

# Gas Composition and Properties

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



Source #: 68199

Name: J L ISBELL #6

Component	Mole %	Liquid Content	Mass %	Property	Total Sample
Carbon Dioxide (CO2)	0.7509		1.5449	Pressure Base	14.73
Nitrogen (N2)	1.2233		1.6020	Temperature Base	60
Methane (C1)	77.4358		58.0732	HCDP @ Sample Pressure	
Ethane (C2)	11.3931	3.0573	16.0149	Cricondenthem	
Propane (C3)	5.1794	1.4318	10.6767	HV, Dry @ Base P, T	1259.89
Isobutane (IC4)	0.7051	0.2315	1.9158	HV, Sat @ Base P, T	1237.96
n-Butane (NC4)	1.6031	0.5071	4.3558	HV, Sat @ Sample P, T	1207.42
Isopentane (IC5)	0.3915	0.1437	1.3205	Relative Density	0.7410
n-Pentane (NC5)	0.4227	0.1537	1.4257		
Neopentane (neo)					
Hexanes Plus (C6+)	0.5951	0.2606	2.5925		
Argon (Ar)					
Carbon Monoxide (CO)					
Hydrogen (H2)					
Oxygen (O2)					
Helium (He)					
Water (H2O)					
Hydrogen Sulfide (H2S)	0.3000		0.4780	C6+: 60 - 30 - 10	
<b>Totals</b>	<b>100.0000</b>	<b>5.7870</b>	<b>100.0000</b>		

## Sample

Date: 10/19/2021

Type: Spot

Tech: BOBBY KIMBALL

Pressure:

11.0 psi

Temp.:

102 °F

Gauge:

Gauge

H2O:

Atm. Pressure:

13.2 psi

H2S:

3,000 ppm

Remarks:

## Analysis

Date: 10/21/2021

Instrument:

Cylinder:

Tech: CDW

Remarks: Producer asked for a resample, Colin B

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

**Gas Release Calc. (Leak, Relief Vlv, etc.)**

Hole or Rip/Gouge?:	Hole
Length (in inches):	
Width (in inches):	
Diameter (in inches):	0.250
Pressure (psig):	10.0
Temperature (Deg F):	70.0

Specific Gravity:	0.750
Pipeline Diameter:	4.000
Equivalent Diameter:	0.250
Release Rate (MCF/Hour):	1.2
<b>Discovery to Repair (Mcf):</b>	<b>172.5</b>
<b>Estimated Total Lost (Mcf):</b>	<b>172.5</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**

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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 58578

**QUESTIONS**

Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID: 371183
	Action Number: 58578
	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 or is this venting and/or flaring caused by an emergency or malfunction	Yes
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

<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	1
Hydrogen Sulfide (H2S) PPM, rounded up	3,000
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.

<b>Date(s) and Time(s)</b>	
Date venting and/or flaring was discovered or commenced	10/21/2021
Time venting and/or flaring was discovered or commenced	10:00 AM
Time venting and/or flaring was terminated	10:00 AM
Cumulative hours during this event	0

<b>Measured or Estimated Volume of Vented or Flared Natural Gas</b>	
Natural Gas Vented (Mcf) Details	Cause: Corrosion   Pipeline (Any)   Natural Gas Vented   Released: 172 Mcf   Recovered: 0 Mcf   Lost: 172 Mcf

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	The release was a result of corrosion of the line segment, which is a common occurrence in the industry.
Steps taken to limit the duration and magnitude of venting and/or flaring	The segment was repaired as safely and efficiently as possible.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Not applicable - the release was a result of corrosion, which is a common occurrence in the industry.

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CONDITIONS  
  
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	Action Number: 58578
	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.	10/29/2021