

Title (en)

HIGH TEMPERATURE AND PRESSURE PACKER

Title (de)

nPACKER FÜR HOHEN DRUCK UND TEMPERATUREN

Title (fr)

PACKER HAUTE TEMPERATURE ET HAUTE PRESSION

Publication

EP 1339944 B1 20041006 (EN)

Application

EP 01999728 A 20011204

Priority

- GB 0105364 W 20011204
- US 73363200 A 20001208

Abstract (en)

[origin: WO0246573A1] A high temperature and high pressure packer (100) and method for sealing an annulus in a wellbore is provided. The packer can withstand temperatures up to 450 DEG F (232 DEG C) and differential pressures up to 15,000 psi (103 MPa). In one aspect, the packer comprises a body (102); and a sealing system disposed about the body including an element (500) having an anti-extrusion ring (360,660) at an end thereof, wherein the sealing system is compressible in length and expandable in outer diameter to seal the annulus. In another aspect, the method comprises running a packer into the wellbore, the packer comprising a body (102) and a sealing system comprising an element (500) and an anti-extrusion ring (360,660), wherein the element is disposed about the body proximate the anti-extrusion ring, and wherein an extrusion ring (380, 680) is disposed substantially on an inner diameter of the anti-extrusion ring; flowing the extrusion ring radially outward and axially across the body in a direction opposite the element to fill a portion of the annulus; and radially expanding the element to fill a remaining portion of the annulus.

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