

Geochemical Characterization Of Upper Cretaceous Source Rocks In Morocco

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The Upper Cretaceous source rocks in Morocco range in age from Cenomanian to Maastrichtian and they are encountered in most Moroccan sedimentary basins. They outcrop in the Rif / Pre-Rif area at the North, in the middle Atlas in the centre and in Tarfaya Basin in the South. Where they outcrop they occur as oil shale deposits. They have high TOC values, high petroleum potential (S₂) and are generally immature.

Upper Cretaceous source rocks were also encountered in exploration wells in the Tadla Basin in the central region, the Boujdour area in the south of Morocco and in the Moroccan Atlantic offshore. All the geochemical data (TOC, Rock-Eval, GC, GC-MS and isotopes) from ONHYM's data base will be presented, together with oil-oil correlations and Oil-Source Rock correlations. A synthesis of all the geochemical studies made at ONHYM will be presented and discussed.