

Contents

Preface	vii
Rift structure: models and observations	
MORLEY, C. K. Developments in the structural geology of rifts over the last decade and their impact on hydrocarbon exploration	1
KUSZNIR, N., ROBERTS, A. & MORLEY, C. K. Forward and reverse modelling of rift basin formation	33
ROBERTS, G. P. & GAWTHORPE, R. L. Strike variation in deformation and diagenesis along segmented normal faults: an example from the eastern Gulf of Corinth, Greece	57
BOSWORTH, W. A high-strain rift model for the southern Gulf of Suez (Egypt)	75
PLATT, N. H. Structure and tectonics of the northern North Sea: new insights from deep penetration regional seismic data	113
Stratigraphic development and reservoir distribution	
LAMBIASE, J. J. & BOSWORTH, W. Structural controls on sedimentation in continental rifts	117
DRISCOLL, N. W. & HOGG, J. R. Stratigraphic response to basin formation: Jean d'Arc Basin, offshore Newfoundland	145
COLLIER, R. E. LI. & GAWTHORPE, R. L. Neotectonics, drainage and sedimentation in central Greece: insights into coastal reservoir geometries in syn-rift sequences	165
SCHOLZ, C. A. Seismic stratigraphy of an accommodation-zone margin rift-lake delta, Lake Malawi, Africa	183
SMITH, R. D. A. Reservoir architecture of syn-rift lacustrine turbidite systems, early Cretaceous, offshore South Gabon	197
Source rocks and geochemistry	
KATZ, B. J. A survey of rift basin source rocks	213
WILLIAMS, H. H., FOWLER, M. & EUBANK, R. T. Characteristics of selected Palaeogene and Cretaceous lacustrine source basins of Southeast Asia	241
Case studies: productive and non-productive rifts	
BANKS, N. L., BARDWELL, K. A. & MUSIWA, S. Karoo rift basins of the Luangwa Valley, Zambia	285
KREUSER, T. Rift to drift evolution in Permian–Jurassic basins of East Africa	297
DESHENG, L. Hydrocarbon habitat in the Songliao Rift Basin, China	317
WILLIAMS, H. H. & EUBANK, R. T. Hydrocarbon habitat in the rift graben of the central Sumatra Basin, Indonesia	331
Index	373