

# Gas Composition and Properties

Effective October 1, 2020 07:00 - January 18, 2038 21:14



Source #: 59962

Name: COTTON DRAW #67

Component	Mole %	Liquid Content	Mass %	Property	Total Sample
Carbon Dioxide (CO2)	0.2156		0.4474	Pressure Base	14.73
Nitrogen (N2)	3.3056		4.3668	Temperature Base	60
Methane (C1)	76.7336		58.0506	HCDP @ Sample Pressure	
Ethane (C2)	10.8389	2.9081	15.3693	Cricondenthem	
Propane (C3)	5.6236	1.5543	11.6939	HV, Dry @ Base P, T	1234.57
Isobutane (IC4)	0.6627	0.2176	1.8164	HV, Sat @ Base P, T	1213.08
n-Butane (NC4)	1.5708	0.4968	4.3054	HV, Sat @ Sample P, T	1232.90
Isopentane (IC5)	0.3348	0.1228	1.1391	Relative Density	0.7344
n-Pentane (NC5)	0.3309	0.1203	1.1258		
Neopentane (neo)					
Hexanes Plus (C6+)	0.3835	0.1679	1.6853		
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>5.5880</b>	<b>100.0000</b>		

## Sample

Date: 10/27/2020

Type: Spot

Tech: BOBBY KIMBALL

Pressure:

50.0 psi

Temp.:

31 °F

Gauge:

Gauge

H2O:

Atm. Pressure:

13.2 psi

H2S:

0 ppm

Remarks:

## Analysis

Date: 10/30/2020

Instrument:

Cylinder:

Tech: MGN

Remarks:

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

**Purge Calculation**

Purge Timeline:	Date (m/dd/yy): 4/26/2022	Time (hr:mm): 17:00	Duration (in min): 15.00
Purge Location:	Latitude: 32.1351512	Longitude: 103.718738	Location Detail: Outside a Fenced Facility
Purge Location Desc:	Cotton Draw Riser		
Pipe Diam. (in inches):	10.0	Was Gas Flared?	Yes
Length (in feet):	25658.0	Was Gas Metered?	No
Pipeline Press. (psig):	55.0		
Blowdown Size (valve):	2.0	Purge Gas (Mcf):	51.2

**Pipeline Blow Down**

Blowdown Timeline:	Date (m/dd/yy): 4/25/2022	Time (hr:mm): 18:30	Duration (in min): 120.00
Blowdown Location:	Latitude: 32.1351512	Longitude: 103.718738	Location Detail: Outside a Fenced Facility
Blowdown Location Desc:	Cotton Draw Riser		
Notes	Inside Diameter	Miles	Feet
1	10.0000	4.90	
2			
3			
Equivalent Diameter:	10.0000	Total Length:	25,872
Start Pressure (psig):	50.0	End Pressure (psig):	0.0
Start Temperature (Deg F):	55.0	End Temperature (Deg F):	55.0
Specific Gravity:	0.750	End Volume (MCF):	0.00
Start Volume (MCF):	61.9		
Was Gas Flared?	Yes	Total Blowdown (Mcf):	61.9

**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**

DEFINITIONS

Action 105579

DEFINITIONS

Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID: 371183
	Action Number: 105579
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application: <ul style="list-style-type: none"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul>
--

**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 105579

**QUESTIONS**

Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID: 371183
	Action Number: 105579
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b>	
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

<b>Determination of Reporting Requirements</b>	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.	
Was this vent or flare caused by an emergency or malfunction	Yes
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a vent or flare 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 at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this vent or flare result in the release of <b>ANY</b> 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 vent or flare 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>	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	77
Nitrogen (N2) percentage, if greater than one percent	3
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
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.

**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, Page 2

Action 105579

QUESTIONS (continued)

Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID: 371183
	Action Number: 105579
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	04/26/2022
Time vent or flare was discovered or commenced	05:00 PM
Time vent or flare was terminated	05:15 PM
Cumulative hours during this event	1

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   Released: 51 Mcf   Recovered: 0 Mcf   Lost: 51 Mcf
Other Released Details	Cause: Repair and Maintenance   Pipeline (Any)   Natural Gas Flared   Released: 62 Mcf   Recovered: 0 Mcf   Lost: 62 Mcf
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 this vent or flare a result of downstream activity	No
Was notification of downstream activity received by this operator	Not answered.
Downstream OGRID that should have notified this operator	Not answered.
Date notified of downstream activity requiring this vent or flare	Not answered.
Time notified of downstream activity requiring this vent or flare	Not answered.

Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control.	True
Please explain reason for why this event was beyond this operator's control	The line had to be blown-down in order to perform maintenance. The line then had to be purged once maintenance was completed in order to put it back in service.
Steps taken to limit the duration and magnitude of vent or flare	The line was blown-down/purged as efficiently and safely as possible.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Not applicable - this is a common industry practice in order to repair pipelines.

**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**

ACKNOWLEDGMENTS

Action 105579

**ACKNOWLEDGMENTS**

Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID: 371183
	Action Number: 105579
	Action Type: [C-129] Venting and/or Flaring (C-129)

**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a <b>complete</b> C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
<input checked="" type="checkbox"/>	I hereby certify the statements in this report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.
<input checked="" type="checkbox"/>	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
<input checked="" type="checkbox"/>	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

**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

CONDITIONS

Action 105579

CONDITIONS

Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID: 371183
	Action Number: 105579
	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.	5/10/2022