

## **Determination of the intervals of technogenic accumulations of hydrocarbons in a lamellar rock mass**

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### **Abstract**

In rock masses consisting of layers with different thermophysical properties, the formation of a technogenic accumulation of hydrocarbons that leaked from the borehole and the recovery of the disturbed thermal field after the shutdown of the well are being modeled. The characteristic features of the section temperature dynamics related to different thermophysical properties and to the presence of the absorption interval are considered and a technique of finding the places with absorption of fluids is suggested. © 2009 Springer Science+Business Media, Inc.

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### **Keywords**

Filtration, Numerical simulation, Technogenic deposit, Temperature recovery