

COMBINATION WELL PIPE CENTRALIZER AND OVERPULL INDICATOR

Abstract of the Disclosure:

A subsea wellhead assembly includes an outer wellhead member (11) with a bore (13) containing at least one conical generally upward facing load shoulder (15) that inclines relative to an axis of the bore (13). The outer wellhead member (11) also contains an overpull recess (17) having a generally downward facing overpull shoulder (18) positioned below the at least one generally upward facing load shoulder (15). An inner wellhead member (21) is lowered into the housing, the inner wellhead member (21) having at least one conical downward facing load shoulder (25) that inclines relative to an axis of the bore (13). A load ring (29) has an inner profile that slidingly engages the downward facing load shoulder (25) and an outer profile that slidingly engages the upward facing load shoulder (15).

Figure 4