	0
Oxygen (O2) percentage, if greater than one percent	0
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
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	08/09/2021
Time venting and/or flaring was discovered or commenced	06:46 AM
Time venting and/or flaring was terminated	07:31 AM
Cumulative hours during this event	0

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 Separator Natural Gas Flared Released: 74 Mcf Recovered: 0 Mcf Lost: 74 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	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	Seperator dump stuck open sending a bunch of gas to the treater/flared
Steps taken to limit the duration and magnitude of venting and/or flaring	Fixed the separator.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Fixed the separator.

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CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
ohair	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.	8/16/2021