

Title (en)

MULTIZONE PRODUCTION MONITORING SYSTEM

Title (de)

ÜBERWACHUNGSSYSTEM FÜR MEHRZONEN-PRODUKTION

Title (fr)

SYSTEME DE SURVEILLANCE DE PRODUCTION MULTIZONE

Publication

EP 0977931 A4 20000628 (EN)

Application

EP 98919833 A 19980422

Priority

- US 9808066 W 19980422
- US 4453897 P 19970423

Abstract (en)

[origin: WO9848145A1] In a multiple connected well, spaced apart production packers (26a-D) isolate independent zones (15-18) from one another. In each isolated production zone, a side pocket mandrel (30) with a full opening bore (40A) has lengthwise extending side by side pockets (40B, 40C, 40D) for receiving a static pressure measurement instrument or tool (90); for providing an elongated pressure differential flow passageway; and for receiving a differential pressure measuring tool (74). Fluid flow in the production zone is channelled through the flow passageway to the full opening bore (40A) and the fluid is communicated to the static pressure measuring tool (90) and to the differential pressure tool (74). The static pressure and differential pressure of the fluid flow from each production zone is independently measured at the time of production and sequentially and repetitively read out at the earth's surface. From the pressure measurements and flow equations, the production flow is determined.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- No further relevant documents disclosed
- See references of WO 9848145A1

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DOCDB simple family (publication)

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