# TABLE OF CONTENTS

**Volume 1**

**Late Quaternary Shelf-Margin Delta and Slope-Fan Complexes of the East Texas-Western Louisiana Margin: Variable Response to Eustasy and Sediment Supply**

J. Anderson, J. Wellner, K. Abdulah, S. Sarzalejo

1

**Timing of Late Pleistocene Shelf-Margin Deltaic Depositional and Mass-Transport Events, East Breaks 160-161 Shelf-Edge Minibasin, Gulf of Mexico**

J. Armentrout

13

**Late Quaternary Shelf-Margin Deltas in the Northern Gulf of Mexico: Implications for the Late Quaternary Sea-Level Elevation at the Culmination of the Last Glacial Maximum**

P. Bart, S. Goshal

37

**Basin 4 of the Brazos-Trinity Slope System, Western Gulf of Mexico: The Terminal Portion of a Late Pleistocene Lowstand Systems Tract**

R. Beaubouef, V. Abreu, J. Van Wagoner

48

**Sediment Supply to the Shelf Margin and Beyond: Alluvial Valley Responses to Sea-Level Change**

M. Blum

70

**Source-to-Sink: The Importance of the Updip Coastal Area in Defining Deep-Water Sand Characteristics**

A. Bouma, E. Scott

96

**Two Contrasting Styles of Lowstand Deltaic Wedges: The Roda Sandstone (Spain) as Seen from Outcrops and the Late Pleistocene Mahakam Delta (Indonesia) as Imaged from 3D and 2D Hr Seismic Profiles**

P. Crumeyrolle

117

**Seismic and Sequence Stratigraphy of a Braided Fluvial Sheet, Lower Cretaceous Missisauga Formation, Offshore Nova Scotia, Canada: Implications for Deep-Water Exploration**

D. Cummings, R. Arnott, B. Hart

124

**Depositional Topography and Sequence Development**

A. Donovan

143

**Eocene Depositional Model for the Brazil Santos Basin in the Vicinity of the BS-4--NE Discovery**

F. Ebiwonjumi, D. Schwartz

173

**Deep-Water Petroleum Systems of Africa’s Major Rivers**

D. Evans, M. Cope, J. English

200

**Benthic Foraminiferal Litho-Biofacies Correlations and Enhanced Reservoir Characterization of Hydrocarbon Accumulations in Deep-Water Turbidite Strata: King Kong--Yosemite Field, Green Canyon Lease Area, Northern Gulf of Mexico**

R. Fillion, E. Berendson, F. Budhijanto, A. Waterman

213
Foraminiferal Litho-Biofacies of Linked Delta--Fan Deposystems in the Northern Gulf of Mexico: Paleontologic and Lithologic Characteristics ................................................................. 240
R. Fillon

The Impact of the Brazos Deltaic System on Upper Slope Stratigraphic Sequence Evolution .......................................................................................................................... 281
C. Fraticelli, J. Anderson

Submarine Slope Bypassing of Sands Through Submarine Channels on a Modern Lowstand Delta, Fraser Delta, Canada ................................................................. 314
B. Hart, J. Barrie, P. Hill

Biostratigraphic Techniques for Locating the Position of Ancient Shelf Margins: Examples from the Neogene of the Northern Gulf of Mexico ........................................ 341
G. Jones, A. Gary, B. Kohl, R. Fillon, H. Roberts, B. O'Neill, R. Witmer

Biostratigraphy of a Pleistocene Shelf-Edge Delta System, Northeastern Gulf of Mexico: Recognition of Delta Subenvironments ......................................................... 359
B. Kohl, R. Fillon, H. Roberts

Late Pleistocene Sequence Stratigraphy of the Shelf-Edge and Upper Slope in the Viosca Knoll Area of the Northeast Gulf Of Mexico ..................................................... 391
V. Kolla, R. Fillon, H. Roberts, B. Kohl, B. Long

Shelf Margin/Upper Slope Sedimentation Patterns of the Lower Cristellaria "I" Depositional Sequence, Southeast Louisiana ................................................................. 402
P. Lawless, M. Ledet

Volume 2

Coarse-Tail Graded, Structureless Strata: Indicators of an Internal Hydraulic Jump .......... 426
S. Leclair, R. Arnott

Review of Continental Margin Structural Strength and Stability ....................................... 445
A. Lowrie, B. Battista

