

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 22-3H (62431285) 2
Effective/Start Date	07-01-19 00:00
WELL NAME	0
Laboratory	T COLWELL
Analyzer Type	NAT. GAS ANALYZER
Analyzer Make & Model	AGILENT , 490
Last Calibration/Validation Date	6-18-19
Air Temperature	100
Heat Tracing	Heated Hose & Gasifier
Type of Sample	spot-portable GC
Sampling Method	fill and empty
Company Collecting Sample	AKM Measurement
Method Name	AKM C9.met
Injection Date	2019-06-20 12:38:16
Report Date	2019-06-20 12:45:37
EZReporter Configuration File	BLM Onshore.Extended.GPA 2145-16.FlowCal.cfgx
Source Data File	EAST PECOS 22-3H (62431285) 23397.dat
NGA Phys. Property Data Source	GPA Standard 2145-16 (FPS)
Data Source	Agilent EZChrom 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	1042580.0	1.2400	0.00000119	1.2407	0.0	0.01200	0.000	
Methane	52838491.0	77.0100	0.00000146	77.0562	780.1	0.42681	0.000	
CO2	174382.0	0.1780	0.00000102	0.1781	0.0	0.00271	0.000	
Ethane	12452966.0	11.7590	0.00000094	11.7661	208.7	0.12216	3.158	
H2S	0.0	0.0000	0.00000000	0.0000	0.0	0.00000	0.000	
Propane	8631470.0	6.5850	0.00000076	6.5890	166.2	0.10032	1.822	
iso-butane	1143576.0	0.6410	0.00000056	0.6414	20.9	0.01287	0.211	
n-Butane	2822510.0	1.5310	0.00000054	1.5319	50.1	0.03074	0.485	
iso-pentane	688421.0	0.3430	0.00000050	0.3432	13.8	0.00855	0.126	
n-Pentane	762397.0	0.3560	0.00000047	0.3562	14.3	0.00887	0.130	
hexanes	295795.0	0.1220	0.00000041	0.1221	5.8	0.00363	0.050	
heptanes	300423.0	0.1090	0.00000036	0.1091	6.0	0.00377	0.051	
octanes	196493.0	0.0660	0.00000034	0.0660	4.1	0.00260	0.034	
nonanes+	649.0	0.0000	0.00000000	0.0000	0.0	0.00000	0.000	
Total:		99.9400		100.0000	1270.0	0.73504	6.065	

Results Summary

Result	Dry	Sat.	
Total Un-Normalized Mole%	99.9400		
Pressure Base (psia)	14.730		
Temperature Base	60.0		
Flowing Temperature (Deg. F)	126.0		
Flowing Pressure (psia)	189.0		
Gross Heating Value (BTU / Ideal cu.ft.)	1270.0	1247.9	
Gross Heating Value (BTU / Real cu.ft.)	1274.7	1253.0	
Relative Density (G), Real	0.7374	0.7358	

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status	
Total un-normalized amount	99.9400	97.0000	103.0000	Pass	

District I

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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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 39657

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 39657
	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	EAST PECOS FEDERAL 22 #3H
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	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.

Date(s) and Time(s)

Date venting or flaring was discovered or commenced	08/01/2021
Time venting or flaring was discovered or commenced	11:45 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	08/01/2021
Time venting or flaring was terminated	02:15 PM
Total duration of venting or flaring in hours, if venting or flaring has terminated	3
Longest duration of cumulative hours within any 24-hour period during this event	3

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: 111 Mcf Recovered: 0 Mcf Lost: 111 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.	True
Please explain reason for why this event was beyond your operator's control	Maxed out howard plant and line pressure increased. Have to offload gas to ETC.
Steps taken to limit the duration and magnitude of venting or flaring	Offloaded gas to ETC.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Offloaded gas to ETC.

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CONDITIONS

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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.	8/3/2021