

Calculation for Leak/Flare Volume

INPUT

Facility Name	=	F-16 Pipeline	
Date	=	3/17/2019	
Hole Size *	=	1.5	Inches
Pipe Pressure	=	24	psig
Duration	=	10	Hrs
Heat Content	=	N/A	Btu/Ft3

EQUATIONS

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

CALCULATIONS

Leak Rate = 63.612 Mcf/Hr

Gas Loss = 636.120 Mcf

Heat Loss = N/A MMBtu