

Gas Composition and Properties

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



Source #: 58851
Name: FARNEY #4

Component	Mole %	Liquid Content	Mass %
Carbon Dioxide, CO2	0.8388		1.5999
Nitrogen, N2	1.4962		1.8166
Methane, C1	73.2959		50.9622
Ethane, C2	11.7225	3.1477	15.2769
Propane, C3	6.7197	1.8588	12.8422
iso-Butane, iC4	0.9941	0.3266	2.5042
n-Butane, nC4	2.3128	0.7321	5.8261
iso-Pentane, iC5	0.7320	0.2688	2.2889
n-Pentane, nC5	0.7017	0.2554	2.1942
Neo-Pentane, NeoC5			
Hexanes Plus, C6+	1.1463	0.5022	4.6297
Water, H2O			
Hydrogen Sulfide, H2S	0.0400		0.0591
Oxygen, O2			
Carbon Monoxide, CO			
Hydrogen, H2			
Helium, He			
Argon, Ar			
Totals	100.0000	7.0920	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	1349.69	
HV, Sat @ Base P, T	1326.20	
HV, Sat @ Sample P, T	1343.86	
Relative Density	0.7997	

C6+: 60 - 30 - 10

Sample	Pressure:	13.5
Date: 01/20/2021	Temperature:	38.6
Type: Spot	H2O:	lbs/mm
Tech: Doug Harrison	H2S:	400 ppm
Remarks:		

Analysis	Instrument:
Date: 01/27/2021	Cylinder:
Tech: MGN	
Remarks:	

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*** End of Report ***

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

ENTER NUMBERS ONLY

Hole Diameter (ID):	<input type="text" value="0.50"/>
Gauge Pressure:	<input type="text" value="20.0"/>
Length of Time (Hrs):	<input type="text" value="48.0"/>

Total Mcf Lost	<input type="text" value="282.7"/>
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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 47051

QUESTIONS

Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID: 371183
	Action Number: 47051
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites	
<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

Determination of Reporting Requirements	
<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	Yes
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

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	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	73
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	400
Carbon Dioxide (CO2) percentage, if greater than one percent	1
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.

Date(s) and Time(s)	
Date venting and/or flaring was discovered or commenced	08/25/2021
Time venting and/or flaring was discovered or commenced	11:00 AM
Time venting and/or flaring was terminated	04:30 PM
Cumulative hours during this event	48

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Corrosion Pipeline (Any) Natural Gas Vented Released: 283 Mcf Recovered: 0 Mcf Lost: 283 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 pipeline segment.
Steps taken to limit the duration and magnitude of venting and/or flaring	The line was repaired as efficiently and safely as possible in order to stop the release.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Not applicable - corrosion of pipelines is a normal industry occurrence.

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CONDITIONS
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	Action Number: 47051
	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.	9/8/2021