

Lead Impression Wear Bushing

Abstract of the Disclosure

A wear bushing (11) having a lead impression block (47) is landed axially above a casing hanger (75) and actuated to test an elevation of lock ring grooves (79) formed in a wellhead (77). Then, drilling operations are performed through the wear bushing (11). The wear bushing (11) includes a first tubular member (13) having an axis (12) and a second tubular member (15) coaxial with the first tubular member (13). The second tubular member (15) moves down to actuate a lead impression assembly (39) to measure an elevation within the wellhead (77) with the lead impression block (47). After the drilling operations are completed, the deformed lead impression block (47) is retrieved along with the wear bushing (11).

Figure 1