Title (en)
TIME-DELAY FLUIDS FOR WELLBORE CLEANUP

Title (de)
ZEITVERZÖGERTE FLUIDE FÜR EINE BOHRLOCHREINIGUNG

Title (fr)
FLUIDES À ACTION DIFFÉRÉE POUR LE NETTOYAGE DE PUITS

Publication
EP 2721251 A4 20141224 (EN)

Application
EP 12801256 A 20120607

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Abstract (en)
[origin: WO2012173860A2] A method for delaying the removal of a majority of an oil-based mud (OBM) filter cake from a hydrocarbon reservoir wellbore that utilizes a multiple phase composition is described. The use of the multiple phase composition allows for a microemulsion, a miniemulsion, or a nanoemulsion to form in situ downhole at a controllable time. The method includes pumping the multiple phase composition comprising an additive into the wellbore. The multiple phase composition may be broken thereby releasing the additive. The broken multiple phase composition and the additive may contact the OBM filter cake particles to form an in situ emulsion selected from the group consisting of a nanoemulsion, a miniemulsion, a microemulsion, a multiple emulsion, a water- continuous emulsion and mixtures thereof. The in situ emulsion may incorporate more of the external oil from the OBM filter cake in order to more easily remove the OBM filter cake.

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CPC (source: EP US)
C09K 8/52 (2013.01 - EP US); **E21B 43/16** (2013.01 - US); C09K 2208/14 (2013.01 - EP US)

Citation (search report)
• [I] US 2005107263 A1 20050519 - BLAND RONALD G [US], et al
• [I] GB 2341876 A 20000329 - BAKER HUGHES INC [US]
• See references of WO 2012173860A2

Cited by
US11319477B2; US11773312B2

Designated contracting state (EPC)
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