

Title (en)

Downhole deployment system for ejecting a tracer and/or taking a fluid sample

Title (de)

Bohrflocheinsatzsystem zum Ausstossen eines Tracers und/oder Flüssigkeitsprobeentnahme

Title (fr)

Système de déploiement de fond de trou pour éjecter un traceur et/ou prendre un échantillon de fluide

Publication

EP 2886790 A1 20150624 (EN)

Application

EP 13198031 A 20131218

Priority

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Abstract (en)

The present invention relates to a downhole deployment system (1) for ejecting a tracer (39) and/or taking a fluid sample of a fluid in a lateral (2) in a well (3). The system comprises a stroking tool (4) comprising a shaft (5), the stroking tool providing a reciprocating movement of the shaft, and a deployment tool (6). The deployment tool comprises a tool body (7), a tool inlet (8), a tool outlet (35), a deployment chamber (9) arranged in the tool body, a piston (10) dividing the deployment chamber into a first deployment chamber part (11) and a second deployment chamber part (12), the first deployment chamber part being in fluid communication with the tool outlet and the second deployment chamber part being in fluid communication with the tool inlet, and a piston rod (14) connected to the piston and driven by the shaft for moving the piston from a first position to a second position, thereby decreasing the first deployment chamber part and increasing the second deployment chamber part, in order to eject the tracer from the first deployment chamber part or collect the fluid sample through the tool inlet. The present invention furthermore relates to a production optimising method using the downhole deployment system.

IPC 8 full level

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Citation (search report)

- [XYI] US 3343408 A 19670926 - MAYER JR ROBERT
- [XI] US 2013022476 A1 20130124 - VILLAREAL STEVEN [US], et al
- [Y] EP 2540955 A1 20130102 - WELLTEC AS [DK]
- [Y] EP 2341211 A1 20110706 - WELLTEC AS [DK]
- [Y] WO 2009094410 A2 20090730 - SCHLUMBERGER CA LTD [CA], et al
- [A] US 3273647 A 19660920 - BRIGGS JR GEORGE E, et al

Cited by

EP3112581A1; US11286769B2; US11643925B2; US11542768B2; US10435977B2; US12060766B2; WO2017203288A1; US10947837B2; US11041380B2; US11542783B2; US10844680B2; US11092000B2; WO2022081969A1; US11111777B2; US11655706B2

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