

Contents

Acknowledgments

COWARD, M. P. The Precambrian, Caledonian and Variscan framework to NW Europe	1
HECKEL, P. H. Evidence for global (glacial-eustatic) control over Upper Carboniferous (Pennsylvanian) cyclothems in midcontinent North America	35
FRASER, A. J. & GAWTHORPE, R. L. Tectono-stratigraphic development and hydrocarbon habitat of the Carboniferous in northern England	49
LEEDER, M. R. & HARDMAN, M. Carboniferous geology of the southern North Sea Basin and controls on hydrocarbon prospectivity	87
SURLYK, F. Timing, style and sedimentary evolution of Late Palaeozoic–Mesozoic extensional basins of East Greenland	107
GLENNIE, K. W. Rotligend sediment distribution: a result of late Carboniferous movements	127
STEEL, R. & RYSETH, A. The Triassic–early Jurassic succession in the northern North Sea: megasequence stratigraphy and intra-Triassic tectonics	139
COX, B. M. A review of Jurassic chronostratigraphy and age indicators for the UK	169
RICHARDS, P. C. The early to mid-Jurassic evolution of the northern North Sea	191
LATIN, D. M., DIXON, J. E., FITTON, J. G. & WHITE, N. Mesozoic magmatic activity in the North Sea Basin: implications for stretching history	207
ROBERTS, A., PRICE, J. & OLSEN, T. S. Late Jurassic half-graben control on the siting and structure of hydrocarbon accumulations: UK/Norwegian Central Graben	229
BOLDY, S. A. R. & BREALEY, S. Timing, nature and sedimentary result of Jurassic tectonism in the Outer Moray Firth	259
SPENCER, A. M. & LARSEN, V. B. Fault traps in the northern North Sea	281
O'DRISCOLL, D., HINDLE, A. D. & LONG, D. C. The structural controls on Upper Jurassic and Lower Cretaceous reservoir sandstones in the Witch Ground Graben, UK North Sea	299
BISEWSKI, H. Occurrence and depositional environment of the Lower Cretaceous sands in the southern Witch Ground Graben	325
MILTON, N. J., BERTRAM, G. T. & VANN, I. R. Early Palaeogene tectonics and sedimentation in the Central North Sea.	339
HARDING, A. W., HUMPHREY, T. J., LATHAM, A., LUNSFORD, M. K. & STRIDER, M. A. Controls on Eocene submarine fan deposition in the Witch Ground Graben	353
MORGAN, R. K. Cenozoic subsidence and uplift in the North Sea region: implications for mechanisms of basin formation (abstract only)	369
BUTLER, M. & PULLAN, C. P. Tertiary structures and hydrocarbon entrapment in the Weald Basin of southern England	371
VAN HOORN, B. Tectonic events responsible for Britain's oil and gas reserves: a summary	393
Index	397