

Calculation for Leak Volume

INPUT

Facility Name	=	MF-6 Pipeline	
Date	=	10/3/2019	
Hole Size	=	0.5	Inches
Pipe Pressure	=	40	psig
Duration	=	6	Hrs

EQUATIONS

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

CALCULATIONS

Leak Rate = 11.780 Mcf/Hr

Gas Loss = 70.680 Mcf