The Influence of Local Gradients on Accommodation Space and Linked Depositional Elements Across a Stepped Slope Profile, Offshore Brunei ........................................ 450
T. McGilvery, D. Cook

Shelf Margin Deltas: The Key to BIG Reserves ................................................................. 483
L. Meckel

Linking Shelf-Edge Deltas to Deep-Water Sheet Sand and Channel Turbidite Reservoirs: Three Examples from the Miocene--Pleistocene, Gulf of Mexico .................. 521
L. Meckel, M. Dean, M. Harris, M. Medeiros, D. Christensen, J. Booth

Fluvially Incised Shelf-Edge Deltas and Linkage to Upper Slope Channels (Central Tertiary Basin, Spitsbergen) ............................................................................. 525
D. Mellere, A. Breda, R. Steel

Asymmetric Rifting and the Northern Gulf of Mexico Supra-Salt Platform: Implications for the Initial Depositional Setting of Texas-Louisiana Tertiary Clastic Systems ...................................................... 561
J. Pindell, L. Kennan, T. Watts

Downslope Sediment Transport Processes and Sediment Distributions at the East Breaks, Northwest Gulf of Mexico ........................................................................... 565
J. Piper, E. Behrens
A Linked Shelf-Edge Delta and Slope-Channel Turbidite System: 3D Seismic Case
Study from the Eastern Gulf of Mexico ............................................................. 592
H. Posamentier

Late Quaternary Shelf-Edge Deltas from Northeastern Gulf of Mexico and Eastern
Borneo (Indonesia): A Comparison .................................................................. 612
H. Roberts, J. Sydow, R. Fillion, B. Kohl

Lowstand Deltas and a Basin-Floor Fan, Pleistocene, Offshore East Kalimantan,
Indonesia ............................................................................................................ 617
A. Saller, J. Noah, R. Fillion, A. Ruzuar

Influence of Shelf and Slope Processes on Deep-Water Sedimentation .............. 636
E. Scott, A. Bouma

The Prospective Deep Miocene in the Gulf of Mexico Shelf: Compartmentalization
Knowledge of the Geopressed Depositional System Sheds Light on Immense
Exploration Potential ....................................................................................... 656
S. Shaker, W. Wornardt

Shelf Margin Deltas and Associated Deep-Water Deposits: Implications on
Reservoir Distribution and Hydrocarbon Entrapment, Block VI-1, Ulleung Basin,
East Sea, South Korea ........................................................................................ 674
J. Sneider

Shelf-Edge Delta Types and Their Sequence-Stratigraphic Relationships .......... 693
R. Steel, S. Porebski, P. Plink-Bjorklund, D. Mellere, M. Schellipeper

Late Quaternary Shelf Margin Deltas, Northern Gulf of Mexico ......................... 719
J. Suter

Stacked Shelf-Edge Delta Reservoirs of the Columbus Basin, Trinidad, West Indies ...... 736
J. Sydow, J. Finneran, A. Bowman

Transition from Shelf Margin Delta to Slope Fan--Outcrop examples from the
Tanqua Karoo, South Africa .............................................................................. 761
G. Wach, A. Bouma, T. Lukas, H. Wickens, R. Goldhammer

Plio-Pleistocene Shelf Margin Deltas From Trinidad--Outcrop and Subsurface
Examples ........................................................................................................... 774
G. Wach, J. Frampton, J. Sydow, L. Wood

McAllen Ranch, S.E. Texas-Vicksburg Shelf Margin Deltas .................................. 779
G. Wach, D. Kuhfal, D. McCarty

Integrated Analysis of the Upper Jurassic Bossier Deltaic Complex, East Texas .......... 787
J. Wagner, P. Zippi, L. Brooks, T. Sheffield, M. Dablain, K. Stevens

Connections Across the Shelf-Slope Transition, Late Quaternary Rio Grande
Deltaic System ................................................................................................... 807
J. Wellner, J. Anderson, L. Banfield

Sequence Boundary Ambiguities in Shelf-Margin Deltas and the Shelf-Slope
Transition: Illustrations from the Pleistocene of the Gulf of Mexico ..................... 815
C. Winker, R. Shipp

Upper Miocene Depositional History and Paleogeographic Evolution of Central
Gulf of Mexico Basin .......................................................................................... 818
X. Wu, W. Galloway

Wilcox Depositional Systems: Shelf to Deep Basin ............................................ 845
L. Zarra, D. Meyer, S. Neal

Author Index