

Effect of destructed dislocations on oil show of Novo-Elhovskoe deposit metamorphosed rocks of the South-Tatar arch

© Igor P. Kosachev,^{1*} and Gennady V. Romanov²

¹Technology Laboratory. ²Laboratory of Chemistry and Geochemistry of Oil.

Establishment of the Russian Academy of Sciences Institute of Organic and Physical Chemistry.

A.E. Arbuzov, Kazan Scientific Center, Russian Academy of Sciences.

Arbuzov St., 8. Kazan, 420088. The Republic of Tatarstan. Russia.

Phone: +7 (843) 272-73-84. Fax: +7 (843) 272-73-34. E-mail: kosachev@iopc.ru

*Supervising author; ⁺Corresponding author

Key words: oil shows, extracts, metamorphosed rocks, destructed dislocation, hydrocarbon composition, Novo-Elhovskoy deposit, South-Tatar arch.

Abstract

On the example of rock samples of Novo-Elhovskogoe deposit of the South-Tatar arch using the methods of gas-liquid chromatography, infrared spectroscopy and electron spin resonance we showed that the destructed dislocation of the metamorphosed rocks cause a number of oil shows, but have almost no effect on their hydrocarbon composition.