

Title (en)
Method and device for stimulation of an underground formation by injection of a fluid coming from an adjacent zone being connected to the first one by a drain hole transversing a low-permeable intermediate layer.

Title (de)
Verfahren und Vorrichtung zur Stimulation einer Untergrundformation durch Injektion eines Fluids aus einer benachbarten Schicht, die durch eine eine niedrigerpermeable Zwischenschicht durchquerende Bohrung mit ersterer verbunden ist.

Title (fr)
Méthode et dispositif pour stimuler une zone souterraine par injection contrôlée de fluide provenant d'une zone voisine que l'on relie à la première par un drain traversant une couche intermédiaire peu perméable.

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Application
EP 90403557 A 19901212

Priority
FR 8917481 A 19891229

Abstract (en)
[origin: EP0435727A1] The underground formation and the adjacent zone are for example an oil bearing stratum (Z1) and a subjacent aquifer (Z2) at a pressure greater than that in this layer (Z1). The method essentially consists in drilling at least one deviated drain hole (D) (preferably horizontal or almost horizontal) traversing the oil bearing layer, the adjacent zone and the intermediate layer (L) which is for example a zone made to have low permeability because of the presence of heavy and viscous hydrocarbon products. The drain hole is fitted with a pipe (C) pierced by orifices (O1, O2) at the level of the two zones (Z1, Z2) and with stopping units (BP, BO). The delayed opening of the unit (BP) during production, allows the injection of water under pressure into the oil bearing layer and a better draining of the formation. <??>Application to the exploitation of oil bearing strata, for example. <IMAGE>

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IPC 8 full level
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CPC (source: EP US)
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Cited by
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