

## Contents

AITKEN, J. F. & HOWELL, J. A. High resolution sequence stratigraphy: innovations, applications and future prospects	1
MITCHELL, S. F., PAUL, C. R. C. & GALE, A. S. Carbon isotopes and sequence stratigraphy	11
DAVIES, S. J. & ELLIOTT, T. Spectral gamma ray characterization of high resolution sequence stratigraphy: examples from Upper Carboniferous fluvio-deltaic systems, County Clare, Ireland	25
QUIRK, D. G. 'Base profile': a unifying concept in alluvial sequence stratigraphy	37
BRYANT, I. D. The application of measurements to constrain reservoir-scale sequence stratigraphic models	51
ARMENTROUT, J. M. High resolution sequence biostratigraphy: examples from the Gulf of Mexico Plio-Pleistocene	65
JENNETTE, D. C. & RILEY, C. O. Influence of relative sea-level on facies and reservoir geometry of the Middle Jurassic lower Brent Group, UK North Viking Graben	87
WEHR, F. L. & BRASHER, L. D. Impact of sequence-based correlation style on reservoir model behaviour, lower Brent Group, North Cormorant Field, UK North Sea	115
HOWELL, J. A. & FLINT, S. S. A model for high resolution sequence stratigraphy within extensional basins	129
MCKIE, T. & GARDEN, I. R. Hierarchical stratigraphic cycles in the non-marine Clair Group (Devonian) UKCS	139
PLINT, A. G. Marine and nonmarine systems tracts in fourth-order sequences in the Early–Middle Cenomanian, Dunvegan Alloformation, northeastern British Columbia, Canada	159
AITKEN, J. F. & FLINT, S. S. Variable expressions of interfluvial sequence boundaries in the Breathitt Group (Pennsylvanian), eastern Kentucky, USA	193
O'BYRNE, C. J. & FLINT, S. S. Interfluvial sequence boundaries in the Grassy Member, Book Cliffs, Utah: criteria for recognition and implications for subsurface correlation	207
HAMPSON, G. J., ELLIOTT, T. & FLINT, S. S. Critical application of high resolution sequence stratigraphic concepts to the Rough Rock Group (Upper Carboniferous) of northern England	221
ULIČNÝ, D. & ŠPIČÁKOVÁ, L. Response to high frequency sea-level change in a fluvial to estuarine succession: Cenomanian palaeovalley fill, Bohemian Cretaceous Basin	247
OWEN, D. Interbasinal correlation of the Cenomanian Stage; testing the lateral continuity of sequence boundaries	269
FOUKE, B. W., EVERTS, A-J. W., ZWART, E. W., SCHLAGER, W., SMALLEY, P. C. & WEISSERT, H. Subaerial exposure unconformities on the Vercors carbonate platform (SE France) and their sequence stratigraphic significance	295

HUNT, D., ALLSOP, T. & SWARBRICK, R. E. Compaction as a primary control on the architecture and development of depositional sequences: conceptual framework, applications and implications	321
STEMMERICK, L. High frequency sequence stratigraphy of a siliciclastic influenced carbonate platform, lower Moscovian, Amdrup Land, North Greenland	347
Index	367