

## Contents

|  |     |  |     |
|--|-----|--|-----|
| Foreword   | vii |  |     |
| <b>Part 1: Introduction</b>  |     |  |     |
| UK Oil and Gas Fields – An Overview <i>by</i> J. G. GLUYAS & H. M. HICHENS   | 3   | The Dunbar, Ellon and Grant Fields (Alwyn South Area), Blocks 3/8a, 3/9b, 3/13a, 3/14, 3/15, UK North Sea <i>by</i> J. S. RITCHIE                                    | 265 |
| Lessons from oil and gas exploration in and around Britain <i>by</i> R. F. P. HARDMAN  | 5   | The Harding Field, Block 9/23b <i>by</i> A. J. BECKLY, T. NASH, R. POLLARD, C. BRUCE, P. FREEMAN & G. PAGE   | 283 |
| The tectonic and stratigraphic framework of the United Kingdom's oil and gas fields <i>by</i> J. R. UNDERHILL  | 17  | The Heather Field, Block 2/5, UK North Sea <i>by</i> S. KAY  | 291 |
|  |     | The Kingfisher Field, Block 16/8a, UK North Sea <i>by</i> S. SPENCE & H. KREUTZ  | 305 |
|  |     | The North Cormorant Field, Block 211/21a, UK North Sea <i>by</i> L. BATER  | 315 |
|  |     | The Staffa Field, Block 3/8b, UK North Sea <i>by</i> J. G. GLUYAS & J. R. UNDERHILL  | 327 |
|  |     | The Statfjord Field, Blocks 33/9, 33/12 Norwegian sector, Blocks 211/24, 211/25 UK sector, Northern North Sea <i>by</i> K. A. GIBBONS, C. A. JOURDAN & J. HESTHAMMER | 335 |
| <b>Part 2: East Irish Sea Fields</b>   |     | The Strathspey Field, Block 3/4a, UK North Sea <i>by</i> G. MAXWELL, R. E. STANLEY & D. C. WHITE   | 355 |
| The Douglas Oil Field, Block 110/13b, East Irish Sea <i>by</i> A. YALIZ & N. MCKIM   | 63  | The T-Block Fields, Block 16/17, UK North Sea <i>by</i> M. GAMBARO & V. DONAGEMMA  | 369 |
| The Hamilton and Hamilton North Gas Fields, Block 110/13a, East Irish Sea <i>by</i> A. YALIZ & P. TAYLOR   | 77  | The Thistle Field, Blocks 211/18a, 211/19a, UK North Sea <i>by</i> A. M. BROWN, A. D. MILNE & A. KAY   | 383 |
| The Lennox Oil and Gas Field, Block 110/15, East Irish Sea <i>by</i> A. YALIZ & T. CHAPMAN   | 87  |  |     |
| The North Morecambe Field, Block 110/2a, East Irish Sea <i>by</i> G. COWAN & T. BOYCOTT-BROWN  | 97  | <b>Part 5: Moray Firth Fields</b>  |     |
| The South Morecambe Gas Field, Blocks 110/2a, 110/3a, 110/7a and 110/8a, East Irish Sea <i>by</i> J. C. BASTIN, T. BOYCOTT-BROWN, A. SIMS & R. WOODHOUSE | 107 | The Balmoral, Glamis and Stirling Fields, Block 16/21, UK Central North Sea <i>by</i> M. GAMBARO & M. CURRIE   | 395 |
|  |     | The Britannia Field, Blocks 15/29a, 15/30, 16/26, 16/27a, 16/27b, UK North Sea <i>by</i> P. J. HILL & A. J. PALFREY  | 415 |
| <b>Part 3: Atlantic Margin Fields</b>  |     | The Captain Field, Block 13/22a, UK North Sea <i>by</i> S. J. PINNOCK & A. R. J. CLITHEROE   | 431 |
| The Foinaven Field, Blocks 204/19, 204/24a, UK North Sea <i>by</i> A. G. CARRUTH   | 121 | The Ivanhoe, Rob Roy and Hamish Fields, Block 15/21, UK North Sea <i>by</i> M. A. HARVEY & S. CURRIE   | 443 |
