

Title (en)

Method, system and tool for reservoir evaluation and well testing during drilling operations

Title (de)

Verfahren und System und Werkzeug zur Reservoirbeurteilung und Bohrlochprüfung während Bohrungen

Title (fr)

Procédé, système et outil pour évaluation de réservoir et test réussi au cours d'opérations de forage

Publication

EP 1936112 A2 20080625 (EN)

Application

EP 08004186 A 20010919

Priority

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- US 84248801 A 20010425

Abstract (en)

In one form of the invention, a formation evaluation is made using a direct measurement of the formation's ability to flow fluids. The flow potential of a reservoir during underbalanced well construction is determined as the well is being constructed. The trajectory and path of the wellbore through the reservoir are modified to intersect formation having more desirable permeability and productivity to decrease the time to market of the hydrocarbon reserves within a reservoir without the time delay inherent when conventional formation evaluation techniques are applied. A downhole flow measurement instrument (27) is used to obtain actual flow ratios. The instrument is integrated into a near-bit stabilizer (12) and can be used for early kick and benign "breathing" fractures detection in the open hole wellbore.

IPC 8 full level

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Citation (applicant)

WO 9949172 A1 19990930 - HYDRIL CO [US]

Cited by

EP2587227A1; CN103906998A; AU2012331230B2; RU2607826C2; US9279298B2; US9915143B2; US8783381B2; US9759064B2;
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