

ZONING OF OIL-GEOLOGICAL TERRITORIES IN THE CONTEXT OF BASIN MODELING

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Structures and evolution of sedimentary and oil & gas bearing basins have been modeled. Exterior, transitional and interior areas - major structural elements - stand out in their composition. There is a laying (rift) stage, a basic evolution (plate) stage and a final (cratogenic) stage in the evolution of basins. Under favorable conditions, sedimentary basins may evolve into the oil & gas bearing basins. Oil & gas bearing provinces are a combination of some sedimentary and oil & gas bearing basins, which are of various age. Consequently, in the context of modeling proposed, allocation of oil & gas bearing provinces and oil & gas bearing basins reflects not alternative approaches as generally considered but the variety of geological objects. The oil & gas bearing provinces are the largest zoning elements. They are divided into the oil & gas bearing basins. The oil & gas bearing areas and regions are sequentially lesser by rank elements of separate zoning of exterior, transitional and interior basin zones.