

Calculation for Leak/Flare Volume

INPUT

Facility Name	=	Cal A	
Date	=	12/5/2018	
Hole Size *	=	1.5	Inches
Pipe Pressure	=	59	psig
Duration	=	7	Hrs
Heat Content	=	N/A	Btu/Ft3

EQUATIONS

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

CALCULATIONS

Leak Rate = 156.380 Mcf/Hr

Gas Loss = 1,094.657 Mcf

Heat Loss = N/A MMBtu