

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

NMOCD C-129 Volume Calculation

Well: RDX FEDERAL COM 17 #40H 30-015-43634
Location (WGS 84): 32.0352088, -103.9120606; A

Volume Calculation: Metered

	Date	MCF/D
Flare Start Date; Start Time	6/14/21 9:15 AM	
Flare End Date; End Time	6/14/21 4:30 PM	114.4

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 31975

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 31975
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

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 or flaring caused by an emergency or malfunction	No
Did or will this venting 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 or flaring	Yes, minor venting or flaring of natural gas.
The operator shall file a form C-141 instead of a form C-129 for a release that includes liquid during venting or flaring that is or may be a major or minor release under 19-1-29, NMAC.	
Was there or will there be at least 50 MCF of natural gas vented or flared during this event	Yes
Did this venting 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

Unregistered Facility Site	
<i>Please provide the facility details, if the venting or flaring occurred or is occurring at a facility that does not have an Facility ID (##) yet.</i>	
Facility or Site Name	Not answered.
Facility Type	Not answered.

Equipment Involved	
Primary Equipment Involved	Pipeline (Any)
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	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 or flaring was discovered or commenced	06/14/2021
Time venting or flaring was discovered or commenced	09:15 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	06/14/2021
Time venting or flaring was terminated	04:30 PM
Total duration of venting or flaring in hours, if venting or flaring has terminated	7
Longest duration of cumulative hours within any 24-hour period during this event	7

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: High Line Pressure Pipeline (Any) Natural Gas Flared Spilled: 114 Mcf Recovered: 0 Mcf Lost: 114 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 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 or flaring a result of downstream activity	Not answered.
Date notified of downstream activity requiring this venting or flaring	Not answered.
Time notified of downstream activity requiring this venting or flaring	Not answered.

Steps and Actions to Prevent Waste	
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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	Event was caused from unexpected highline pressure.
Steps taken to limit the duration and magnitude of venting or flaring	Event was caused from unexpected highline pressure.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Event was caused from unexpected highline pressure.

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CONDITIONS
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	Action Number: 31975
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
system	If the information provided in this report requires an amendment, submit a [C-129] Request to Amend Venting and/or Flaring Incident, utilizing your incident number from this event.	6/15/2021