Thermohydrodynamic investigations of vertical wells operating in multilayer reservoirs

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Abstract

A mathematical model is constructed to describe the thermohydrodynamic processes in "vertical well - multilayer reservoir" system. A new approach to estimate the filtration parameters and flow rates of interlayers is proposed. The curves of the bottomhole temperature variations taken after the bringing the vertical well into production are used as the source data.

Keywords

Multilayer reservoirs, Thermohydrodynamic investigations, Vertical wells