

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 JUNEY
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 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

DEFINITIONS

Action 72582

DEFINITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 72582
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application: • this application's operator, hereinafter "this operator"; • venting and/or flaring, hereinafter "vent or flare"; • any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms"; • the statements in (and/or attached to) this, hereinafter "the statements in this"; • and the past tense will be used in lieu of mixed past/present tense questions and statements.
--

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 72582

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 72582
	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 this vent or flare caused by an emergency or malfunction	Yes
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a vent or flare 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 at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this vent or flare 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 vent or flare 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.

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, Page 2

Action 72582

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 72582
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/03/2022
Time vent or flare was discovered or commenced	06:00 AM
Time vent or flare was terminated	02:00 PM
Cumulative hours during this event	8

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 Gas Compressor Station Natural Gas Flared Released: 257 Mcf Recovered: 0 Mcf Lost: 257 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 this vent or flare a result of downstream activity	Yes
Was notification of downstream activity received by this operator	No
Downstream OGRID that should have notified this operator	[267255] ENERGY TRANSFER PARTNERS, LP
Date notified of downstream activity requiring this vent or flare	Not answered.
Time notified of downstream activity requiring this vent or flare	Not answered.

Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control.	True
Please explain reason for why this event was beyond this operator's control	Flared due to high line pressure caused by compressor station going down.
Steps taken to limit the duration and magnitude of vent or flare	Notified pumper and gathering team.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Unexpected flaring due to extreme cold weather.

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

ACKNOWLEDGMENTS

Action 72582

ACKNOWLEDGMENTS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 72582
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a complete C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
☒	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
☒	I hereby certify the statements in this report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.
☒	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
☒	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

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 72582

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 72582
	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.	1/14/2022