RGas Composition and Properties

Effective February 1, 2021 08:00 - January 18, 2038 21:14

Source #: 62459215

Name: CAVERN 16 STATE 1



Component	Mole %	Liquid Content	Mass %	Property	Total Sample	C9 Plus Fraction
Carbon Dioxide, CO2	0.3935		0.8769	Pressure Base	14.730	
Nitrogen, N2	0.9669		1.3715	Temperature Base	60.00	
Methane, C1	82.9326		67.3654	HCDP @ Sample Pressure		
Ethane, C2	9.8507	2.6420	14.9977	Cricondentherm		
Propane, C3	3.3841	0.9350	7.5557	HV, Dry @ Base P, T	1189.92	
iso-Butane, iC4	0.5743	0.1885	1.6901	HV, Sat @ Base P, T	1169.66	
n-Butane, nC4	1.2506	0.3954	3.6804	HV, Sat @ Sample P, T	0.00	
iso-Pentane, iC5	0.2777	0.1018	1.0145	Relative Density	0.6837	
n-Pentane, nC5	0.2767	0.1006	1.0108			
Neo-Pentane, NeoC5						
Hexanes, C6	0.0549	0.0226	0.2395			
Heptanes, C7	0.0230	0.0230	0.1167			
Octanes, C8	0.0100	0.0051	0.0578			
Nonanes Plus, C9+	0.0030	0.0017	0.0195			
Water, H2O Hydrogen Sulfide, H2S Oxygen, O2	0.0020		0.0035			
Carbon Monoxide, CO Hydrogen, H2 Helium, He						
Argon, Ar				C9+:		

100.0000

Sample

Date: 02/25/2021 400.0 Pressure: 57.0 Type: Spot Temperature:

100.0000

Totals

lbs/mm H2O: Tech: ppm

H2S:

4.4170

Remarks:

Analysis

Date: 02/25/2021 Instrument:

Cylinder:

Tech:

Remarks:

<u>District I</u> 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

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 38774

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	38774
	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 addional 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 vi	nting or flaring that is or may be a major or minor release under			
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 occuring at a facility that does not have an Facility ID (f#) yet.		
Facility or Site Name	CAVERN STATE 16 #1H	
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	83		
Nitrogen (N2) percentage, if greater than one percent	1		
Hydrogen Sulfide (H2S) PPM, rounded up	20		
Carbon Dioxide (C02) percentage, if greater than one percent	0		
Oxygen (02) percentage, if greater than one percent	0		
If you are venting and/or flaring because of Pipeline Specification, please provide the required specification.	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 Sufide (H2S) PPM quality requirement	Not answered.		
Carbon Dioxide (C02) percentage quality requirement	Not answered.		
Oxygen (02) percentage quality requirement	Not answered.		

Date(s) and Time(s)		
Date venting or flaring was discovered or commenced	07/27/2021	
Time venting or flaring was discovered or commenced	04:30 PM	
Is the venting or flaring event complete	Yes	
Date venting or flaring was terminated	07/27/2021	
Time venting or flaring was terminated	07:15 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: Equipment Failure Gas Compressor Station Natural Gas Flared Spilled: 56 Mcf Recovered: 0 Mcf Lost: 56 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	Gas Jack compressor keeps going down, sales line is 300+psi so when it goes down we instantly go to flare.
Steps taken to limit the duration and magnitude of venting or flaring	Working with gas marketing team to get a different sales point to reduce instances of high line pressure.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Working with gas marketing team to get a different sales point to reduce instances of high line pressure.

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CONDITIONS

Action 38774

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	38774
	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.	7/30/2021