

SETTLING PROVINCES OF THE EAST EUROPE PLATFORM ON MATERIALS GEOPHYSICAL SURVEYS

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The modern aeromagnetic surveys for analysis of a deep constitution sedimentary petroliferous basins of a north of the East Europe platform to scale 1:50 000 were conducted. The interpretation of materials was conducted with usage standard and specially of designed know-hows and has allowed to receive geophysical models of the crystalline foundation and sedimentary cover up to deep of 5-6 kms. At geologic interpretation of these data is established, that the main structural features of the studied petroliferous basins are determined by specificity of an internal geological and tectonic framework isolated and singled out on materials of magnetic observation archaic granite - greenstone belts of units, early Proterozoic plaited belts and nature of boundaries between them. The relief of a surface of the crystalline foundation, mirrors in itself many features of geological and tectonic framework of the foundation, and also - particular members of effect concerning young geological processes, acts as formed during long-lived geologic time heterogeneous and heterochronically formation. The pattern of a sedimentary cover is determined several scale typomorphism of the structural - sediment forms: subdividing for miscellaneous key horizons on separate patterns and structural ensembles: bound with ancient consediment processes; by structural ensembles long-lived consediment and postsediment of development and patterns youngest postsediment of processes. The oil-and-gas-bearing traps in a sedimentary cover are submitted on the area of activities several heteromorphic and heterochronicle by the basic patterns, and also series of nonstructural tanks, the spatial stand which one is determined by apparent legitimacies in connection, both with patterns of the foundation, and with the forms of a sedimentary cover.