|  |     | The MacCulloch Field, Block 15/24b, UK North Sea <i>by</i> C. GUNN, J. A. MACLEOD, P. SALVADOR & J. TOMKINSON  | 453 |
|  |     | The Scott Field, Blocks 15/21a, 15/22, UK North Sea <i>by</i> S. GUSCOTT, K. RUSSELL, A. THICKPENNY & R. PODDUBIUK   | 467 |
| <b>Part 4: Viking Graben Fields</b>  |     | <b>Part 6: Central Graben Fields</b>   |     |
| The Andrew and Cyrus Fields, Blocks 16/27a, 16/28, UK North Sea <i>by</i> J. E. JOLLEY   | 133 | The Auk Field, Block 30/16, UK North Sea <i>by</i> N. H. TREWIN, S. G. FRYBERGER & H. KREUTZ   | 485 |
| The Armada development, UK Central North Sea: The Fleming, Drake and Hawkins Gas-Condensate Fields <i>by</i> I. A. STUART                                | 139 | The Banff Field, Blocks 22/27a, 29/2a, UK North Sea <i>by</i> N. EVANS, J. A. MACLEOD, N. MACMILLAN, P. RORISON & P. SALVADOR  | 497 |
| The Beryl Field, Block 9/13, UK North Sea, <i>by</i> R. M. KARASEK, R. L. VAUGHAN & T. T. MASUDA   | 153 | The Curlew Field, Block 29/7, UK North Sea <i>by</i> G. ENEYOK, P. BUSSINK & A. MAAN   | 509 |
| The Birch Oil Field, Block 16/12a, UK North Sea <i>by</i> J. HOOK, A. ABHVANI, J. G. GLUYAS & M. LAWLOR  | 167 | The Erskine Field, Block 23/26, UK North Sea <i>by</i> R. N. COWARD  | 523 |
| The Central Brae Field, Blocks 16/07a, 16/07b, UK North Sea <i>by</i> K. J. FLETCHER   | 183 | The Fife and Fergus Fields, Block 31/26a, UK North Sea <i>by</i> M. SHEPHERD, A. MACGREGOR, K. BUSH & J. WAKEFIELD   | 537 |
| The East Brae Field, Blocks 16/03a, 16/03b, UK North Sea <i>by</i> S. R. F. BRANTER  | 191 | The Flora Field, Blocks 31/26a, 31/26c, UK North Sea <i>by</i> R. D. HAYWARD, C. A. L. MARTIN, D. HARRISON, G. VAN DORT, S. GUTHRIE & N. PADGET                      | 549 |
| The North Brae and Beinn Fields, Block 16/7a, UK North Sea <i>by</i> J. A. BREHM   | 199 | The Forties and Brimmond Fields, Blocks 21/10, 22/6a, UK North Sea <i>by</i> A. CARTER & J. HEALE  | 557 |
| The South Brae Field, Blocks 16/07a, 16/07b, UK North Sea <i>by</i> K. J. FLETCHER   | 211 | The Fulmar Field, Blocks 30/16, 30/11b, UK North Sea <i>by</i> O. KUHN, S. W. SMITH, K. VAN NOORT & B. LOISEAU   | 563 |
| The West Brae and Sedgwick Fields, Blocks 16/06a, 16/07a, UK North Sea <i>by</i> S. D. WRIGHT  | 223 | The Maureen Field, Block 16/29a, UK Central North Sea <i>by</i> P. M. CHANDLER & B. DICKINSON  | 587 |
| The Brent Field, Block 211/29, UK North Sea <i>by</i> S. R. TAYLOR, J. ALMOND, S. ARNOTT, D. KEMSELL & D. TAYLOR   | 233 |  |     |
| The Deveron Field, Block 211/18a, UK North Sea <i>by</i> A. M. BROWN & A. D. MILNE   | 251 |  |     |
| The Don Field, Blocks 211/13a, 211/14, 211/18a, 211/19a, UK North Sea <i>by</i> A. D. MILNE & A. M. BROWN  | 257 |  |     |

