

## TUBING HANGER LANDING STRING WITH BLOWOUT PREVENTER OPERATED RELEASE MECHANISM

### Abstract

A coupling 10 is incorporated in the landing string which is non-destructively unlatched by the closure of BOP pipe rams. The coupling is simple and reliable to operate in emergencies. When the pipe rams are closed, the radial force releases a mechanism comprising captive pins 40 and an outwardly biased split ring 38. The split ring 38 is compressed inwardly, releasing shoulders 32 on collet fingers 30 from beneath an undercut 34 in a bore 36 of the coupling 10. Reconnection is simply achieved by re-engaging the collet fingers in the undercut 34. Other BOP closure element non-destructively operated landing string couplings are also disclosed.

Fig. 3