

EXPERIMENTAL SIMULATION OF GAS-FLUID EFFECT IN HETEROGENEOUS POROUS MEDIUM

Abstract

The results of experimental investigations devoted to the search of new stimulation methods on oil reservoirs by gas fluid fringes are cited. The possibility of creation of gas fluid fringes system in the process of alkaline reagent reaction with hydrocarbons containing active acid components is shown.

A field method based on the effect of the leveling of displacement front and increase of coverage of weakly drained section of stratum at the expense of formation of gas-fluid system at stratum conditions is suggested.