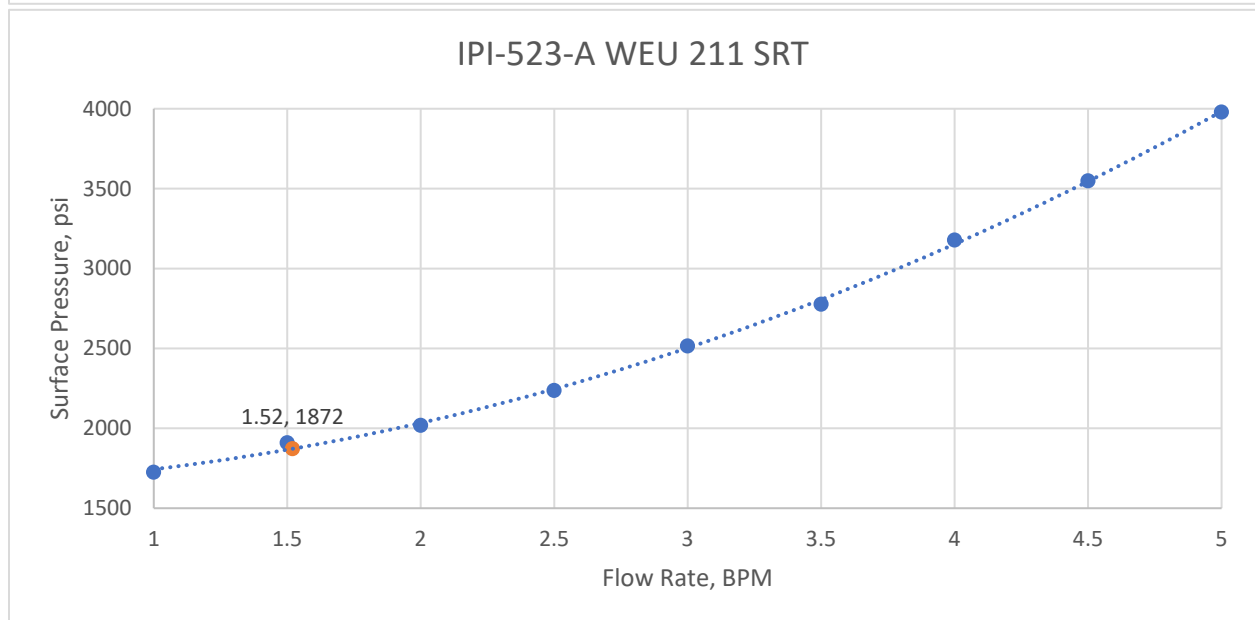
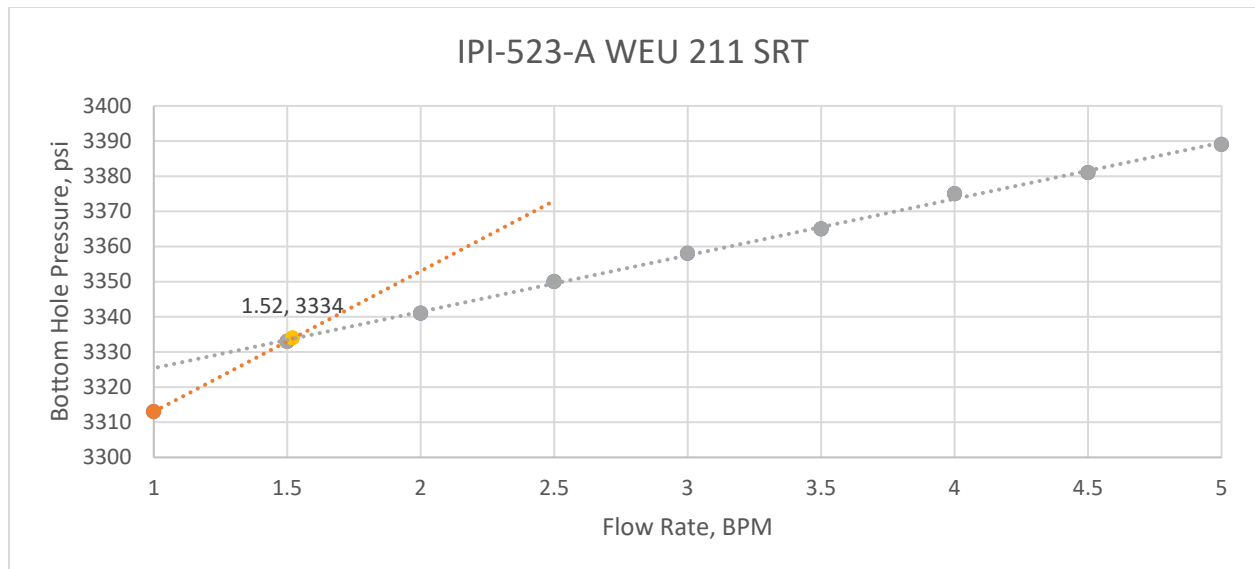




$$\text{Pressure Gradient} = \frac{\text{Fracture Pressure}}{\text{Depth}}$$

$$0.49 \frac{\text{psi}}{\text{ft}} \cong \frac{1872 \text{ psi}}{3800 \text{ ft}}$$

$$\text{MSIP} = \text{Pressure Gradient} * \text{Depth} - \text{Safety Factor}$$

$$1812 \text{ psi} = 0.49 \frac{\text{psi}}{\text{ft}} * 3800 \text{ ft} - 50 \text{ psi}$$