

Line Leak Calc

Orifice Diameter	0.139 inches
Pressure	67 psig
Flyover Time/date	8/17/2021 8:56
Time/date Isolated	8/25/2021 12:00
Total Hours Blown	195.07 hours
Area of Orifice	0.015 sq. inches

Lost Gas From Line Leak 252.276 Mcf

Blowdown Calc

Length	1,675 feet
Actual Pipe OD	4.500 inches
Wall Thickness	0.156 inches
Pressure	67 psig

Lost Gas From Blowdown 0.732 Mcf

Total Gas Loss 253.01 Mcf

Lost Gas=(Orifice Diameter)^2*Pressure*Time Blown

Lost Gas=(Inside Diameter)^2*Pressure*Length*0.372/1000000

Result Molecular Percent in Gas - C1	83.35185
Result Molecular Percent in Gas - C2	8.501773
Result Molecular Percent in Gas - C3	2.142865
Result Molecular Percent in Gas - C4I	0.401206
Result Molecular Percent in Gas - C4N	0.545581
Result Molecular Percent in Gas - C5I	0.205002
Result Molecular Percent in Gas - C5N	0.159862
Result Molecular Percent in Gas - C6N	0.24223
Result Molecular Percent in Gas - C7N	0.121115
Result Molecular Percent in Gas - C8N	0.040371
Result Molecular Percent in Gas - CO2	4.070038
Result Molecular Percent in Gas - N2	0.21811

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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 46735

QUESTIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 46735
	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	[fAPP2123053718] Harvest Four Corners - Kutz System

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	Yes
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 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	Pipeline (Any)
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	83
Nitrogen (N2) percentage, if greater than one percent	0
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	4
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	08/25/2021
Time venting and/or flaring was discovered or commenced	11:00 AM
Time venting and/or flaring was terminated	12:00 PM
Cumulative hours during this event	195

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Corrosion Pipeline (Any) Natural Gas Vented Released: 253 Mcf Recovered: 0 Mcf Lost: 253 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.
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	Leak discovered by aerial leak detection survey. Investigation determined the cause to be internal corrosion. Harvest could not have reasonably anticipated internal corrosion would cause a natural gas release at this location.
Steps taken to limit the duration and magnitude of venting and/or flaring	After being notified of the leak, Harvest immediately investigated. After initial investigation did not reveal leak, Harvest had contractor come out and use instrumentation to locate leak. Harvest then isolated and terminated the gas release.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Harvest replaced the leaking section of pipe with new pipe. All welds were primed and taped before the line was placed back into service.

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CONDITIONS

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	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
Icupps	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.	9/7/2021