OPTIMIZATION OF EXPENDITURES FOR THERMOBAROMETRIC STUDY OF WELLS BY AUTONOMOUS DEVICES AT HIGH WELLHEAD PRESSURE

Background
Approach to solve the most acute problems in the development of hydrocarbon deposits implies, first of all, the introduction and application of modern technologies and methods for monitoring the current state of the field. Let’s consider the method of thermobarometric well studies by autonomous device at high wellhead pressure as a variant to reduce the loss of oil production (reduced non-profit time and research preparation) and to reduce the labor for works.

Aims and Objectives
Expenditures optimization for well studies of with high wellhead pressure using the autonomous thermobarometric devices.

Methods
Experimentation in injection wells No. 837, 983, 3106 of IOC formation with high wellhead pressure using a stand-alone devices (GEO-6 and PLT-9.2) by thermobarometry method.

Results
Run-in-hole of autonomous device GEO-6 on the wire for the well study by thermobarometric method showed to be effective in two points:
• reduced the loss of oil production associated with long stops for research;
• use of the device GEO-6 with a standard lubricator on well with high wellhead pressure showed a positive economic effect.

Key words: hydrodynamic and geophysical studies, formation, thermometry, barometers, well, oil, wellhead pressure, downhole equipment, pressure reduction

References

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