

## Contents

MACGREGOR, D. S. Introduction	1
<b>Palaeozoic and sub-salt regional papers</b>	
BOOTE, D. R. D., CLARK-LOWES, D. D. & TRAUT, M. W. Palaeozoic petroleum systems of North Africa	7
TRAUT, M. W., BOOTE, D. R. D. & CLARK-LOWES, D. D. Exploration history of the Palaeozoic petroleum systems of North Africa	69
MACGREGOR, D. S. Giant fields, petroleum systems and exploration maturity of Algeria	79
FEKIRINE, B. & ABDALLAH, H. Palaeozoic lithofacies correlatives and sequence stratigraphy of the Saharan Platform, Algeria	97
ECHIKH, K. Geology and hydrocarbon occurrences in the Ghadames Basin, Algeria, Tunisia, Libya	109
LOGAN, P. & DUDDY, I. An investigation of the thermal history of the Ahnet and Reggane Basins, Central Algeria, and the consequences for hydrocarbon generation and accumulation	131
<b>Palaeozoic reservoirs and fields</b>	
CROSSLEY, R. & MCDUGALL, N. Lower Palaeozoic reservoirs of North Africa	157
DJARNIA, M. R. & FEKIRINE, B. Sedimentological and diagenetic controls on Cambro-Ordovician reservoir quality in the southern Hassi Messaoud area (Saharan Platform, Algeria)	167
ALEM, N., ASSASSI, S., BENHEBOUCHE, S. & KADI, B. Controls on hydrocarbon occurrence and productivity in the F6 reservoir, Tin Fouyé–Tabankort area, NW Illizi Basin	175
CHAOUCHI, R., MALLA, M. S. & KECHOU, F. Sedimentological evolution of the Givetian–Eifelian (F3) sand bar of the West Alrar field, Illizi Basin, Algeria	187
<b>Mesozoic–Cenozoic regional papers</b>	
MACGREGOR, D. S. & MOODY, R. T. J. Mesozoic and Cenozoic petroleum systems of North Africa	201
GUIRAUD, R. Mesozoic rifting and basin inversion along the northern African Tethyan margin: an overview	217
WILSON, M. & GUIRAUD, R. Late Permian to Recent magmatic activity on the African–Arabian margin of Tethys	231
KEELEY, M. L. & MASSOUD, M. S. Tectonic controls on the petroleum geology of NE Africa	265
MORABET, A. M., BOUCHTA, R. & JABOUR, H. An overview of the petroleum systems of Morocco	283
<b>Mesozoic reservoirs and fields</b>	
RICHARDSON, S. M., VIVIAN, N., COOK, R. J., WILKES, M. & HUSSEIN, H. Application of fault seal analysis techniques in the Western Desert, Egypt	297
GRAS, R. & THUSU, B. Trap architecture of the Early Cretaceous Sarir Sandstone in the eastern Sirt Basin, Libya	317
SPRING, D. & HANSEN, O. P. The influence of platform morphology and sea level on the development of a carbonate sequence: the Harash Formation, Eastern Sirt Basin, Libya	335

LOUCKS, R. G., MOODY, R. T. J., BELLIS, J. K. & BROWN, A. A. Regional depositional setting and pore network systems of the El Garia Formation (Metlaoui Group, Lower Eocene), offshore Tunisia	355
ZAIËR, A., BEJI-SASSI, A., SASSI, S. & MOODY, R. T. J. Basin evolution and deposition during the Early Paleogene in Tunisia	375
<b>The Atlas Fold Belt</b>	
BRACÈNE, R., BELLAHCÈNE, A., BEKKOUCHE, D., MERCIER, E. & FRIZON de LAMOTTE, D. The thin-skinned style of the South Atlas Front in Central Algeria	395
MORGAN, M. A., GROCOTT, J. & MOODY, R. T. J. The structural evolution of the Zaghouan–Ressas Structural Belt, northern Tunisia	405
MEKIRECHE, K., SABAOU, N. & ZAZOUN, R.-S. Critical factors in the exploration of an Atlas intramontane basin; the Western Hodna Basin of northern Algeria	423
Index	433