

Title (en)

IMPROVED SUB-SEA TEST TREE APPARATUS

Title (de)

VERBESSERTE UNTERWASSERTTESTBAUMVORRICHTUNG

Title (fr)

APPAREIL AMELIORE POUR TETE DE PRODUCTION D'ESSAI SOUS-MARINE

Publication

EP 0595907 B1 19971203 (EN)

Application

EP 92915716 A 19920723

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- GB 9201352 W 19920723

Abstract (en)

[origin: WO9303254A1] Apparatus and a method for killing a live well after activation of a well blowout preventer is described. This is achieved by providing apparatus in the form of a shear or kill sleeve (34) in a string (26) above a sub-sea test tree and which is located between the pipe rams (22, 24) and shear rams (18) of a blowout preventer (12). In the event that the shear rams (18) are activated and seal the string above the kill sleeve (34), the sleeve includes a pressure sensitive valve (84) which may be opened, by pressurising between the blowout preventer rams (18, 22), to permit fluid to be pumped from the blowout preventer (12) through the valve (84) and into the string (40), to choke or kill the well. After the well has been killed, the blowout preventer (12) may be opened to permit removal of the well tools. Embodiments of the invention are described.

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E21B 34/04

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WO 9303254 A1 19930218; AU 2342292 A 19930302; AU 668689 B2 19960516; CA 2114619 A1 19940131; CA 2114619 C 19981013; DE 69223409 D1 19980115; DE 69223409 T2 19980604; EP 0595907 A1 19940511; EP 0595907 B1 19971203; GB 9116477 D0 19910911; GR 3026203 T3 19980529; NO 308912 B1 20001113; NO 940307 D0 19940128; NO 940307 L 19940128; RU 2101460 C1 19980110

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