

Title (en)

FLUID AND METHOD FOR RELEASING TUBULAR ELEMENTS STUCK IN A WELL

Title (de)

FLUIDUM UND METHODE ZUR BEFREIUNG FESTGESETZTER BOHRSTÄNGE

Title (fr)

FLUIDE ET METHODE POUR LIBERER DES ELEMENTS TUBULAIRES COINCES DANS UN PUIT

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Application

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Abstract (en)

[origin: FR2773816A1] The composition of the invention aids the release of jammed drilling elements resulting from an interaction with the colloidal deposits on the walls during an arrest in rotation. It is particularly applicable to water-based drilling fluids. A new fluid composition for well drilling formulated to release jammed tubular elements consisting of the components: (1) A part A comprising one or more esters obtained by reaction of an 8 - 24C monocarboxylic acid (A1) and a 2-20C polyol (A2). The molar ratio of A1 : A2 is between 1 : 1 and (n - n/10) : 1, where n is the number of OH groups in A2; (2) A part B comprising one or more 8-24C monocarboxylic acids, the acid A1 and part B being, each separately, a mixture of at least 80% of carboxylic acids with 1 - 3 unsaturations; (3) A part C comprising one or more esters from the reaction of a 2-24C monocarboxylic acid with a 2-24C monoalcohol, or one or more linear hydrocarbons with at least one unsaturation or saturated branched hydrocarbons (optionally with at least one unsaturation). C had a viscosity less than 10mPa.s. at 40 deg C; and (4) Optionally a part D comprising a tertiary amine. The amount of C is determined, relative to the other components, so that the viscosity of the fluid composition is less than 40 mPa.s. at 40 deg C. An Independent claim is also included for the method in which the fluid is incorporated to enable the release of jammed tubes.

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