Abstract

METHOD AND SYSTEM FOR SETTING A METAL SEAL

A system and method is provided for setting a metal-to-metal seal (e.g., in an annular space between wellhead components) using a temporary elastomer seal. For example, the annular space may be sealed with one or more elastomer seals before hydraulically setting the metal-to-metal seal. A seal assembly may include the elastomer seals and the metal-to-metal seal. Positioning the seal assembly in the annular space between the wellhead components may isolate pressure in the annular space below the seal such that the metal-to-metal seal may be set. In an exemplary embodiment, a hydraulic mechanism axially compresses the metal-to-metal seal between two members of the seal assembly, thereby radially expanding and setting the metal-to-metal seal.

Figure 4