

Calculation for Leak Volume

INPUT

Facility Name	=	Cal B	
Date	=	10/11/2019	
Hole Size	=	0.5	Inches
Pipe Pressure	=	50	psig
Duration	=	8	Hrs

EQUATIONS

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

CALCULATIONS

Leak Rate = 14.725 Mcf/Hr

Gas Loss = 117.800 Mcf