

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 17-35H (62428445) 5-27-2021 #2
Effective/Start Date	5-1-2021
WELL NAME	
Laboratory	D JURNEY
Analyzer Type	NAT. GAS ANALYZER
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	5-24-2021
Air Temperature	96
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	2021-05-27 13:01:07
Report Date	2021-05-27 13:08:24
EZReporter Configuration File	BLM Onshore.Extended.GPA 2145-16.FlowCal.H2S.cfgx
Source Data File	48c7428c-778e-4baa-9d3e-8944ef942a7b
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	8952.6	0.6342	0.00007083	0.6366	0.0	0.00616	0.000
Methane	882953.6	79.2055	0.00008971	79.5063	804.9	0.44039	0.000
CO2	2714.1	0.1564	0.00005764	0.1570	0.0	0.00239	0.000
Ethane	193552.0	10.6765	0.00005516	10.7171	190.1	0.11126	2.876
H2S	0.0	0.0000	0.00000000	0.0000	0.0	0.00000	0.000
Propane	109338.4	4.3089	0.00003941	4.3253	109.1	0.06585	1.196
iso-butane	47405.3	0.8145	0.00001718	0.8176	26.6	0.01641	0.269
n-Butane	95754.9	1.6371	0.00001710	1.6433	53.7	0.03298	0.520
iso-pentane	33657.1	0.5058	0.00001503	0.5078	20.4	0.01265	0.186
n-Pentane	38609.6	0.5627	0.00001457	0.5649	22.7	0.01407	0.206
hexanes	43456.0	0.5092	0.00001172	0.5111	24.4	0.01521	0.211
heptanes	37384.0	0.3578	0.00000957	0.3592	19.8	0.01243	0.166
octanes	25890.0	0.2066	0.00000798	0.2074	13.0	0.00818	0.107
nonanes+	6082.0	0.0462	0.00000759	0.0464	3.3	0.00205	0.026
Total:		99.6214		100.0000	1287.9	0.74002	5.763

Results Summary

Result	Dry	Sat.
Total Un-Normalized Mole%	99.6214	
Pressure Base (psia)	14.730	
Temperature Base (Deg. F)	60.00	
Flowing Temperature (Deg. F)	111.0	
Flowing Pressure (psia)	91.0	
Gross Heating Value (BTU / Ideal cu.ft.)	1287.9	1265.5
Gross Heating Value (BTU / Real cu.ft.)	1292.9	1270.9
Relative Density (G), Real	0.7426	0.7408

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status
Total un-normalized amount	99.6214	97.0000	103.0000	Pass

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 17-35H (62428445) 5-27-2021 #1
Effective/Start Date	5-1-2021
WELL NAME	
Laboratory	D JURNEY
Analyzer Type	NAT. GAS ANALYZER
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	5-24-2021
Air Temperature	96
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	2021-05-27 12:55:40
Report Date	2021-05-27 13:02:53
EZReporter Configuration File	BLM Onshore.Extended.GPA 2145-16.FlowCal.H2S.cfgx
Source Data File	219676cd-826b-4b16-8448-58b623f9ee8f
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	9098.9	0.6445	0.00007083	0.6455	0.0	0.00624	0.000
Methane	885433.1	79.4279	0.00008971	79.5476	805.3	0.44061	0.000
CO2	2734.6	0.1576	0.00005764	0.1579	0.0	0.00240	0.000
Ethane	194326.1	10.7192	0.00005516	10.7353	190.4	0.11145	2.881
H2S	0.0	0.0000	0.00000000	0.0000	0.0	0.00000	0.000
Propane	109677.9	4.3223	0.00003941	4.3288	109.2	0.06591	1.197
iso-butane	47567.9	0.8173	0.00001718	0.8185	26.7	0.01643	0.269
n-Butane	96072.2	1.6426	0.00001710	1.6450	53.8	0.03301	0.520
iso-pentane	33564.6	0.5044	0.00001503	0.5052	20.3	0.01259	0.185
n-Pentane	38485.7	0.5609	0.00001457	0.5618	22.6	0.01399	0.204
hexanes	42302.0	0.4956	0.00001172	0.4964	23.7	0.01477	0.205
heptanes	35357.0	0.3384	0.00000957	0.3389	18.7	0.01172	0.157
octanes	22746.0	0.1815	0.00000798	0.1818	11.4	0.00717	0.093
nonanes+	4907.0	0.0373	0.00000759	0.0373	2.6	0.00165	0.021
Total:		99.8496		100.0000	1284.5	0.73795	5.733

Results Summary

Result	Dry	Sat.
Total Un-Normalized Mole%	99.8496	
Pressure Base (psia)	14.730	
Temperature Base (Deg. F)	60.00	
Flowing Temperature (Deg. F)	111.0	
Flowing Pressure (psia)	91.0	
Gross Heating Value (BTU / Ideal cu.ft.)	1284.5	1262.2
Gross Heating Value (BTU / Real cu.ft.)	1289.4	1267.5
Relative Density (G), Real	0.7405	0.7387

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status
Total un-normalized amount	99.8496	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 61912

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 61912
	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	[30-015-43884] RDX FEDERAL 17 #035H
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, minor 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	Gas Compressor Station
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	80
Nitrogen (N2) percentage, if greater than one percent	1
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	11/11/2021
Time venting and/or flaring was discovered or commenced	02:30 PM
Time venting and/or flaring was terminated	11:59 PM
Cumulative hours during this event	9

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: Repair and Maintenance Gas Compressor Station Natural Gas Flared Released: 236 Mcf Recovered: 0 Mcf Lost: 236 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	Not answered.
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.	False
Please explain reason for why this event was beyond your operator's control	Not answered.
Steps taken to limit the duration and magnitude of venting and/or flaring	Compressor station 2 and 3 down for a scheduled line tie in.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	SI/Choke wells.

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CONDITIONS

Action 61912

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 61912
	Action Type: [C-129] Venting and/or Flaring (C-129)

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.	11/15/2021