Facility : 30" North of Eunice

Date : 9/27/2019

Enter data in shaded fields to calculate gas volumes released due to leak and blowdown of system.

Hours of leak =	5.75
Diameter of hole (inches) =	2
Upstream Pressure =	23

Volume of gas (mcf/hr)

Example:

Leak for 4 (est) hours out of a 1/4 inch hole with line presure of 750 psig loss is equal to the hole diameter squared times the upstream pressure absolute. *

Volume of Gas Leaked = 857.90 Mcf

Footage of Pipe blowndown =	6900
Initial line pressure =	23
Diameter of Pipe (inches) =	30

Calculated factor for line pack = 7.707

Example:

Loss of gas due to blowdown of 7 miles of 12 inch at initial pressure 51 psig

Volume of Gas BlownDown = 53.1753 Mcf

Total Volume of Gas Loss = 911.08 Mcf

Comments:

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* Pipeline Rules of Thumb Handbook / **2nd Edition**