Contents

Foreword vii

Part 1: Introduction

UK Oil and Gas Fields – An Overview by J. G. GLUYAS & H. M. HICHENS 3
Lessons from oil and gas exploration in and around Britain by R. F. P. HARDMAN 5
The tectonic and stratigraphic framework of the United Kingdom’s oil and gas fields by J. R. UNDERHILL 17

Part 2: East Irish Sea Fields

The Douglas Oil Field, Block 110/13b, East Irish Sea by A. YALIZ & N. McKIM 63
The Hamilton and Hamilton North Gas Fields, Block 110/13a, East Irish Sea by A. YALIZ & P. TAYLOR 77
The Lennox Oil and Gas Field, Block 110/15, East Irish Sea by A. YALIZ & T. CHAPMAN 87
The North Morecambe Field, Block 110/2a, East Irish Sea by G. COWAN & T. BOYCOTT-BROWN 97
The South Morecambe Gas Field, Blocks 110/2a, 110/3a, 110/7a and 110/8a, East Irish Sea by J. C. BASTIN, T. BOYCOTT-BROWN, A. SIMS & R. WOODHOUSE 107

Part 3: Atlantic Margin Fields

The Foinaven Field, Blocks 204/19, 204/24a, UK North Sea by A. G. CARRUTH 121

Part 4: Viking Graben Fields

The Andrew and Cyrus Fields, Blocks 16/27a, 16/28, UK North Sea by J. E. JOLLEY 133
The Armada development, UK Central North Sea: The Fleming, Drake and Hawkins Gas-Condensate Fields by I. A. STUART 139
The Beryl Field, Block 9/13, UK North Sea by R. M. KARASEK, R. L. VAUGHAN & T. T. MASUDA 153
The Birch Oil Field, Block 16/12a, UK North Sea by J. HOOK, A. ABBVANI, J. G. GLUYAS & M. LAWLOR 167
The Central Brae Field, Blocks 16/07a, 16/07b, UK North Sea by K. J. FLETCHER 183
The East Brae Field, Blocks 16/03a, 16/03b, UK North Sea by S. R. BRANTER 191
The North Brae and Beinn Fields, Block 16/7a, UK North Sea by J. A. BREHM 199
The South Brae Field, Blocks 16/07a, 16/07b, UK North Sea by K. J. FLETCHER 211
The West Brae and Sedgwick Fields, Blocks 16/06a, 16/07a, UK North Sea by S. D. WRIGHT 223
The Brent Field, Block 211/29, UK North Sea by S. R. TAYLOR, J. ALMOND, S. ARNOTT, D. KEMSHELL & D. TAYLOR 233
The Deveron Field, Block 211/18a, UK North Sea by A. M. BROWN & A. D. MILNE 251
The Don Field, Blocks 211/13a, 211/14, 211/18a, 211/19a, UK North Sea by A. D. MILNE & A. M. BROWN 257

Part 5: Moray Firth Fields

The Balmoral, Glamis and Stirling Fields, Block 16/21, UK Central North Sea by M. GAMBARO & V. DONAGEMMA 359
The Britannia Field, Blocks 15/29a, 15/30, 16/26, 16/27a, 16/27b, UK North Sea by P. J. HILL & A. J. PALFREY 415
The Captain Field, Block 13/22a, UK North Sea by S. J. PINNOCK & A. R. CLITHEROE 431
The Ivanhoe, Rob Roy and Hamish Fields, Block 15/21, UK North Sea by M. A. HARVEY & S. CURRIE 443
The MacCulloch Field, Block 15/24b, UK North Sea by C. GUNN, J. A. MACLEOD, P. SALVADOR & J. TOMKINSON 453
The Scott Field, Blocks 15/21a, 15/22, UK North Sea by S. GUSCOTT, K. RUSSELL, A. THICKPENNY & R. PODDUBIUK 467

Part 6: Central Graben Fields

The Auk Field, Block 30/16, UK North Sea by N. H. TREWIN, S. G. FRYBERGER & H. KREUTZ 485
The Banff Field, Blocks 22/27a, 29/2a, UK North Sea by N. EVANS, J. A. MACLEOD, N. MACMILLAN, P. RORISON & P. SALVADOR 497
The Curlew Field, Block 29/7, UK North Sea by G. ENEYOK, P. BUSSINE & A. MAAN 509
The Erskine Field, Block 23/26, UK North Sea by R. N. COWARD 523
The Fife and Fergus Fields, Block 31/26a, UK North Sea by M. SHEPHERD, A. MACGREGOR, K. BUSH & J. JACOBI 537
The Flora Field, Blocks 31/26a, 31/26c, UK North Sea by R. D. HAYWARD, C. A. L. MARTIN, D. HARRISON, G. VAN DORT, S. GUTHRIE & N. PADGET 549
The Forties and Brimmond Fields, Blocks 21/10, 22/6a, UK North Sea by A. CARTER & J. HEALE 557
The Fulmar Field, Blocks 30/16, 30/11b, UK North Sea by O. KUHN, S. W. SMITH, K. VAN NOORT & B. LOISEAU 563
The Maureen Field, Block 16/29a, UK Central North Sea by P. M. CHANDLER & B. DICKINSON 587

