

Calculation for Leak Volume

INPUT

Facility Name	=	4B-1 Pipeline	
Date	=	10/14/2019	
Hole Size	=	0.5	Inches
Pipe Pressure	=	40	psig
Duration	=	5	Hrs

EQUATIONS

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

CALCULATIONS

Leak Rate	=	11.780	Mcf/Hr
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Gas Loss	=	58.900	Mcf
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