

# Gas Composition and Properties

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



Source #: 57152

Name: RATTLESNAKE FED #6 CDP

Component	Mole %	Liquid Content	Mass %
Carbon Dioxide (CO2)	0.8532		1.6547
Nitrogen (N2)	4.5641		5.6345
Methane (C1)	72.8230		51.4842
Ethane (C2)	10.5489	2.8315	13.9784
Propane (C3)	6.0321	1.6679	11.7219
Isobutane (IC4)	0.8492	0.2789	2.1751
n-Butane (NC4)	2.0969	0.6635	5.3710
Isopentane (IC5)	0.6540	0.2400	2.0794
n-Pentane (NC5)	0.5856	0.2130	1.8619
Neopentane (neo)			
Hexanes Plus (C6+)	0.9780	0.4283	4.0164
Argon (Ar)			
Carbon Monoxide (CO)			
Hydrogen (H2)			
Oxygen (O2)			
Helium (He)			
Water (H2O)			
Hydrogen Sulfide (H2S)	0.0150		0.0225
<b>Totals</b>	<b>100.0000</b>	<b>6.3220</b>	<b>100.0000</b>

Property	Total Sample
Pressure Base	14.73
Temperature Base	60
HCDP @ Sample Pressure	
Cricondentherm	
HV, Dry @ Base P, T	1277.70
HV, Sat @ Base P, T	1255.46
HV, Sat @ Sample P, T	1261.67
Relative Density	0.7862

C6+: 60 - 30 - 10

## Sample

Date: 08/22/2021

Type: Spot

Tech: MATT BARTA

Pressure:

58.0 psi

Temp.:

98 °F

Gauge:

Gauge

H2O:

Atm. Pressure:

13.2 psi

H2S:

150 ppm

Remarks:

## Analysis

Date: 09/03/2021

Instrument:

Cylinder:

Tech: MGN

Remarks:

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

**Pipeline Blow Down**

Blowdown Timeline: Date (m/dd/yy) 11/8/2021 Time (hr:mm) 16:00 Duration (in min): 60.00

Blowdown Location: Latitude: 32.064967 Longitude: -103.214157 Location Detail: **Outside a Fenced Facility**

Blowdown Location Desc:

	Notes	Inside Diameter	Miles	Feet	Volume (Cu Ft)
1		16.0000	20.00		147,445.42
2					
3					
Equivalent Diameter:		16.0000	Total Length:	105,600	147,445.42

Start Pressure (psig): 30.0 End Pressure (psig):

Start Temperature (Deg F): 70.0 End Temperature (Deg F):

Specific Gravity: 0.750 End Volume (MCF): 0.00

Start Volume (MCF): 427.0

Was Gas Flared? Yes Total Blowdown (Mcf): 427.0

**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 62095

**QUESTIONS**

Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID: 371183
	Action Number: 62095
	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	73
Nitrogen (N2) percentage, if greater than one percent	5
Hydrogen Sulfide (H2S) PPM, rounded up	150
Carbon Dioxide (CO2) percentage, if greater than one percent	1
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	11/08/2021
Time venting and/or flaring was discovered or commenced	04:00 PM
Time venting and/or flaring was terminated	05:00 PM
Cumulative hours during this event	1

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

Natural Gas Vented (Mcf) Details	Not answered.
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Natural Gas Flared (Mcf) Details	Cause: Repair and Maintenance   Pipeline (Any)   Natural Gas Flared   Released: 427 Mcf   Recovered: 0 Mcf   Lost: 427 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	Part of the line was needing repair, therefore the line had to be blown-down.
Steps taken to limit the duration and magnitude of venting and/or flaring	The line was blown-down as safely and efficiently as possible.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Not applicable - the line required repairs/replacement, therefore the line had to be blown-down.

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CONDITIONS  
  
Action 62095

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Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID: 371183
	Action Number: 62095
	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.	11/16/2021