

**Gas Composition and Properties**

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



Source #: 59793

Name: MCDONALD A-C 2 BATT CDP

Component	Mole %	Liquid Content	Mass %
Carbon Dioxide, CO2	0.8430		1.6212
Nitrogen, N2	10.2065		12.4938
Methane, C1	68.9443		48.3304
Ethane, C2	9.3766	2.5159	12.3201
Propane, C3	5.0226	1.3883	9.6778
iso-Butane, iC4	0.6837	0.2245	1.7364
n-Butane, nC4	1.8654	0.5900	4.7377
iso-Pentane, iC5	0.5072	0.1861	1.5990
n-Pentane, nC5	0.6292	0.2288	1.9837
Neo-Pentane, NeoC5			
Hexanes Plus, C6+	1.0215	0.4472	4.1596
Water, H2O			
Hydrogen Sulfide, H2S	0.9000		1.3403
Oxygen, O2			
Carbon Monoxide, CO			
Hydrogen, H2			
Helium, He			
Argon, Ar			
Totals	100.0000	5.5800	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	1176.50	
HV, Sat @ Base P, T	1156.02	
HV, Sat @ Sample P, T	1162.26	
Relative Density	0.7926	

C6+: 60 - 30 - 10

**Sample**

Date: 05/06/2021 Pressure: 16.3  
 Type: Spot Temperature: 69.5  
 Tech: MONTY OGLESBY H2O: lbs/mm  
 H2S: 9,000 ppm

Remarks:

**Analysis**

Date: 05/10/2021 Instrument:  
 Cylinder:  
 Tech: DMA

Remarks:

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

## Purge Time Calculation

Diameter (in inches).....	<b>16</b>	RECOMMENDED PURGE TIME	<b>254</b>
Length (in miles).....	<b>12.640</b>	ACTUAL PURGE TIME (in min)	<b>40</b>
Pipeline Pressure (psia)	<b>33</b>	VOLUME OF PURGE GAS (Mcf)	<b>66</b>
Blowdown Size (valve).....	<b>2</b>		
K (Blowoff Coefficient).....	<b>3.00</b>		

**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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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 32464

**QUESTIONS**

Operator:	ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID:	371183
		Action Number:	32464
		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.
<b>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 19.13.29 NMAC.</b>	
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	Trunk M Pipeline
Facility Type	Pipeline - Gas Gathering - (PGG)

**Equipment Involved**

Primary Equipment Involved	Pipeline (Any)
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	69
Nitrogen (N2) percentage, if greater than one percent	10
Hydrogen Sulfide (H2S) PPM, rounded up	9,000
Carbon Dioxide (CO2) percentage, if greater than one percent	0
Oxygen (O2) percentage, if greater than one percent	0
<b>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</b>	
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	06/10/2021
Time venting or flaring was discovered or commenced	09:30 PM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	06/10/2021
Time venting or flaring was terminated	10:00 PM
Total duration of venting or flaring in hours, if venting or flaring has terminated	0
Longest duration of cumulative hours within any 24-hour period during this event	0

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

Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Commissioning to Purge   Pipeline (Any)   Natural Gas Flared   Spilled: 66 Mcf   Recovered: 0 Mcf   Lost: 66 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	Not answered.
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	The line segment had to be purged after repair in order to put the line back into service.
Steps taken to limit the duration and magnitude of venting or flaring	The line was purged as efficiently and safely as possible.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Not applicable. The line was required to be purged in order to put it back into service after repair.

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CONDITIONS  
  
Action 32464

CONDITIONS

Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID: 371183
	Action Number: 32464
	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.	6/17/2021