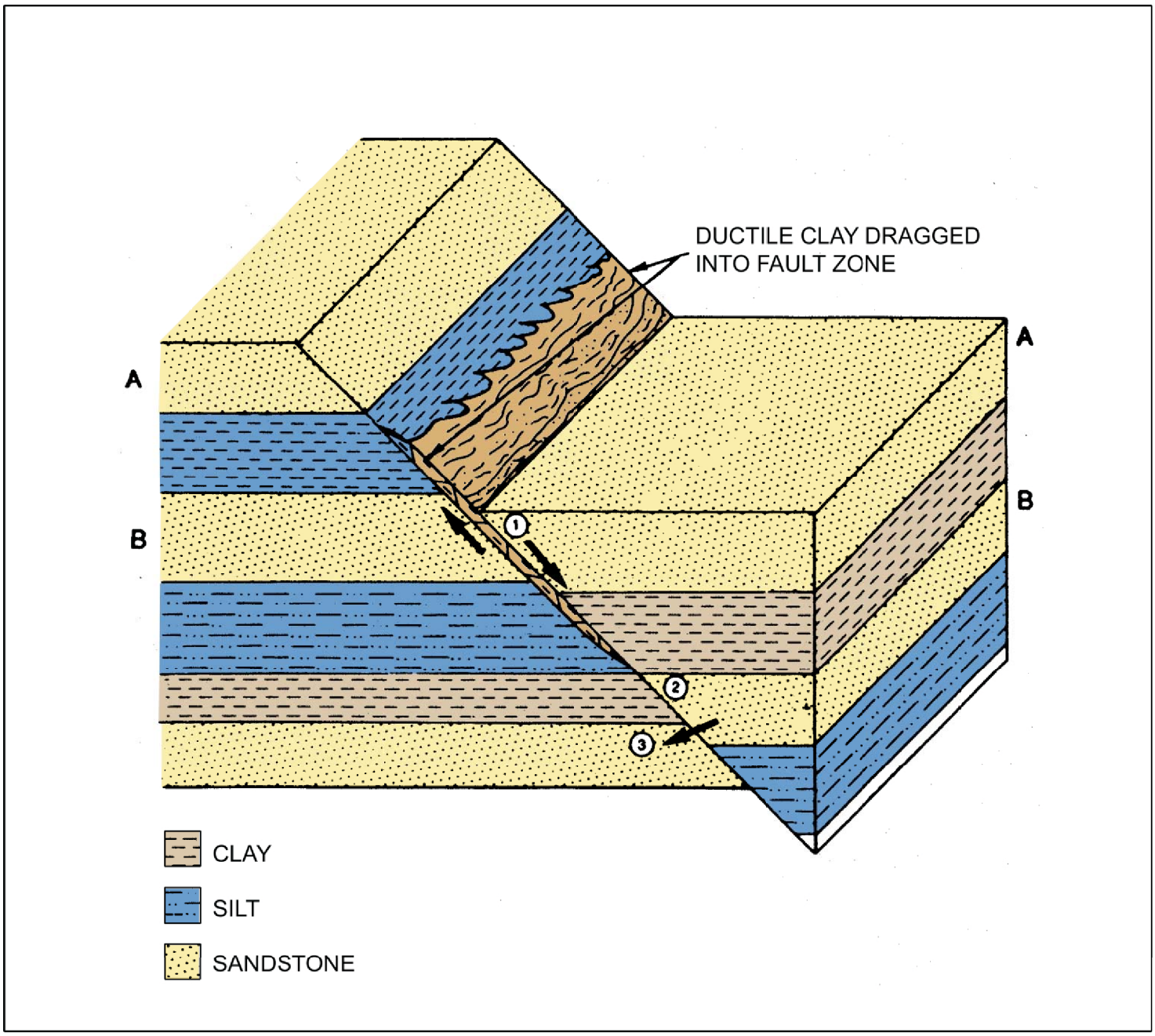

Adapted & Revised 5/05/05 ESSJ Sandia Technologies

Figure 2.55 Fault seal and non-seal (modified from Smith, 1980 and Downey, 1984)

(1) dragging of ductile clays into fault plane during faulting creates clay seal between two sandstones (A and B)

(2) juxtaposition of reservoir to impermeable clay bed

(3) sandstone-to-sandstone window, or leak in fault plane creating possible spillpoint to migrating fluids