

# Gas Composition and Properties

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



Source #: 63585

Name: G M CONE B-1 A-1

Component	Mole %	Liquid Content	Mass %	Property	Total Sample
Carbon Dioxide (CO2)	0.0901		0.1905	Pressure Base	14.73
Nitrogen (N2)	1.7077		2.2985	Temperature Base	60
Methane (C1)	81.0657		62.4840	HCDP @ Sample Pressure	
Ethane (C2)	8.9484	2.4008	12.9278	Cricondenthem	
Propane (C3)	4.4924	1.2416	9.5177	HV, Dry @ Base P, T	1242.83
Isobutane (IC4)	0.4494	0.1475	1.2550	HV, Sat @ Base P, T	1221.20
n-Butane (NC4)	1.3959	0.4415	3.8981	HV, Sat @ Sample P, T	1232.23
Isopentane (IC5)	0.3614	0.1326	1.2528	Relative Density	0.7208
n-Pentane (NC5)	0.4859	0.1767	1.6844		
Neopentane (neo)					
Hexanes Plus (C6+)	1.0031	0.4391	4.4912		
Argon (Ar)					
Carbon Monoxide (CO)					
Hydrogen (H2)					
Oxygen (O2)					
Helium (He)					
Water (H2O)					
Hydrogen Sulfide (H2S)	0.0000		0.0000	C6+: 60 - 30 - 10	
<b>Totals</b>	<b>100.0000</b>	<b>4.9810</b>	<b>100.0000</b>		

## Sample

Date: 02/09/2021

Type: Spot

Tech: TROY ADAMS

Pressure:

21.9 psi

Temp.:

64 °F

Gauge:

Gauge

H2O:

Atm. Pressure:

13.2 psi

H2S:

0 ppm

Remarks:

## Analysis

Date: 02/18/2021

Instrument:

Cylinder:

Tech: MGN

Remarks:

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

**Purge Calculation**

Purge Timeline:      Date (m/dd/yy)      Time (hr:mm)      Duration (in min):

11/23/2021	17:00	10.00
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Purge Location:      Latitude:      Longitude:      Location Detail:

32.584084	103.116109	Outside a Fenced Facility
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Purge Location Desc:

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Pipe Diam. (in inches):      6.0      Was Gas Flared?      Yes

Length (in feet):      9077.0      Was Gas Metered?      No

Pipeline Press. (psig):      10.0

Blowdown Size (valve):      4.0      Purge Gas (Mcf):      52.2

**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 65329

**QUESTIONS**

Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID: 371183
	Action Number: 65329
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b> <i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident Well	Not answered.
Incident Facility	[fAPP2123149329] ETC NGGS

<b>Determination of Reporting Requirements</b> <i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
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.
<i>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.</i>	
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

<b>Equipment Involved</b>	
Primary Equipment Involved	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b> <i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	81
Nitrogen (N2) percentage, if greater than one percent	2
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
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
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.

<b>Date(s) and Time(s)</b>	
Date venting and/or flaring was discovered or commenced	11/23/2021
Time venting and/or flaring was discovered or commenced	05:00 PM
Time venting and/or flaring was terminated	05:10 PM
Cumulative hours during this event	0

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

Natural Gas Flared (Mcf) Details	Cause: Commissioning to Purge   Pipeline (Any)   Natural Gas Flared   Released: 52 Mcf   Recovered: 0 Mcf   Lost: 52 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	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	It was necessary to purge the line after the segment was repaired (due to corrosion).
Steps taken to limit the duration and magnitude of venting and/or flaring	The line was purged as safely and efficiently as possible.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Not applicable - the line had to be purged to put it back in service after repairs were necessary due to corrosion which is a common occurrence in the industry.

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CONDITIONS  
  
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Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID: 371183
	Action Number: 65329
	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.	12/7/2021