WELLHEAD SYSTEM HAVING WICKER SEALING SURFACE

Abstract

A wellhead system comprising an outer wellhead housing (54), an inner wellhead member (56), and an annulus therebetween. The inner wellhead member (56), such as a casing hanger, is adapted to land in the outer wellhead housing (54). The outer wellhead housing (54) may comprise a wickers (52) formed in a hardened metal inlay (68). Alternatively, or in addition to the wickers (52) formed in the outer wellhead housing, wickers (50) may be formed in a hardened metal inlay (72) in the inner wellhead member (56). An annular metal seal (64) may be disposed in the annulus and driven into the wickers (52) to seal the annulus between the inner wellhead member (56) and the outer wellhead housing (54) and to axially restrain the seal (64) within the annulus.

Figure 2.