Title (en)

Method for detecting drillstring washouts.

Title (de)

Verfahren zur Feststellung von Lecks in Bohrgestängen.

Title (fr)

Procédé de détection de fuites dans une colonne de forage.

Publication

EP 0572055 A1 19931201 (EN)

Application

EP 93201208 A 19930427

Priority

GB 9211048 A 19920523

Abstract (en)

A method of detecting a drillstring washout during an operation involving the addition or removal of pipes from the drillstring such as back reaming, comprising: a) performing at least one such operation and determining by hydraulic coefficient k from the relationship P = kQ<a>,where Q is the flow rate, P is the standpipe pressure and a is the flow exponent, from each pipe added or removed, so as to derive a series of values indicating the development of k for said operations, and b) on subsequent operations, determining k and comparing the determined values with the series obtained previously, a drillstring washout being detected when the determined value of k falls substantially below the corresponding value of k in the series. The trend in the development of k can be calculated and used to determine if an anomaly exists in the determined value of k. <IMAGE>

IPC 1-7

E21B 21/08; E21B 44/00

IPC 8 full level

E21B 21/08 (2006.01); **E21B 44/00** (2006.01)

CPC (source: EP US)

E21B 21/08 (2013.01 - EP US); **E21B 44/00** (2013.01 - EP)

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