

Calculation for Leak Volume

INPUT

Facility Name	=	O-5 Pipeline	
Date	=	7/23/2019	
Hole Size	=	1	Inches
Pipe Pressure	=	20	psig
Duration	=	5.5	Hrs

EQUATIONS

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

CALCULATIONS

Leak Rate = 23.560 Mcf/Hr

Gas Loss = 129.580 Mcf