

Title (en)

A drilling method for maintaining productivity while eliminating perforating and gravel packing

Title (de)

Verfahren zum Bohren eines Produktionbohrloches ohne Bohrlochperforieren und -packen

Title (fr)

Procédé de forage permettant de maintenir la productivité tout en éliminant la perforation et le gravillonnage des crepines

Publication

**EP 1772589 A1 20070411 (EN)**

Application

**EP 06021293 A 20021218**

Priority

- EP 02797431 A 20021218
- US 34177901 P 20011218

Abstract (en)

A method for well construction and completion is disclosed. First, a productive section of a well is drilled in the presence of a fluid system that: controls fluid losses; is substantially non-damaging to the formation (16); and includes particles in a particle size distribution sufficient to form a low permeability filter cake (20) on a formation face (21b) and to allow the majority of the filter cake particles to flow back into the borehole after well completion. After drilling, a casing (22) including at least one, and preferably a plurality of, extendable permeable elements or members (23) is run into the well so that the elements are positioned and aligned with sites in the producing formation and once extended form production conduits between the formation (16) and an interior of the casing (22). A completed borehole (50) is also disclosed including a casing (22) having production conduits formed from the extendable members or elements (23).

IPC 8 full level

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CPC (source: EP US)

**E21B 43/04** (2013.01 - EP US); **E21B 43/082** (2013.01 - EP US); **E21B 43/11** (2013.01 - EP US)

Citation (applicant)

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