WELLHEAD SYSTEM HAVING RESILIENT DEVICE TO ACTUATE A LOAD MEMBER AND ENABLE AN OVER-PULL TEST OF THE LOAD MEMBER

ABSTRACT

[0043] A wellbore system (20) comprising a housing assembly (22) and a hanger assembly (24). The hanger assembly (24) comprises an actuation member (36) that interacts with a portion (38) of the housing assembly (22) when the hanger assembly (24) is positioned at a desired location in the housing assembly (22). The hanger assembly (24) also comprises a load member (28) that is adapted to extend between the hanger assembly (24) and the housing assembly (22) to enable the housing assembly (22) to support the hanger assembly (24). The load member (28) is carried into the wellbore in a retracted position. When the actuation member (36) interacts with the housing assembly (22) at the desired location, the actuation member (36) actuates the load member (28) to expand outward to extend between the hanger assembly (24) and the housing assembly (22). The actuation member (36) is adapted to transfer a lifting force from the surface to the load member (28) to enable an over-pull test of the hanger assembly (24) to be performed.

[Figure 1]