

CASING HANGER LOCKDOWN SLIP RING

Abstract of the Disclosure

A seal (17) seals an annulus (15) in a subsea assembly between a wellhead (13) and a casing hanger (11) landed on a shoulder (12) within a bore of the wellhead (13). The seal (17) includes a casing hanger seal ring (21) disposed within the annulus (15). The seal ring (21) engaged with an inner diameter surface of the wellhead (13), and engaged with an outer diameter surface of the casing hanger (11) so that the seal ring (21) prevents flow through the annulus (15). A lockdown slip ring (23) is secured to a lower end of the seal ring (21) so that, when the seal ring (21) is energized, the lockdown slip ring (23) engages a substantially smooth inner diameter surface portion of the wellhead (13) and a substantially smooth outer diameter surface portion of the casing hanger (11) to limit upwards axial movement of the casing hanger (11).

[Figure 1]