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ABSTRACT

PRESSURE-COMPENSATED FLOW SHUT-OFF SLEEVE FOR WELLHEAD AND SUBSEA WELL ASSEMBLY INCLUDING SAME

A flow shut-off sleeve assembly adapted to be coupled to a subsea wellhead housing disposed within a conductor housing, which opens and closes at least one flow port in the conductor housing to annular fluid flow, is provided. The flow shut-off sleeve assembly includes an internal annular flow shut-off sleeve disposed around an exterior portion of the subsea wellhead housing and an external annular flow shut-off sleeve disposed around an exterior portion of the internal annular flow shut-off sleeve. The external annular flow shut-off sleeve is movable axially relative to the internal annular flow shut-off sleeve between an open position wherein the at least one flow port is open to annular fluid flow and a closed position, wherein the at least one flow port is closed to annular fluid flow. A subsea well assembly is also provided, which includes the flow shut-off sleeve assembly.

FIGURE 3

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