

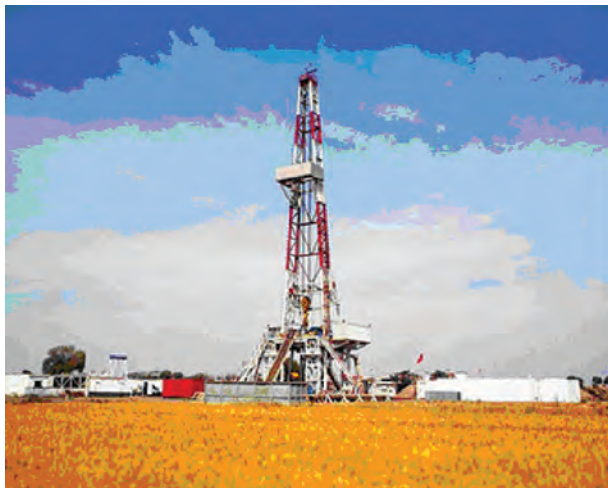
COMPREHENSIVE TECHNOLOGY FOR TEMPORARY SHUTOFF, DEVELOPMENT, AND SUSPENSION OF OIL WELLS UNDER CONDITIONS OF HIGH-PERMEABILITY RESERVOIRS AND ABNORMAL ROCK PRESSURE

Areas of Application

The technology is to be used for oil well control and suspension under normal and abnormal conditions of operation and repair works

Specification

The technology uses environmentally safe reagents based on phospholipids. It includes a special method for preparation of invert dispersions with a density within $490 - 2860 \text{ kg/m}^3$ and a method for oil well control (development, suspension) under abnormal rock pressure



Advantages

The invert dispersions surpass the world counterparts in terms of flexible control of density, stability, and rheological properties of killing fluids, affinity to well hydrocarbon products, protection of well equipment against corrosion, and high ecological properties. The comprehensive technology has no counterparts in post-Soviet countries

Stage of Development.

Suggestions for Commercialization

IRL5, TRL6

A trial sample of invert dispersions is produced and tested on customer's well, upon request; recommendations on organization of production of dispersions and technology for their application are provided

IPR Protection

IPR3

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