

Title (en)
DOWNHOLE PUMP WITH ANTI-GAS LOCK ORIFICE

Title (de)
BOHRLOCHPUMPE MIT ANTIGASVERRIEGELUNGSÖFFNUNG

Title (fr)
POMPE DE FOND DE TROU À ORIFICE DE VERROUILLAGE ANTI-GAZ

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Application
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Abstract (en)
[origin: WO2019158952A1] The present invention relates to a downhole pump for producing volumes of liquids from an oil well, comprising: an extension wall; a barrel that extends vertically to the interior of the extension wall; a gas separating chamber delimited by the barrel and the interior surface of the extension wall; and a piston comprising a travelling valve in its lower portion, wherein the piston is configured to slide vertically in the barrel to the interior of the separating chamber between an upper end of stroke position and a lower end of stroke position; wherein the piston comprises at least one venting orifice, wherein the at least one venting orifice is configured to provide communication between the interior of the piston and the gas separating chamber when the piston reaches the lower end of stroke position, wherein, in the lower end of stroke position, the venting orifice is positioned below the barrel.

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