

Pressure calculations based on results of

check to see if it is 1000 ft

1. Based on These Equations

2. The above results

→

$r = 4000 \text{ feet}$

$S_1 = (1 \text{ psi})(.4)$

Time (sec)	Pressure (psi)	$\frac{S_1}{S_2}$	$\frac{S_1}{S_2}$	S_1 (psi)	S_2 (psi)
1	2.992	.0132	0.121	.048	
2	1.496	.1006	.922	.369	
3	.997	.2204	2.021	.808	
4	.748	.3416	3.132	1.253	
5	.598	.4558	4.179	1.672	
6	.499	.5614	5.147	2.059	
7	.427	.6585	6.037	2.415	
8	.374	.748	6.858	2.743	
9	.332	.8308	7.617	3.047	
10	.2992	.9077	8.322	3.329	

$$u = \frac{1.87 \times 10^{-5}}{Tt}$$

$$= \frac{(1.87)(4000)(5000)}{5000 t}$$

$$= 2.992 / L(\text{sec})$$

S_1 , feet

$$= \frac{114.6 \text{ G.W.}(u)}{T}$$

$$= \frac{114.6 \times 4000 \text{ W.}(u)}{5000}$$

$$= 9.168 \text{ W.}(u)$$

.02

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