

Title (en)

METHOD FOR DETECTING INFLOW OF FLUID IN A WELL WHILE DRILLING AND IMPLEMENTING DEVICE

Title (de)

VERFAHREN ZUR ERKENNUNG EINES FLÜSSIGKEITZUFLUSSES IM BOHRLOCH WÄHREND DES BOHRENS UND VORRICHTUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCEDE DE DETECTION D'UNE VENUE DE FLUIDE DE FORMATION DANS UN Puits EN COURS DE FORAGE ET DISPOSITIF POUR LA MISE EN OEUVRE DE CE PROCEDE

Publication

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Application

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Abstract (en)

[origin: WO0039433A1] The invention concerns a method for detecting inflow of fluid in a well while drilling, characterised in that the drilling is carried out using an installation comprising a hollow cylindrical drill string (3) wherein is injected fresh mud, a tubing (5) defining with the drill string (3) an annular space (7) through which the loaded mud rises; it consists in continuously measuring a heat flow; then in continuously calculating on the basis of said quantity the value of a characteristic representing a thermal equilibrium obtained in the absence of a fluid occurrence formation; and in detecting variations in said characteristic, said variations representing a thermal imbalance, resulting from inflow of fluid in the well (1). The invention is particularly applicable in operating oil drilling installations particularly deep at sea.

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