

## Natural Gas Analysis Report

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

## Sample Information

	Sample Information
Sample Name	LONGVIEW FEDERAL 12-4H (62429854) 7-6-2021 #2
Effective/Start Date	7-1-2021
WELL NAME	
Laboratory	D JURNEY
Analyzer Type	NAT. GAS ANALYZER
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	7-6-2021
Sampling Flow Rate	182
Air Temperature	81
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	2021-07-06 11:24:25
Report Date	2021-07-06 11:32:17
EZReporter Configuration File	BLM Onshore.Extended.GPA 2145-16.FlowCal.H2S.cfgx
Source Data File	20fed244-59d8-43e6-8cc6-6c29970e4f97
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	23698.9	1.6644	0.00007023	1.6753	0.0	0.01620	0.000	
Methane	862621.6	77.2609	0.00008957	77.7648	787.2	0.43074	0.000	
CO2	5102.2	0.2898	0.00005680	0.2917	0.0	0.00443	0.000	
Ethane	208769.2	11.5059	0.00005511	11.5810	205.4	0.12023	3.108	
H2S	0.0	0.0001	0.00000000	0.0001	0.0	0.00000	0.000	
Propane	129826.0	5.1313	0.00003952	5.1648	130.3	0.07863	1.428	
iso-butane	39191.7	0.6764	0.00001726	0.6808	22.2	0.01366	0.224	
n-Butane	92366.8	1.5861	0.00001717	1.5965	52.2	0.03204	0.505	
iso-pentane	23054.6	0.3472	0.00001506	0.3495	14.0	0.00871	0.128	
n-Pentane	24970.0	0.3648	0.00001461	0.3672	14.8	0.00915	0.134	
hexanes	18863.0	0.2163	0.00001146	0.2177	10.4	0.00648	0.090	
heptanes	21531.0	0.2044	0.00000949	0.2057	11.3	0.00712	0.095	
octanes	10703.0	0.0847	0.00000791	0.0852	5.3	0.00336	0.044	
nonanes+	2700.0	0.0196	0.00000725	0.0197	1.4	0.00087	0.011	
Total:		99.3519		100.0000	1254.5	0.73163	5.766	

## Results Summary

Result	Dry	Sat.
Total Un-Normalized Mole%	99.3519	
Pressure Base (psia)	14.730	
Temperature Base (Deg. F)	60.00	
Flowing Temperature (Deg. F)	95.0	
Flowing Pressure (psia)	125.0	
Gross Heating Value (BTU / Ideal cu.ft.)	1254.5	1232.7
Gross Heating Value (BTU / Real cu.ft.)	1259.1	1237.7
Relative Density (G), Real	0.7340	0.7324

## Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status	
Total un-normalized amount	99.3519	97.0000	103.0000	Pass	

**District I**

1625 N. French Dr., Hobbs, NM 88240  
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**District II**

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**District III**

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Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
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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 41448

**QUESTIONS**

Operator:	WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:	246289
		Action Number:	41448
		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	Yes
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 19.13.297 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	LONGVIEW FEDERAL 12 #4H
Facility Type	Flare Stack - (FS)

**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	77
Nitrogen (N2) percentage, if greater than one percent	2
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
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	08/07/2021
Time venting or flaring was discovered or commenced	12:30 PM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	08/07/2021
Time venting or flaring was terminated	09:45 PM
Total duration of venting or flaring in hours, if venting or flaring has terminated	4
Longest duration of cumulative hours within any 24-hour period during this event	4

**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   Spilled: 66 Mcf   Recovered: 0 Mcf   Lost: 66 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	Yes
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.	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 or flaring	Gas compressor station down.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Gas compressor station down.

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CONDITIONS  
  
Action 41448

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	Action Number: 41448
	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.	8/11/2021