

Contents

Acknowledgements	vi
SABATO CERALDI, T., HODGKINSON, R. & BACKÉ, G. The petroleum geology of the West Africa margin: an introduction	1
LAWRENCE, S. R., BEACH, A., JACKSON, O. & JACKSON, A. Deformation of oceanic crust in the eastern Gulf of Guinea: role in the evolution of the Cameroon Volcanic Line and influence on the petroleum endowment of the Douala-Rio Muni Basin	7
BROWN, A., BIRKHEAD, S., MCLEAN, D., TOWLE, P., WHITE, H. & WU, Y. The Campanian quartz ‘claystone’ conundrum of the African Transform Margin	27
PÉRON-PINVIDIC, G., MANATSCHAL, G., MASINI, E., SUTRA, E., FLAMENT, J. M., HAUPERT, I. & UNTERNEHR, P. Unravelling the along-strike variability of the Angola–Gabon rifted margin: a mapping approach	49
SABATO CERALDI, T. & GREEN, D. Evolution of the South Atlantic lacustrine deposits in response to Early Cretaceous rifting, subsidence and lake hydrology	77
GREEN, P. F. & MACHADO, V. Pre-rift and synrift exhumation, post-rift subsidence and exhumation of the onshore Namibe Margin of Angola revealed from apatite fission track analysis	99
MARTÍN-MONGE, A., BAUDINO, R., GAIRIFO-FERREIRA, L. M., TOCCO, R., BADALI, M., OCHOA, M., HARYONO, S., SORIANO, S., EL HAFIZ, N., HERNÁN-GÓMEZ, J., CHACÓN, B., BRISSON, I., GRAMMATICO, G., VARADÉ, R. & ABDALLAH, H. An unusual Proterozoic petroleum play in Western Africa: the Atar Group carbonates (Taoudeni Basin, Mauritania)	119
COWIE, L., ANGELO, R. M., KUSZNIR, N., MANATSCHAL, G. & HORN, B. Structure of the ocean–continent transition, location of the continent–ocean boundary and magmatic type of the northern Angolan margin from integrated quantitative analysis of deep seismic reflection and gravity anomaly data	159
MOHAMMED, M., PATON, D., COLLIER, R. E. L., HODGSON, N. & NEGONGA, M. Interaction of crustal heterogeneity and lithospheric processes in determining passive margin architecture on the southern Namibian margin	177
PATON, D. A., MORTIMER, E. J., HODGSON, N. & VAN DER SPUY, D. The missing piece of the South Atlantic jigsaw: when continental break-up ignores crustal heterogeneity	195
DALTON, T. J. S., PATON, D. A. & NEEDHAM, D. T. Influence of mechanical stratigraphy on multi-layer gravity collapse structures: insights from the Orange Basin, South Africa	211
Index	229