

Contents

Preface	vii
WHATELEY, M. K. G. & PICKERING, K. T. Deltas: sites and traps for fossil fuels	ix
Deltaic Systems and General Models	
ELLIOT, T. Deltaic systems and their contribution to an understanding of basin-fill successions	3
ALEXANDER, J. Delta or coastal plain? With an example of the controversy from the Middle Jurassic of Yorkshire	11
SYVITSKI, J. P. M. & FARROW, G. E. Fjord sedimentation as an analogue for small hydrocarbon-bearing fan deltas	21
ITO, M. Profiles of fan deltas and water depth in the receiving basin	45
Subsurface and Geophysical Techniques	
COWAN, G. Diagenesis of Upper Carboniferous sandstones: southern North Sea Basin	57
BRISTOW, C. S. & MYERS, K. J. Detailed sedimentology and gamma-ray log characteristics of a Namurian deltaic succession I: Sedimentology and facies analysis	75
MYERS, K. J. & BRISTOW, C. S. Detailed sedimentology and gamma-ray log characteristics of a Namurian deltaic succession II: Gamma-ray logging	81
SELLEY, R. C. Deltaic reservoir prediction from rotational dipmeter patterns	89
Selected Delta Case Studies	
SESTINI, G. Nile Delta: a review of depositional environments and geological history	99
OKAZAKI, H. & MASUDA, F. Arcuate and bird's foot deltas in the late Pleistocene Palaeo-Tokyo Bay	129
PEDERSEN, G. K. A fluvial-dominated lacustrine delta in a volcanic province, W Greenland	139
HARRIS, J. P. The sedimentology of a Middle Jurassic lagoonal delta system: Elgol Formation (Great Estuarine Group), NW Scotland	147
MARTINSEN, O. J. Styles of soft-sediment deformation on a Namurian (Carboniferous) delta slope, Western Irish Namurian Basin, Ireland	167
PULHAM, A. J. Controls on internal structure and architecture of sandstone bodies within Upper Carboniferous fluvial-dominated deltas, County Clare, western Ireland	179
SIEDLECKA, A., PICKERING, K. T. & EDWARDS, M. B. Upper Proterozoic passive margin deltaic complex, Finnmark, N Norway	205
Petroleum- and Gas-related Case Histories	
FLINT, S., STEWART, D. J. & VAN RIESSEN, E. D. Reservoir geology of the Sirikit oilfield, Thailand: lacustrine deltaic sedimentation in a Tertiary intermontane basin	223
HELLAND-HANSEN, W., STEEL, R., NAKAYAMA, K. & KENDALL, C. G. St. C. Review and computer modelling of the Brent Group stratigraphy	237

BROWN, S. & RICHARDS, P. C. Facies and development of the Middle Jurassic Brent Delta near the northern limit of its progradation, UK North Sea	253
LIVERA, S. E. Facies associations and sand-body geometries in the Ness Formation of the Brent Group, Brent Field	269
Coal-related Case Histories	
HASZELDINE, R. S. Coal reviewed: depositional controls, modern analogues and ancient climates	289
SCOTT, A. C. Deltaic coals: an ecological and palaeobotanical perspective	309
WHATELEY, M. K. G. & JORDAN, G. R. Fan-delta-lacustrine sedimentation and coal development in the Tertiary Ombilin Basin, W Sumatra, Indonesia	317
READ, W. A. The influence of basin subsidence and depositional environment on regional patterns of coal thickness within the Namurian fluvio-deltaic sedimentary fill of the Kincardine Basin, Scotland	333
Index	345