CASING ANNULUS MANAGEMENT

Abstract of the Disclosure

[0001] A wellbore tubular 28 set concentrically between an inner an and outer annulus 32, 30 has a pressure relief valve 52 that opens when pressure in the outer annulus 30 exceeds pressure in the inner annulus 32 by an amount that can damage the tubular 28. The relief valve 52 closes and reseats when the pressure differential is reduced to below the damaging threshold. The relief valve 52 can include a spring 77 for reseating the valve 52. A pressure gauge 50 can be included within the outer annulus 30 for monitoring whether or not the relief valve 52 is operating properly.

Figure 1