

Title (en)
TWO DIMENSIONAL RESERVOIR PRESSURE ESTIMATION WITH INTEGRATED STATIC BOTTOM HOLE PRESSURE SURVEY DATA AND SIMULATION MODELING

Title (de)
ZWEIDIMENSIONALE SPEICHERDRUCKSCHÄTZUNG MIT INTEGRIERTEN STATISCHEN BODENLOCHDRUCKMESSDATEN UND SIMULATIONSMODELLIERUNG

Title (fr)
ESTIMATION DE PRESSION DE RÉSERVOIR BIDIMENSIONNELLE AVEC DONNÉES DE RELEVÉ DE PRESSION STATIQUE DE FOND DE TROU ET MODÉLISATION DE SIMULATION INTÉGRÉES

Publication
EP 3452698 A1 20190313 (EN)

Application
EP 17722360 A 20170501

Priority
• US 201615146323 A 20160504
• US 2017030347 W 20170501

Abstract (en)
[origin: WO2017192423A1] Estimates are formed of reservoir pressure between the wells for subsurface hydrocarbon producing reservoir. The estimation is based on field data and physical laws governing the hydrocarbon flow in porous media. Information from 3-dimensional fine geological and numerical reservoir simulation models, statistical interpolation between the wells, and static bottom-hole pressure (SBHP) surveys (measurement) at wells are used to more rapidly determine 2-dimensional isobaric reservoir pressure maps for times of interest during the reservoir simulation.

IPC 8 full level
E21B 47/06 (2012.01); **G01V 9/00** (2006.01); **G01V 11/00** (2006.01)

CPC (source: EP)
E21B 47/06 (2013.01)

Citation (search report)
See references of WO 2017192423A1

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)
WO 2017192423 A1 20171109; CN 109072692 A 20181221; CN 109072692 B 20210326; EP 3452698 A1 20190313; EP 3452698 B1 20230628

DOCDB simple family (application)
US 2017030347 W 20170501; CN 201780027605 A 20170501; EP 17722360 A 20170501