

Calculation for Leak Volume

INPUT

Facility Name	=	Trunk O Pipeline	
Date	=	8/27/2019	
Hole Size	=	0.5	Inches
Pipe Pressure	=	35	psig
Duration	=	5	Hrs

EQUATIONS

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

CALCULATIONS

Leak Rate = 10.308 Mcf/Hr

Gas Loss = 51.538 Mcf