

**CLARK-LOWES, D.D. (2008) Depositional Model for the Distribution of Silurian Hot Shale and Mamuniyat Reservoir Facies in the Al Kufrah Basin**

Previous accounts of the stratigraphy and petroleum geology of the Ordovician and Silurian succession of Al Kufrah Basin have drawn attention to the potential similarities of the Ordovician/Silurian succession of Murzuq Basin with that of the Al Kufrah Basin, acknowledging that far less is known about Al Kufrah Basin because of the limited drilling to date. One significant difference has been suggested, namely that the late Ordovician sediments of Al Kufrah may have been more peri-glacial than pro-glacial, the region having been dominated more by glacial outwash rivers and fans than by moraine and sub-glacial sediments. From regional considerations it is argued that this may be misleading. Evidence from western Libya is used to provide analogues of the type of depositional architecture postulated to be present in the subsurface of Al Kufrah. This comprises a landscape of some considerable palaeotopographic relief infilled with fluvio-glacial and glacial marine sediments.