

Title (en)

A GAS LIFT SYSTEM AND A GAS LIFT METHOD

Title (de)

GASAUFTRIEBSANLAGE UND GASAUFTRIEBSVERFAHREN

Title (fr)

SYSTÈME D'EXTRACTION AU GAZ ET PROCÉDÉ D'EXTRACTION AU GAZ

Publication

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Application

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Abstract (en)

[origin: EP2818630A1] The present invention relates to a gas lift system (1) arranged in a well (65) having a top (10) and comprising a well fluid (11), the gas lift system comprising a casing (61) arranged in the borehole defining a surrounding annulus (62) , an opening (86) in the casing, and a pumping unit (12) for pumping gas (8) into the annulus, wherein the gas lift system further comprises a downhole tool (14) having a first end (15) nearest the top of the well and a second end (16), the downhole tool comprises a pump section (2) comprising a housing (20) comprising a chamber (201) having an axial extension(17), a plunger (23) sliding in the chamber and dividing the chamber into a first compartment (203) and a second compartment (202), a plunger rod (26)connected with the plunger, a chamber inlet channel (27) and a chamber outlet channel (21), the inlet channel and the outlet channel being in fluid communication with the second compartment, a sealing element (29) for isolating a first part (66) of the casing from a second part (67) of the casing, the first part and the inlet channel being in fluid communication with the opening. The invention also relates to a gas lift method.

IPC 8 full level

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