

Natural Gas Analysis Report

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

Sample Information

	Sample Information
Sample Name	RDX 17-40H (62428685) 3-26-2021 #2
Effective/Start Date	04-1-2021
WELL NAME	
Laboratory	D JUNEY
Analyzer Type	NAT. GAS ANALYZER
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	3-22-2021
Sampling Flow Rate	457.43
Air Temperature	59
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	2021-03-26 12:15:12
Report Date	2021-03-26 12:20:51
EZReporter Configuration File	BLM Onshore.Extended.GPA 2145-16.FlowCal.cfgx
Source Data File	f325f3e2-f84e-4f05-ac9f-9a2c4d52c115
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	10539.7	0.7253	0.00006882	0.7292	0.0	0.00705	0.000	
Methane	873544.4	78.3848	0.00008973	78.8065	797.8	0.43651	0.000	
CO2	2159.1	0.1225	0.00005675	0.1232	0.0	0.00187	0.021	
Ethane	206490.2	11.4086	0.00005525	11.4699	203.5	0.11908	3.078	
H2S	0.0	0.0002	0.00000000	0.0002	0.0	0.00000	0.000	
Propane	126473.0	4.9859	0.00003942	5.0128	126.4	0.07632	1.386	
iso-butane	43255.4	0.7377	0.00001705	0.7417	24.2	0.01488	0.244	
n-Butane	99735.2	1.6911	0.00001696	1.7002	55.6	0.03412	0.538	
iso-pentane	25909.3	0.3859	0.00001490	0.3880	15.6	0.00967	0.142	
n-Pentane	31585.5	0.4564	0.00001445	0.4589	18.4	0.01143	0.167	
hexanes	24389.0	0.2841	0.00001165	0.2857	13.6	0.00850	0.118	
heptanes	18708.0	0.1779	0.00000951	0.1788	9.9	0.00619	0.083	
octanes	10343.0	0.0814	0.00000787	0.0819	5.1	0.00323	0.042	
nonanes+	2979.0	0.0229	0.00000767	0.0230	1.6	0.00102	0.013	
Total:		99.4648		100.0000	1271.6	0.72987	5.831	

Results Summary

Result	Dry	Sat.	
Total Un-Normalized Mole%	99.4648		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Flowing Temperature (Deg. F)	82.0		
Flowing Pressure (psia)	95.0		
Gross Heating Value (BTU / Ideal cu.ft.)	1271.6	1249.5	
Gross Heating Value (BTU / Real cu.ft.)	1276.3	1254.6	
Relative Density (G), Real	0.7323	0.7307	

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status	
Total un-normalized amount	99.4648	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	6/12/21 3:00 PM	
Flare End Date; End Time	6/13/21 6:00 AM	142

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 31727

QUESTIONS

Operator:	WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:	246289
		Action Number:	31727
		Action Type:	[C-129] Venting and/or Flaring (C-129)

QUESTIONS**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 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	Yes
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 19.13.297 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

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.

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

Please provide the mole percent for the percentage questions in this group.

Methane (CH4) percentage	79
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	2
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	06/12/2021
Time venting or flaring was discovered or commenced	03:00 PM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	06/13/2021
Time venting or flaring was terminated	06:00 AM
Total duration of venting or flaring in hours, if venting or flaring has terminated	15
Longest duration of cumulative hours within any 24-hour period during this event	15

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: 142 Mcf Recovered: 0 Mcf Lost: 142 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

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.

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

Action 31727

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 31727
	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.	6/14/2021