Title (en)

COMPOSITIONS AND METHODS OF USING A POLYMERIC PRECIPITATE TO REDUCE THE LOSS OF FLUID TO A SUBTERRANEAN FORMATION

Title (de)

ZUSAMMENSETZUNGEN UND VERFAHREN ZUR VERWENDUNG EINES POLYMEREN PRÄZIPITATS ZUR FLUID-LOSS-VERMINDERUNG AN EINE UNTERIRDISCHE FORMATION

Title (fr)

COMPOSITIONS ET PROCEDES D'UTILISATION D'UN PRECIPITE POLYMERE PERMETTANT DE REDUIRE LA PERTE DE FLUIDE DANS UNE FORMATION SOUTERRAINE

Publication

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Abstract (en)

[origin: WO2006111708A1] Methods are provided for reducing the loss of a wellbore servicing fluid to a subterranean formation. A polymeric solution and an activator may be contacted in the formation, thereby forming a precipitate to at least partially block fluid from flowing further into the formation. The fluid may be, for example, a drilling fluid, a cement composition, a workover fluid, or combinations thereof. The polymeric solution may comprise a polyvinylpyrrolidone aqueous solution, and the activator may comprise a formate brine. In one embodiment, the polymeric solution and the activator are contacted before completing a drilling operation in the wellbore. In another embodiment, they are contacted before completing a primary cementing operation in the wellbore. In yet another embodiment, they are contacted before completing a secondary cementing operation in the wellbore. When desirable, the precipitate may be easily and quickly removed from the subterranean formation by dissolving it in fresh water.

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