The Dunbar, Ellon and Grant Fields (Alwyn South Area), Blocks 3/8a, 3/9b, 3/13a, 3/14, 3/15, UK North Sea by J. S. RITCHIE 265
The Harding Field, Block 9/23b by A. J. BECKLY, T. NASH, R. POLLARD, C. BRUCE, P. FREEMAN & G. PAGE 283
The Heather Field, Block 2/5, UK North Sea by S. KAY 291
The Kingfisher Field, Block 16/8a, UK North Sea by S. SPENCE & H. KREUTZ 305
The North Cormorant Field, Block 211/21a, UK North Sea by L. BATER 315
The Staifa Field, Block 3/8b, UK North Sea by J. G. GLUYAS & J. R. UNDERHILL 327
The Statford Field, Blocks 33/9, 33/12 Norwegian sector, Blocks 211/24, 211/25 UK sector, Northern North Sea by K. A. GJBONS, C. A. JORDAN & J. BEYHUN 335
The T-Block Fields, Block 16/17, UK North Sea by M. GAMBARO & V. DONAGEMMA 369
The Thistle Field, Blocks 211/18a, 211/19a, UK North Sea by A. M. BROWN, A. D. MILNE & A. KAY 383
The Moira Field, Block 16/29a, UK Central North Sea by P. M. Chandler & B. Dickinson 603
The Montrose, Arbroath and Arkwright Fields, Blocks 22/17, 22/18, 22/23a, UK North Sea by A. J. C. Hogg 611
The Nelson Field, Blocks 22/11, 22/6a, 22/7, 22/12a, UK North Sea by J. M. Kunka, G. Williams, B. Cullen, J. Boyd-Gorst, G. R. Dyer, J. A. Garnham, A. Warnock, J. Wardell, A. Davies & P. Lynes 617
The Pierce Field, Blocks 23/22a, 23/27, UK North Sea by P. Birch & J. Haynes 647

Part 7: Southern North Sea Gas Fields

The Barque Field, Blocks 48/13a, 48/14, UK North Sea by M. J. Sarginson 663
The Boulton Field, Block 44/21a, UK North Sea by A. M. Conway & C. Valvatne 671
The Camelot Fields, Blocks 53/1a, 53/2, UK North Sea by R. M. Karasek & J. R. Hunt 681
The Clipper Field, Blocks 48/19a, 48/19c, UK North Sea by M. J. Sarginson 691
The Corvette Field, Block 49/24, UK Southern North Sea by A. P. Hillier 699
The Davy, Bessemer, Beaufort and Brown Fields, Blocks 49/23, 49/30a, 49/30c, 53/5a, UK North Sea by C. W. McCrone 705
The Guinevere Field, Block 48/17b, UK North Sea by M. Lappin, D. J. Hendry, I. A. Saikia 723
The Hewett Fields: Blocks 48/28a, 49/29, 48/30, 52/4a, 52/5a, UK North Sea: Hewett, Deborah, Big Dotty, Little Dotty, Della, Dawn and Delilah Fields by P. Cooke-Yarborough & E. Smith 731
The Indefatigable Field, Blocks 49/18, 49/19, 49/23, 49/24, UK North Sea by C. W. McCrone, M. Gainski & P. J. Lumsden 741
The Johnston Gas Field, Blocks 43/26a, 43/27a, UK Southern North Sea by D. E. Lawton & P. P. Roberson 749
The Leman Field, Blocks 49/26, 49/27, 49/28, 53/1, 53/2, UK North Sea by A. P. Hillier 761
The Malory Field, Block 48/12d, UK North Sea by R. E. O'Brien, M. Lappin, F. Komlosi & J. A. Loftus 771
The Mercury and Neptune Fields, Blocks 47/9b, 47/4b, 47/5a, 42/29, UK North Sea by B. Smith & V. Starcher 777
The Moordoch Gas Field, Block 44/22a, UK Southern North Sea by A. M. Conway & C. Valvatne 789
The Pickerill Field, Blocks 48/11a, 48/11b, 48/12c, 48/17b, UK North Sea by O. C. Werngren, D. Manley & A. P. Heward 799
The Schooner Field, Blocks 44/26a, 43/30a, UK North Sea by A. Moscariello 811
The Sean North, Sean South and Sean East Fields, Block 49/25a, UK North Sea by A. P. Hillier 825
The Trent Gas Field, Block 43/24a, UK North Sea by P. T. O'Mara, M. Merryweather, M. Stockwell & M. Bowler 835
The Tyne Gas Fields, Blocks 44/18a, UK North Sea by P. T. O'Mara, M. Merryweather & D. S. Cooper 851
The V-Fields, Blocks 49/16, 49/21, 48/20a, 48/25b, UK North Sea by J. Courtier & H. Riches 861
The Viking Field, Blocks 49/12a, 49/16, 49/17, UK North Sea by H. Riches 871
The Waveney Field, Block 48/17c, UK Southern North Sea by D. R. S. Bruce & P. Rebor 881
The Windermere Gas Field, Blocks 49/9b, 49/4a, UK Southern North Sea by R. J. Bailey & J. E. Clever 893

Part 8: East Midlands Basin Fields

The Hatfield Moors and Hatfield West Gas (storage) Fields, South Yorkshire by J. Ward, A. Chan & B. Ramsay 905
The Saltfleetby Field, Block L 47/16, Licence PEDL 005, Onshore UK by T. Hodge 911
The West Firsby Oilfield, Development Licence 003, Lincolnshire by R. J. Bailey 921

Part 9: Weald and Wessex Basin Fields

The Kimmeridge Bay Oilfield, Dorset, UK Onshore by J. G. Gluyas, I. J. Evans & D. Richards 943

Appendix 1

Appendix 2

Index

It is recommended that reference to all or part of this book should be made in one of the following ways:
