

Calculation for Leak/Flare Volume

INPUT

Facility Name	=	Cal B	
Date	=	11/22/2018	
Hole Size *	=	0.25	Inches
Pipe Pressure	=	56	psig
Duration	=	6.2	Hrs
Heat Content	=	N/A	Btu/Ft3

EQUATIONS

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

CALCULATIONS

Leak Rate = 4.123 Mcf/Hr

Gas Loss = 25.563 Mcf

Heat Loss = N/A MMBtu