

Title (en)

MULTI-WELL INTERFERENCE TESTING AND IN-SITU RESERVOIR BEHAVIOR CHARACTERIZATION

Title (de)

ÜBERPRÜFUNG DER INTERFERENZ ZWISCHEN MEHREREN BOHRLÖCHERN UND VORORT-RESERVOIR-  
VERHALTENSKENNZEICHNUNG

Title (fr)

TEST D'INTERFERENCE DE Puits MULTIPLES ET CARACTERISATION DE COMPORTEMENT DE GISEMENT IN SITU

Publication

**EP 2556209 A1 20130213 (EN)**

Application

**EP 11766700 A 20110407**

Priority

- US 32176910 P 20100407
- US 2011031514 W 20110407

Abstract (en)

[origin: US2011251796A1] Using multi-well testing, operators can characterize a reservoir and its in-situ behavior using direct measurements of reservoir pressures. One or more impulses are generated in an impulse well or location using production, injections, or the like. Downhole pressure tools directly measure pressure responses at various observations wells in the reservoir. Based on the magnitudes of the responses, the distances between the wells, the time lag between responses, and other variables, operators can characterize the pressure distribution of the reservoir and various features, such as the connectivity and extent of the reservoir, barriers, faults, obstructions, pools, communication paths, layer contacts, and well spacing efficiency.

IPC 8 full level

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CPC (source: EP US)

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