

## Natural Gas Analysis Report

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

## Sample Information

Sample Information	
Sample Name	NORTH BRUSHY DRAW FEDERAL 35-10H (62429210) 2-28-2021 #1
Effective/Start Date	03-1-2021
WELL NAME	
Laboratory	D JURNEY
Analyzer Type	NAT. GAS ANALYZER
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	2-22-2021
Air Temperature	62
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	2021-02-28 12:40:01
Report Date	2021-02-28 12:45:32
EZReporter Configuration File	BLM Onshore.Extended.GPA 2145-16.FlowCal.cfgx
Source Data File	3145ea72-c832-4381-b633-cfd8fef983e9
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	12734.1	0.9159	0.00007193	0.9180	0.0	0.00888	0.000
Methane	871403.0	77.6876	0.00008915	77.8590	788.2	0.43126	0.000
CO2	2166.0	0.1233	0.00005694	0.1236	0.0	0.00188	0.021
Ethane	214862.7	11.7463	0.00005467	11.7723	208.8	0.12222	3.159
H2S	0.0	0.0001	0.00000000	0.0001	0.0	0.00000	0.000
Propane	135356.2	5.4758	0.00004045	5.4879	138.4	0.08355	1.517
iso-butane	44766.8	0.7634	0.00001705	0.7651	24.9	0.01535	0.251
n-Butane	105134.1	1.7666	0.00001680	1.7705	57.9	0.03553	0.560
iso-pentane	25251.0	0.3817	0.00001512	0.3826	15.3	0.00953	0.140
n-Pentane	29984.8	0.4354	0.00001452	0.4364	17.5	0.01087	0.159
hexanes	21701.0	0.2529	0.00001165	0.2534	12.1	0.00754	0.105
heptanes	16425.0	0.1466	0.00000892	0.1469	8.1	0.00508	0.068
octanes	9108.0	0.0693	0.00000761	0.0694	4.3	0.00274	0.036
nonanes+	2262.0	0.0148	0.00000653	0.0148	1.0	0.00066	0.008
Total:		99.7797		100.0000	1276.7	0.73509	6.025

## Results Summary

Result	Dry	Sat.
Total Un-Normalized Mole%	99.7797	
Pressure Base (psia)	14.730	
Temperature Base (Deg. F)	60.00	
Flowing Temperature (Deg. F)	83.0	
Flowing Pressure (psia)	115.0	
Gross Heating Value (BTU / Ideal cu.ft.)	1276.7	1254.5
Gross Heating Value (BTU / Real cu.ft.)	1281.5	1259.7
Relative Density (G), Real	0.7375	0.7359

## Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status
Total un-normalized amount	99.7797	97.0000	103.0000	Pass

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1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
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**District III**  
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**District IV**  
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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS

Action 50859

**QUESTIONS**

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 50859
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b>	
<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	[30-015-43638] NORTH BRUSHY DRAW FEDERAL 35 #010H
Incident Facility	Not answered.

<b>Determination of Reporting Requirements</b>	
<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	Yes
Is this considered a submission for a venting and/or flaring event	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

<b>Equipment Involved</b>	
Primary Equipment Involved	Gas Plant
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>	
<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	1
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.

<b>Date(s) and Time(s)</b>	
Date venting and/or flaring was discovered or commenced	09/20/2021
Time venting and/or flaring was discovered or commenced	10:48 AM
Time venting and/or flaring was terminated	09:00 PM
Cumulative hours during this event	10

<b>Measured or Estimated Volume of Vented or Flared Natural Gas</b>	
Natural Gas Vented (Mcf) Details	Not answered.

Natural Gas Flared (Mcf) Details	Cause: High Line Pressure   Gas Plant   Natural Gas Flared   Released: 65 Mcf   Recovered: 0 Mcf   Lost: 65 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	Yes
Was notification of downstream activity received by you or your operator	No
Downstream OGRID that should have notified you or your operator	[285689] DELAWARE BASIN MIDSTREAM, LLC
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	High line pressure due to gas plant issues. Choke back wells.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Get earlier notification from DBM to be able to choke back wells sooner.

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CONDITIONS  
 Action 50859

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Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 50859
	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.	9/21/2021