

Title (en)

METHOD AND DEVICE FOR INTENSIFYING THE PERMEABILITY OF GROUND LAYERS CLOSE TO BORE HOLES AND FILTER BODIES AND FILTER LAYERS IN WELLS AND OTHER PRODUCTION WELLS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR INTENSIVIERUNG DER DURCHLÄSSIGKEIT VON BOHRUNGSNAHEN BODENSCHICHTEN SOWIE VON FILTERKÖRPERN UND FILTERSCHICHTEN IN BRUNNEN UND ANDEREN FÖRDERBOHRUNGEN

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT D'INTENSIFIER LA PERMEABILITE DE COUCHES DE SOL PROCHES D'UN TROU DE FORAGE AINSI QUE DE CORPS DE FILTRES ET DE COUCHES DE FILTRAGE DANS DES PUITES ET D'AUTRES FORAGES PRODUCTIFS

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Abstract (en)

[origin: WO2004063524A1] The invention relates to a method for intensifying the permeability of ground layers close to bore holes and filter bodies and filter layers (W) in the underground extraction areas (F) of wells and other production drill holes (11) wherein liquid is continuously pumped away in the extraction area (F) of the drill hole (11) by means of an underground pump (8). The liquid which is thus displaced is successively impinged upon with hydraulic energy pulses (E) in the direction of the walls of the drill hole, filter bodies and filter layers (W) by continually moving a pulse generator (1) up and down in the area of extraction (F). The effect of each energy pulse (E) is evaluated by means of seismic measurements and the parameters of the following energy pulses (E) are determined according to the evaluation of the measuring result of the previous energy pulse (E).

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