

Calculation for Leak/Flare Volume

INPUT

Facility Name	=	2B-2 Pipeline	
Date	=	2/4/2019	
Hole Size *	=	1.13	Inches
Pipe Pressure	=	15	psig
Duration	=	4.75	Hrs
Heat Content	=	N/A	Btu/Ft3

EQUATIONS

Leak Rate = $(1.178) * (\text{Hole Size}^2) * (\text{Pipe Psig})$

CALCULATIONS

Leak Rate = 22.563 Mcf/Hr

Gas Loss = 107.173 Mcf

Heat Loss = N/A MMBtu