

## Natural Gas Analysis Report

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

## Sample Information

	Sample Information
Sample Name	TUCKER DRAW 9-4 FEDERAL 1H (62469043) 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	76
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 10:31:28
Report Date	2021-05-27 10:38:22
EZReporter Configuration File	BLM Onshore.Extended.GPA 2145-16.FlowCal.H2S.cfgx
Source Data File	f32b182b-325d-4bbd-9b05-64d3c7177ad4
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	9697.0	0.6869	0.00007083	0.6917	0.0	0.00669	0.000
Methane	863717.8	77.4799	0.00008971	78.0212	789.8	0.43216	0.000
CO2	2297.3	0.1324	0.00005764	0.1333	0.0	0.00203	0.000
Ethane	206650.0	11.3990	0.00005516	11.4786	203.6	0.11917	3.081
H2S	0.0	0.0001	0.00000000	0.0001	0.0	0.00000	0.000
Propane	127367.9	5.0195	0.00003941	5.0545	127.5	0.07695	1.398
iso-butane	47883.3	0.8227	0.00001718	0.8284	27.0	0.01662	0.272
n-Butane	109417.6	1.8707	0.00001710	1.8838	61.6	0.03780	0.596
iso-pentane	32032.9	0.4814	0.00001503	0.4848	19.4	0.01208	0.178
n-Pentane	39698.4	0.5786	0.00001457	0.5826	23.4	0.01451	0.212
hexanes	35340.0	0.4141	0.00001172	0.4170	19.9	0.01241	0.172
heptanes	27559.0	0.2638	0.00000957	0.2656	14.6	0.00919	0.123
octanes	15676.0	0.1251	0.00000798	0.1260	7.9	0.00497	0.065
nonanes+	4234.0	0.0322	0.00000759	0.0324	2.3	0.00143	0.018
Total:		99.3063		100.0000	1297.1	0.74602	6.115

## Results Summary

Result	Dry	Sat.
Total Un-Normalized Mole%	99.3063	
Pressure Base (psia)	14.730	
Temperature Base (Deg. F)	60.00	
Flowing Temperature (Deg. F)	88.0	
Flowing Pressure (psia)	85.0	
Gross Heating Value (BTU / Ideal cu.ft.)	1297.1	1274.5
Gross Heating Value (BTU / Real cu.ft.)	1302.1	1280.0
Relative Density (G), Real	0.7486	0.7468

## Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status
Total un-normalized amount	99.3063	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**

QUESTIONS

Action 61910

**QUESTIONS**

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 61910
	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	[30-015-44477] TUCKER DRAW 9 4 FEDERAL COM #001H
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 or is this venting and/or flaring caused by an emergency or malfunction	No
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.
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 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

**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	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
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 and/or flaring was discovered or commenced	11/11/2021
Time venting and/or flaring was discovered or commenced	01:45 PM
Time venting and/or flaring was terminated	11:59 PM
Cumulative hours during this event	10

**Measured or Estimated Volume of Vented or Flared Natural Gas**

Natural Gas Vented (Mcf) Details	Not answered.
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Natural Gas Flared (Mcf) Details	Cause: Repair and Maintenance   Gas Compressor Station   Natural Gas Flared   Released: 217 Mcf   Recovered: 0 Mcf   Lost: 217 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	No
Was notification of downstream activity received by you or your operator	Not answered.
Downstream OGRID that should have notified you or your operator	Not answered.
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	Compressor station 2 and 3 down for a scheduled line tie in.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	SI/Choke wells.

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CONDITIONS  
  
Action 61910

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Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 61910
	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.	11/15/2021