|   |     |  |     |
|---|-----|--|-----|
| The Moira Field, Block 16/29a, UK Central North Sea<br><i>by</i> P. M. CHANDLER & B. DICKINSON  | 603 | The Murdoch Gas Field, Block 44/22a, UK Southern<br>North Sea <i>by</i> A. M. CONWAY & C. VALVATNE   | 789 |
| The Montrose, Arbroath and Arkwright Fields, Blocks<br>22/17, 22/18, 22/23a, UK North Sea <i>by</i> A. J. C. HOGG   | 611 | The Pickerill Field, Blocks 48/11a, 48/11b, 48/12c, 48/17b,<br>UK North Sea <i>by</i> O. C. WERNGREN, D. MANLEY &<br>A. P. HEWARD  | 799 |
| The Nelson Field, Blocks 22/11, 22/6a, 22/7, 22/12a,<br>UK North Sea <i>by</i> J. M. KUNKA, G. WILLIAMS,<br>B. CULLEN, J. BOYD-GORST, G. R. DYER,<br>J. A. GARNHAM, A. WARNOCK, J. WARDELL,<br>A. DAVIES & P. LYNES | 617 | The Schooner Field, Blocks 44/26a, 43/30a, UK North Sea<br><i>by</i> A. MOSCARIELLO  | 811 |
| The Pierce Field, Blocks 23/22a, 23/27, UK North Sea<br><i>by</i> P. BIRCH & J. HAYNES  | 647 | The Sean North, Sean South and Sean East Fields, Block<br>49/25a, UK North Sea <i>by</i> A. P. HILLIER   | 825 |
| <b>Part 7: Southern North Sea Gas Fields</b>  |     | The Trent Gas Field, Block 43/24a, UK North Sea<br><i>by</i> P. T. O'MARA, M. MERRYWEATHER, M. STOCKWELL<br>& M. M. BOWLER   | 835 |
| The Barque Field, Blocks 48/13a, 48/14, UK North Sea<br><i>by</i> M. J. SARGINSON   | 663 | The Tyne Gas Fields, Block 44/18a, UK North Sea<br><i>by</i> P. T. O'MARA, M. MERRYWEATHER &<br>D. S. COOPER   | 851 |
| The Boulton Field, Block 44/21a, UK North Sea<br><i>by</i> A. M. CONWAY & C. VALVATNE   | 671 | The V-Fields, Blocks 49/16, 49/21, 48/20a, 48/25b, UK<br>North Sea <i>by</i> J. COURTIER & H. RICHES   | 861 |
| The Camelot Fields, Blocks 53/1a, 53/2, UK North Sea<br><i>by</i> R. M. KARASEK & J. R. HUNT  | 681 | The Viking Field, Blocks 49/12a, 49/16, 49/17, UK North<br>Sea <i>by</i> H. RICHES   | 871 |
| The Clipper Field, Blocks 48/19a, 48/19c, UK North Sea<br><i>by</i> M. J. SARGINSON   | 691 | The Waveney Field, Block 48/17c, UK Southern North Sea<br><i>by</i> D. R. S. BRUCE & P. REBORA   | 881 |
| The Corvette Field, Block 49/24, UK Southern North Sea<br><i>by</i> A. P. HILLIER   | 699 | The Windermere Gas Field, Blocks 49/9b, 49/4a, UK<br>Southern North Sea <i>by</i> R. J. BAILEY & J. E. CLEVER  | 893 |
| The Davy, Bessemer, Beaufort and Brown Fields, Blocks<br>49/23, 49/30a, 49/30c, 53/5a, UK North Sea<br><i>by</i> C. W. MCCRONE  | 705 | <b>Part 8: East Midlands Basin Fields</b>  |     |
| The Gawain Field, Blocks 49/24, 49/29a, UK North Sea<br><i>by</i> R. A. OSBON, O. C. WERNGREN, A. KYEI, D. MANLEY<br>& J. SIX   | 713 | The Hatfield Moors and Hatfield West Gas (storage) Fields,<br>South Yorkshire <i>by</i> J. WARD, A. CHAN & B. RAMSAY   | 905 |
| The Guinevere Field, Block 48/17b, UK North Sea<br><i>by</i> M. LAPPIN, D. J. HENDRY, I. A. SAIKIA  | 723 | The Saltfleetby Field, Block L 47/16, Licence PEDL 005,<br>Onshore UK <i>by</i> T. HODGE   | 911 |
| The Hewett Fields: Blocks 48/28a, 48/29, 48/30, 52/4a,<br>52/5a, UK North Sea: Hewett, Deborah, Big Dotty,<br>Little Dotty, Della, Dawn and Delilah Fields<br><i>by</i> P. COOKE-YARBOROUGH & E. SMITH              | 731 | The West Firsby Oilfield, Development Licence 003,<br>Lincolnshire <i>by</i> R. J. BAILEY  | 921 |
| The Indefatigable Field, Blocks 49/18, 49/19, 49/23, 49/24,<br>UK North Sea <i>by</i> C. W. MCCRONE, M. GAINSKI &<br>P. J. LUMSDEN  | 741 | <b>Part 9: Weald and Wessex Basin Fields</b>   |     |
| The Johnston Gas Field, Blocks 43/26a, 43/27a, UK<br>Southern North Sea <i>by</i> D. E. LAWTON &<br>P. P. ROBERSON  | 749 | The Humbly Grove, Herriard, Storrington, Singleton,<br>Stockbridge, Goodworth, Horndean, Palmers Wood,<br>Bletchingley and Albury Fields, Hampshire, Surrey and<br>Sussex, UK Onshore <i>by</i> S. TRUEMAN | 929 |
| The Leman Field, Blocks 49/26, 49/27, 49/28, 53/1, 53/2,<br>UK North Sea <i>by</i> A. P. HILLIER  | 761 | The Kimmeridge Bay Oilfield, Dorset, UK Onshore<br><i>by</i> J. G. GLUYAS, I. J. EVANS & D. RICHARDS   | 943 |
| The Malory Field, Block 48/12d, UK North Sea <i>by</i> R. E.<br>O'BRIEN, M. LAPPIN, F. KOMLOSI & J. A. LOFTUS   | 771 | Appendix 1   | 949 |
| The Mercury and Neptune Fields, Blocks 47/9b, 47/4b,<br>47/5a, 42/29, UK North Sea <i>by</i> B. SMITH &<br>V. STARCHER  | 777 | Appendix 2   | 979 |
|   |     | Index  | 995 |

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

GLUYAS, J. G. & HICHENS, H. M. (eds) 2003. *United Kingdom Oil and Gas Fields, Commemorative Millennium Volume*. Geological Society, London, Memoirs, **20**.

YALIZ, A. & MCKIM, N. 2003. The Douglas Oil Field, Block 110/13b, East Irish Sea. *In*: GLUYAS, J. G. & HICHENS, H. M. (eds) *United Kingdom Oil and Gas Fields, Commemorative Millennium Volume*. Geological Society, London, Memoirs, **20**, 63–75.