Traverse Test made on 1/3/72

$$\frac{16\text{ oz}}{7\text{ sec}} = \frac{x}{60}$$

$x = (60/7)(16) = 137$ oz/min

$137/128 = 1.07$ GPM

$Q = (1.07\text{ GPM})(2.228 \times 10^{-3}) = 2.38 \times 10^{-3}$ ft³/sec

A of 1/2" $= 0.304\text{ m}^2 = 2.1 \times 10^{-3}$ ft²

$V = Q/A = 2.38 \times 10^{-3} / 2.1 \times 10^{-3} = 1.13$ ft/sec

Indicator during test @ 16 in 60 sec

2 pumps $16{,}000{,}000/1440 = 11{,}111$ GPM

$Q = (11{,}111\text{ GPM})(2.228 \times 10^{-3}) = 24.75$ ft³/sec

$V = (24.75\text{ ft}^3/\text{sec}) \div 22.92\text{ ft}^2 = 1.08$ ft/sec

A of 1/2" plastic tube $= 1.36 \times 10^{-3}$ ft²

$V = 2.38 \times 10^{-3} / 1.36 \times 10^{-3} = 1.75$ ft/sec

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