Title of article: Aspects of stratigraphy and facies profile of clastic deposits in doma field, niger delta

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Abstract

The consistencies observed on lithologies encountered during exploration are often brief. They are usually characterized by rapidly changing signatures due to the rapid depositional patterns. Well logs and Seismic data employed in this study assisted in gaining insight into the Stratigraphy of the sand units and facies profile. By mapping lithologies from well logs an attempt was made to identify the depositional sequence. Reflections around important fluid markers were studied in detail on seismic sections. System tracts and the corresponding depositional environments determined from the log motifs were extended for lateral significance on seismic lines. Well to seismic tie was done to validate the recognition of strata patterns on the seismic sections for lateral facie classification. With results presented in time slices, well log panels and seismic cross sections, the spatial distribution of the identified hydrocarbon prone depositional facies was studied.