

Title (en)
REDRESSING METHOD AND REDRESSED COMPLETION SYSTEM

Title (de)
BESEITIGUNGSVERFAHREN UND BESEITIGTES VERVOLLSTÄNDIGUNGSSYSTEM

Title (fr)
PROCÉDÉ DE REDRESSAGE ET SYSTÈME DE COMPLÉTION REDRESSÉ

Publication
EP 3106605 A1 20161221 (EN)

Application
EP 15172292 A 20150616

Priority
EP 15172292 A 20150616

Abstract (en)
The present invention relates to a redressing method for arranging an inner production casing within an existing production casing in order to re-establish production of hydrocarbon-containing fluid in a malfunctioning well having a top part, the existing production casing having a first inner diameter and being arranged in a borehole, the redressing method comprising the steps of determining a first inflow section of the existing production casing opposite a first production zone, providing the inner production casing having a inner diameter which is substantially the same along an extension of the inner production casing, the inner production casing comprising a first annular barrier and a second annular barrier having a distance between them, each annular barrier comprising a tubular metal part for mounting as part of the inner production casing, an expandable metal sleeve surrounding the tubular metal part and having an inner face facing the tubular metal part and an outer face facing an inner wall of the existing production casing, each end of the expandable metal sleeve being connected with the tubular metal part, and an annular space between the inner face of the expandable metal sleeve and the tubular metal part, the inner production casing having an outer unexpanded diameter which is smaller than the first inner diameter of the existing production casing, redressing the existing production casing by introducing the inner production casing into the existing production casing, arranging the first annular barrier on one side of the first inflow section and the second annular barrier on the other side of the inflow section, encapsulating the first inflow section of the existing production casing by expanding the expandable metal sleeves of the first annular barrier and the second annular barrier, isolating the first inflow section, anchoring the inner production casing in the top part of the well, providing a first inflow section in the inner production casing opposite the first inflow section of the existing production casing, and initiating production of hydrocarbon-containing fluid through the inner production casing. Furthermore, the present invention relates to a redressed completion system for re-establishing production of hydrocarbon-containing fluid in a malfunctioning well.

IPC 8 full level
E21B 29/10 (2006.01); **E21B 33/124** (2006.01); **E21B 43/10** (2006.01); **E21B 43/14** (2006.01)

CPC (source: EP)
E21B 29/10 (2013.01); **E21B 33/124** (2013.01); **E21B 43/10** (2013.01); **E21B 43/14** (2013.01)

Citation (search report)

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3106605 A1 20161221

DOCDB simple family (application)
EP 15172292 A 20150616