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The complex approach to the geochemical research of oil and organic substance with the purpose of planning of geological exploration work for oil and gas

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Abstract

The article is devoted to the first results obtained for the complex of geochemical studies of the crude oils and organic matter of Vyngayakhinskoye field rocks of the West-Siberian oil and gas province. The main objective of this paper is the determination of the genetic unity of or, on the contrary, in the difference of the crude oil produced at the field, dedicated to the various oil complexes. Authors investigated the correlation between organic matter the breeds and crude oils of various oil-and-gas complexes with a view to identifying areas of generation, directions, and the scope and stages of migration of hydrocarbons. The study, in the future, can be used in the development of recommendations for the planning of geological exploration works on oil and gas, as well as to develop the reserves already discovered oil and gas deposits.

Keywords

Organic matter, The Bazhenov formation and The Achimov suite, The geochemical survey