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A GEOLOGIC FIELD REPORT ON THE GEOLOGY OF AFIKPO BASIN, LOWER BENUE TROUGH, SOUTH EASTERN NIGERIA

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Abstract:

The study area is situated within the Afikpo Basin, lower Benue trough of Southeastern Nigeria. The origin of the Benue Trough is linked to rifting associated with the separation of South America from Africa in the cretaceous times. The vast igneous activities in the trough are thought to either precede the separation of the two continents or post-date Albian sediments deposited in the trough after the separation. The geology of northeast of Afikpo basin consists of two major Lithostratigraphic units of sandstone ridges and low lying shale's each of which forms significant component of the middle Albian ASU Rivers Group and Turonian Ezeaku formation. Also Dolerite, Hornfel and Gabbro were identified.