

## Calculation for Leak Volume

### INPUT

|               |   |           |        |
|---------------|---|-----------|--------|
| Facility Name | = | Boyd 10"  |        |
| Date          | = | 10/1/2019 |        |
| Hole Size     | = | 0.75      | Inches |
| Pipe Pressure | = | 30        | psig   |
| Duration      | = | 7         | Hrs    |

### EQUATIONS

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

### CALCULATIONS

Leak Rate = 19.879 Mcf/Hr

Gas Loss = 139.151 Mcf