

Title (en)
METHOD FOR OPTIMISING THE PRODUCTION OF A CLUSTER OF WELLS

Title (de)
VERFAHREN ZUR OPTIMIERUNG DER ERZEUGUNG EINER BOHRLOCHGRUPPE

Title (fr)
PROCÉDÉS POUR OPTIMISER LA PRODUCTION D'UN GROUPE DE PUIITS

Publication
EP 2004953 B1 20091007 (EN)

Application
EP 07727816 A 20070405

Priority

- EP 2007053348 W 20070405
- EP 06112401 A 20060407
- EP 06112440 A 20060410
- EP 07727816 A 20070405

Abstract (en)
[origin: WO2007116008A1] The present invention relates to a method to optimise production of a cluster of wells on the basis of an estimation of the contributions of individual wells to the production of the cluster of wells, tailored to the particular constraints and requirements of the oil and gas production environment. The wells in the cluster may differ in terms of nature and flux of its effluents, and/or mode of operation, stimulation and/or manipulation. The wells may also produce from multiple subsurface zones or branches. The wellheads of the wells in the cluster may be located on land or offshore, above the surface of the sea or on the seabed. The method according to the invention may be used to generate one or more optimisation models, taking into account only significantly relevant well and production system characteristics and effects.

IPC 8 full level
E21B 43/00 (2006.01); **E21B 41/00** (2006.01); **E21B 49/08** (2006.01); **G01F 1/74** (2006.01); **G01F 15/08** (2006.01)

CPC (source: EP NO)
E21B 41/0092 (2020.05 - NO); **E21B 43/00** (2013.01 - EP NO); **E21B 49/08** (2013.01 - EP NO)

Cited by
KR20230040097A; KR20230040096A; US11180976B2; US9702243B2; US11591936B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007116008 A1 20071018; AT E445083 T1 20091015; AU 2007235959 A1 20071018; AU 2007235959 B2 20101111;
BR PI0708835 A2 20110614; BR PI0708835 B1 20170926; CA 2645902 A1 20071018; CA 2645902 C 20140520;
DE 602007002702 D1 20091119; EA 200802116 A1 20090428; EP 2004953 A1 20081224; EP 2004953 B1 20091007;
NO 20084606 L 20081030; NO 341307 B1 20171002; NZ 571278 A 20110826

DOCDB simple family (application)
EP 2007053348 W 20070405; AT 07727816 T 20070405; AU 2007235959 A 20070405; BR PI0708835 A 20070405; CA 2645902 A 20070405;
DE 602007002702 T 20070405; EA 200802116 A 20070405; EP 07727816 A 20070405; NO 20084606 A 20081030; NZ 57127807 A 20070405