

ABSTRACT

OFF-CENTER RUNNING TOOL FOR SUBSEA TREE

[0034] A running tool for lowering a christmas tree to a subsea wellhead. The running tool includes an off center adjustment to compensate for asymmetric weight distribution in the christmas tree. The running tool comprises a main body, latches for coupling the body to the christmas tree, an offset arm connected to the body, and a lift arm (drill pipe adaptor) connected to the lift arm and selectively positioned on the lift arm to offset and compensate for the christmas tree asymmetric weight distribution.

Figure 1