

# HYPOTHETICAL FRACTURE SCENARIO 1: Casing Shoe Strength Overcome (Failure Not Confined to Uncased Open Borehole)

Stage 2:  
Fracture or Cement Leak at Casing Shoe grows upward and reaches first Sand above Shoe

Adding 6.7 lb/gal Base Oil to keep well full



MUD TANK

Max Equivalent Mud Weight that can be supported by well is determined by the Lowest Fracture Pressure Gradient

