

THE PALEOZOIC OF WEST SIBERIA - A NEW PROSPECTIVE OIL- AND GAS-BEARING COMPLEX

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The complexes of the Pre-Jurassic (Triassic, Paleozoic) deposits are developed under the Jurassic - Cretaceous cover. The Ordovician, Silurian, Devonian and Carboniferous carbonate, terrigenous-carbonate and clayey-carbonate deposits and the Triassic clayey-carbonate and volcanogenic-sedimentary deposits are involved in their geological structure. They formed during the Caledonian, Hercynian and Cimmerian phases of tectonic movements. Oil and gas fields and new pools have already been discovered in these complexes. Geological and geophysical data allowed the identification of regularities of geological structure of these complexes, the substantiation of trends and tasks of regional exploration and evaluation work for oil and gas in the upper parts of the Paleozoic deposits, being in contact with the Jurassic, overlain by the Triassic effusive-sedimentary rocks and in the deep-seated (3.5-5 km) Paleozoic horizons: the Carboniferous, Devonian, Silurian, Ordovician and Cambrian.