

RECEPTACLE SUB

ABSTRACT OF THE DISCLOSURE

A receptacle sub (11) that increases the venting flowrate during retrieval of a running tool (57) is disclosed. The sub (11) includes a sleeve (33) with a bypass port (49) in a central bore (15) defined by a tubular body (13). The sleeve (33) is selectively moveable from an upper position to a lower position. A seal (38) on the sleeve (33) seals the sleeve (33) to the bore (15) while a retainer (47) holds the sleeve (33) in the upper position. A bypass passage (27) in the body (13) is in fluid communication with the bypass port (49). A drop member (55) lands on the sleeve (33), blocking downward flow through the sleeve (33) and actuating a hydraulic function. The drop member (55) receives a fluid pressure greater than the hydraulic function fluid pressure, releasing the retainer (47) to move the sleeve (33) to the lower position. This allows fluid communication from above the central bore (15) through the bypass passage (27) and through the bypass ports (49) of the sleeve (33) below the drop member (55).

Figure 2