

## Calculation for Leak Volume

### INPUT

Facility Name = 4A-2-5 Pipeline  
Date = 8/21/2019  
Hole Size = 2 Inches  
Pipe Pressure = 16 psig  
Duration = 3.5 Hrs

### EQUATIONS

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

### CALCULATIONS

Leak Rate = 75.392 Mcf/Hr

Gas Loss = 263.872 Mcf