# Multimicrofossil Biostratigraphic Analysis of Wells A and B, Krishna -Godavari Basin

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The exploratory wells A and B were drilled in the Krishna-Godavari Deep offshore area off Yanam coast with the objective of exploring the hydrocarbon potential of Cretaceous, Miocene and Basement prospects. The well A has been drilled to a depth of 4155m, encountering Basement at 4115.5m. Although, well A was drilled in rather present day shallower water depth i.e. 16.92m; however, post Oligocene the well section has shown deeper bathymetry with appreciable rates of sediment fills. The microfossil studies on cutting samples provided good yield of microfossils to provide biostratigraphic zonations and correlation of stages. The well B was drilled with the objective of exploring the hydrocarbon potential of Cretaceous sediments up to 4500m depth; in the water depth of 225m. The main targets of the well were reservoir sands below 4107m. Multi-microfossil analysis on cuttings of drilled sections in well A and B was aimed to bring out high resolution biostratigraphy and paleoenvironments. Foraminifera, calcareous nannofossils, spore pollens and dinoflagellate markers (FADs / LADs) were utilized in dividing Cretaceous / Tertiary sections for finer biozones / chrono-units in the study area.