

Title (en)  
Method of producing crude oil

Title (de)  
Verfahren zur Produktion von Rohöl

Title (fr)  
Procédé de production de pétrole brut

Publication  
**EP 2009231 A1 20081231 (EN)**

Application  
**EP 07111358 A 20070629**

Priority  
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Abstract (en)  
A method of producing crude oil, comprising: a) drilling a well (1) traversing a crude oil containing formation (2); b) creating a cavity (8) in the vicinity of the well; c) creating a flow channel (3A,3B) between the cavity and the well; d) inducing crude oil (20) to flow from the crude oil containing formation into the cavern the flow channel a section of the well, which is equipped with a valve (13); e) closing the valve when a substantial portion of the cavity is filled with crude oil; f) injecting water into the cavity, thereby inducing crude oil to flow from the cavity via the flow channel and the well to a wellhead (15) at the earth surface; g) interrupting water injection into the cavity when a substantial portion of the cavity is filled with water; h) pumping water from the cavity and filling at least a substantial portion of the cavity with a gaseous fluid; i) opening the valve and repeating steps d)-h). The method may make use of a one way valve (13) nitrogen and a salt layer (4).

IPC 8 full level  
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Citation (search report)  
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