

**Gas Composition and Properties**

Effective September 1, 2021 07:00 - January 18, 2038 21:14



Source #: 14897

Name: CUSTER MOUNTAIN CM

Component	Mole %	Liquid Content	Mass %
Carbon Dioxide, CO2	0.4638		0.9828
Nitrogen, N2	1.1033		1.4882
Methane, C1	80.2202		61.9645
Ethane, C2	10.1339	2.7188	14.6718
Propane, C3	4.7153	1.3032	10.0114
iso-Butane, iC4	0.6274	0.2060	1.7558
n-Butane, nC4	1.2922	0.4087	3.6163
iso-Pentane, iC5	0.3496	0.1283	1.2145
n-Pentane, nC5	0.3546	0.1289	1.2318
Neo-Pentane, NeoC5			
Hexanes Plus, C6+	0.6497	0.2844	2.9152
Water, H2O			
Hydrogen Sulfide, H2S	0.0900		0.1477
Oxygen, O2			
Carbon Monoxide, CO			
Hydrogen, H2			
Helium, He			
Argon, Ar			
Totals	100.0000	5.1780	100.0000

Property	Total Sample	C6 Plus Fraction
Pressure Base	14.730	
Temperature Base	60.00	
HCDP @ Sample Pressure		
Cricondentherm		
HV, Dry @ Base P, T	1239.40	5129.2200
HV, Sat @ Base P, T	1217.83	
HV, Sat @ Sample P, T	1209.85	
Relative Density	0.7193	0.67671

C6+: 60 - 30 - 10

**Sample**

Date: 09/21/2021 Pressure: 11.0  
 Type: Spot Temperature: 84.0  
 Tech: BOBBY KIMBALL H2O: lbs/mm  
 H2S: 900 ppm

Remarks:

**Analysis**

Date: 09/23/2021 Instrument:  
 Cylinder:  
 Tech: CDW

Remarks:

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\*\*\* End of Report \*\*\*

## Purge Time Calculation

Diameter (in inches).....	<b>16</b>	RECOMMENDED PURGE TIME	<b>76</b>
Length (in miles).....	<b>19.187</b>	ACTUAL PURGE TIME (in min)	<b>20</b>
Pipeline Pressure (psia)	<b>33</b>	VOLUME OF PURGE GAS (Mcf)	<b>266</b>
Blowdown Size (valve).....	<b>6</b>		
K (Blowoff Coefficient).....	<b>24.00</b>		

**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 51774

**QUESTIONS**

Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID: 371183
	Action Number: 51774
	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	Not answered.
Incident Facility	[fAPP2123149329] ETC NGGS

**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	No
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	Not answered.
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	900
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	09/17/2021
Time venting and/or flaring was discovered or commenced	03:40 PM
Time venting and/or flaring was terminated	04:00 PM
Cumulative hours during this event	0

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

Natural Gas Vented (Mcf) Details	Cause: Commissioning to Purge   Pipeline (Any)   Natural Gas Vented   Released: 266 Mcf   Recovered: 0 Mcf   Lost: 266 Mcf
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Natural Gas Flared (Mcf) Details	Not answered.
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	Not answered.
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.	True
Please explain reason for why this event was beyond your operator's control	Corrosion of the line segment caused 120-ft of the line to be replaced. After replacement, the line had to be purged to put it back in service.
Steps taken to limit the duration and magnitude of venting and/or flaring	The line was purged as efficiently and safely as possible.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Not applicable - corrosion of pipelines is a common occurrence in the industry.

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CONDITIONS  
  
Action 51774

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Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID: 371183
	Action Number: 51774
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
cblackaller	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.	9/24/2021