

GEOLOGICAL-ECONOMIC MAP OF SUBSURFACE RESOURCE VALUE IN OIL-BEARING BASINS (BY OIL RESOURCES BEING FORECASTED)

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The map of subsurface resources value characterizes the economic significance and investment attractiveness of different petroleum-bearing basins (PBB) of the world. The criteria for its construction provide the economic differentiation of these basins on the geological, natural-climatic, and economic conditions of their development. The value of PBB is determined by a potential profit received as a result of their development. For determining such value, all resources being forecasted in the PBB are preliminarily differentiated for the groups of local objects on geological characteristics. These local objects are the primary elements of an economic estimate. The value of each local object containing the definite amount of forecast resources is determined as the difference between the cost of oil being produced and total development expenses with taking into account a time factor. The value of each oil-bearing basin is determined as the sum of the estimates on the local objects. Because the absolute size of resource value doesn't allow to compare the different size basins objectively, an index of interior specific value is used for map construction. It is determined by the division of basin resource absolute economic estimate by the size of a prospective area. The map is constructed on the basis of the stated methodic instructions. It demonstrates the type of the basin on hydrocarbon phase composition, the class of the basin on the size of initial recoverable resources, their structure on exploration degree, the size of profit as a result of developing forecast resources in the basin.