

Blowdown Volume Calculation

INPUT

Facility Name
Date

Cal C Pipeline at Red Hills CS
10/3/2019

Pipe OD
Pipe WT
Pipe Pressure
Pipe Length

16.000 Inches
0.67 Inches
42 Psig
18.9 Miles

EQUATIONS

Blowdown Volume

$$\frac{(1.96) * (\text{Psig} + 14.45) * (\text{Pipe ID}^2) * (\text{miles}) * (1}{(Z * 10^6)}$$

CALCULATED

Pipe ID
Z Factor

14.660
0.989

Blowdown Volume = 457 Mcf