

Title (en)

A gas lift system and a gas lift method

Title (de)

Gasauftriebsanlage und Gasauftriebsverfahren

Title (fr)

Système d'ascension par poussée de gaz et procédé de poussée de gaz

Publication

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Application

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Abstract (en)

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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CPC (source: EP US)

E21B 29/002 (2013.01 - US); **E21B 43/123** (2013.01 - EP US)

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