

Gas Composition and Properties

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



Source #: 57087
Name: PADDOCK #6777

Component	Mole %	Liquid Content	Mass %
Carbon Dioxide, CO2	1.6244		3.4385
Nitrogen, N2	2.4187		3.2589
Methane, C1	79.3667		61.2406
Ethane, C2	9.6206	2.5807	13.9140
Propane, C3	4.1034	1.1339	8.7030
iso-Butane, iC4	0.4825	0.1584	1.3489
n-Butane, nC4	1.0519	0.3326	2.9407
iso-Pentane, iC5	0.2607	0.0956	0.9047
n-Pentane, nC5	0.2627	0.0955	0.9116
Neo-Pentane, NeoC5			
Hexanes Plus, C6+	0.7084	0.3101	3.1752
Water, H2O			
Hydrogen Sulfide, H2S	0.1000		0.1639
Oxygen, O2			
Carbon Monoxide, CO			
Hydrogen, H2			
Helium, He			
Argon, Ar			
Totals	100.0000	4.7080	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	1189.02	5129.2200
HV, Sat @ Base P, T	1168.33	
HV, Sat @ Sample P, T	1174.53	
Relative Density	0.7199	0.67671

C6+: 60 - 30 - 10

Sample

Date: 12/01/2020 Pressure: 15.1
Type: Spot Temperature: 68.5
Tech: MONTY OGLESBY H2O: lbs/mm
H2S: 1,000 ppm

Remarks:

Analysis

Date: 12/08/2020 Instrument:
Cylinder:
Tech: CDW

Remarks:

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*** End of Report ***

Purge Time Calculation

Diameter (in inches).....	30	RECOMMENDED PURGE TIME	85
Length (in miles).....	5.465	ACTUAL PURGE TIME (in min)	30
Pipeline Pressure (psia)	31	VOLUME OF PURGE GAS (Mcf)	211
Blowdown Size (valve).....	4		
K (Blowoff Coefficient).....	13.50		

District I1625 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 44622

QUESTIONS

Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID: 371183
	Action Number: 44622
	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 notification of a major venting and/or flaring	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	79
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	1,000
Carbon Dioxide (CO2) percentage, if greater than one percent	2
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	08/12/2021
Time venting and/or flaring was discovered or commenced	03:10 PM
Time venting and/or flaring was terminated	03:40 PM
Cumulative hours during this event	0

Measured or Estimated Volume of Vented or Flared Natural Gas

Natural Gas Vented (Mcf) Details	Cause: Commissioning to Purge Pipeline (Any) Natural Gas Vented Released: 211 Mcf Recovered: 0 Mcf Lost: 211 Mcf]
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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.
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	A 50-ft section of the line was replaced. In order to put the line back in service, the line had to be purged.
Steps taken to limit the duration and magnitude of venting and/or flaring	The venting was completed as efficiently and safely as possible.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Not applicable - repairs/line replacements are sometimes necessary for optimal performance of the line. After such activities, a purge is necessary to put the line back in service.

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CONDITIONS

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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.	8/26/2021