

Evolution of the Congo basin

The Society - The Congo Basin: Stratigraphy and subsurface structure defined by regional seismic reflection, refraction and well data



Description: -

Kawi language -- Dictionaries -- English

Large type books

Harmegnies, Lucien, 1916-

Hatha yoga

Svātmārāma, -- Swami

Congo River.

Geology -- Africa, Central.Evolution of the Congo basin

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Geological Society of America. Memoir 3Evolution of the Congo basin

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Because the magnitude of the crustal thinning is small, the past thermal conditions throughout the Phanerozoic were probably not very different from the present-day.

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In the past, oil seeps are recorded in the central part of the basin. In order to explain the observed maturation of the vitrinite as well as angular unconformities on seismic lines, one should assume one or two stages of erosion in the basin, representing at least 4 km of removed material.

Thermal Regime and Evolution of the Congo Basin as an Intracratonic Basin

The relatively small activation energy is justified by the observation within numerical experiments that a larger activation energy would predict too large a flexural rigidity or too thick an elastic plate near sea-mounts Watts and Zhong. These short term variations should not be associated with significant thermal changes.

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Four sides in the Congo basin have been drilled so far. The major controlling factors for the development of the CB are, besides the deep geodynamic processes, the inherited heterogeneity of the pre-Neoproterozoic basement, the tectonic evolution of Rodinia, Gondwana and Pangea amalgamation and breakup, and environmental conditions influenced by the drifting through the South Pole towards its present-day equatorial position and global climatic fluctuations between icehouse and greenhouse conditions.

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