LOCATION-AND-ROTATION FEEDBACK TOOL FOR SUBSEA WELLHEADS AND METHOD OF OPERATING SAME

ABSTRACT

A location-and-rotation feedback tool that provides accurate feedback of the location and orientation of a well component during running operations in wells. The feedback tool device is adapted to be secured on a tool stem above a running tool and comprises a body, a circumferentially extending groove, and a hole in the groove that vents to the bore of a blowout preventer. The circumferential groove aligns with a fluid line port in the blowout preventer to provide location feedback via a fluid line pressure. The hole aligns with the fluid line port in the blowout preventer to provide rotation feedback via fluid line pressure.

[Figure 1]