

Calculation for Leak Volume

INPUT

Facility Name	=	L-4 Pipeline	
Date	=	8/21/2019	
Hole Size	=	0.25	Inches
Pipe Pressure	=	14	psig
Duration	=	52	Hrs

EQUATIONS

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

CALCULATIONS

Leak Rate = 1.031 Mcf/Hr

Gas Loss = 53.599 Mcf