



$$P_{Wshear} = P_p + \frac{\overbrace{3\sigma_{Hmax} - \sigma_{hmin}}^{\text{Stress anisotropy}} - \underbrace{UCS}_{\text{Shear strength}}}{1 + q}$$

{ Pore pressure in the formation

$P_w \leq P_{Wshear}$ leads to breakouts