RUNNING TOOL THAT PREVENTS SEAL TEST

Abstract

A running tool sets a casing hanger packoff and ensures that the packoff is not pressure tested unless the proper setting stroke was made by the running tool. The running tool has a stem, an inner body, and a piston. The inner body is connected to the stem so that rotation of the stem relative to the inner body will cause the stem to move longitudinally. The piston is connected to the stem so that the stem and piston rotate and move longitudinally in unison. A test slot is located in the outer surface of the inner body. A limit pin is connected to the piston and is adapted to engage the test slot when the piston moves longitudinally relative to the inner body. The stem has a raised profile on a portion of its exterior surface.

[Figure. 1]