

Natural Gas Analysis Report

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

Sample Information

	Sample Information
Sample Name	EAST PECOS FEDERAL 22-14H (62429247) 10-28-2021 #2
Effective/Start Date	11-1-2021
WELL NAME	
Laboratory	D JURNEY
Analyzer Type	NAT. GAS ANALYZER
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	10-22-2021
Sampling Flow Rate	802
Air Temperature	65
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	2021-10-28 11:01:02
Report Date	2021-10-28 11:11:09
EZReporter Configuration File	BLM Onshore.Extended.GPA 2145-16.FlowCal.H2S.cfgx
Source Data File	cd9b3ed4-4fc3-42e0-84c4-84b1f254258d
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	9581.8	0.6726	0.00007020	0.6757	0.0	0.00654	0.000	
Methane	884774.4	79.0031	0.00008929	79.3621	803.4	0.43959	0.000	
CO2	2606.3	0.1483	0.00005691	0.1490	0.0	0.00226	0.000	
Ethane	200029.6	11.1091	0.00005554	11.1596	197.9	0.11586	2.995	
H2S	0.0	0.0001	0.00000000	0.0001	0.0	0.00000	0.000	
Propane	114102.5	4.6048	0.00004036	4.6257	116.7	0.07043	1.279	
iso-butane	46547.9	0.8002	0.00001719	0.8038	26.2	0.01613	0.264	
n-Butane	91911.2	1.5786	0.00001717	1.5857	51.8	0.03182	0.502	
iso-pentane	29274.2	0.4377	0.00001495	0.4397	17.6	0.01095	0.161	
n-Pentane	31831.3	0.4682	0.00001471	0.4704	18.9	0.01172	0.171	
hexanes	30118.0	0.3533	0.00001173	0.3549	16.9	0.01056	0.146	
heptanes	23252.0	0.2201	0.00000947	0.2211	12.2	0.00765	0.102	
octanes	15392.0	0.1220	0.00000793	0.1226	7.7	0.00484	0.063	
nonanes+	4217.0	0.0295	0.00000698	0.0296	2.1	0.00131	0.017	
Total:		99.5476		100.0000	1271.5	0.72965	5.700	

Results Summary

Result	Dry	Sat.	
Total Un-Normalized Mole%	99.5476		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Flowing Temperature (Deg. F)	81.0		
Flowing Pressure (psia)	88.0		
Gross Heating Value (BTU / Ideal cu.ft.)	1271.5	1249.3	
Gross Heating Value (BTU / Real cu.ft.)	1276.2	1254.5	
Relative Density (G), Real	0.7320	0.7305	

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status	
Total un-normalized amount	99.5476	97.0000	103.0000	Pass	

District I1625 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 61914

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 61914
	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	[30-015-43586] EAST PECOS FEDERAL COM 22 #014H
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	80
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	10
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	12:00 PM
Time venting and/or flaring was terminated	10:45 PM
Cumulative hours during this event	11

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

Natural Gas Flared (Mcf) Details	Cause: Repair and Maintenance Gas Compressor Station Natural Gas Flared Released: 98 Mcf Recovered: 0 Mcf Lost: 98 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

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	Action Number: 61914
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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