

JOHN H MARTIN
Reservoir Development Advisor

Over 40 years in the international energy industry, now focusing on unitisation and redetermination, integrated technical consultancy and technical project management, particularly for large reservoir studies. Author of successful training courses in project management, reservoir studies, technical writing and field unitisation & redetermination.

Experience

1996 - Pres Director & Principal Advisor, John H Martin Associates Ltd

Unitisation; redetermination defence and Expert resolution; integrated development studies & farm-in/divestment evaluations. Project management & audit. Production & reservoir geology.

Unitisation advice: Recent roles confidential. Multiple previous unitisation projects (UK, West Africa, Brazil, Mexico, Egypt, Thailand, Pakistan, Falklands). **Strategic/technical unitisation and determination advisor:** LNG Mozambique (Anadarko). **Member of AIPN drafting committee for 2020 revision of UOOA Model Form.** Negotiation support, committee representation, agreement drafting.

Redetermination defence/advice: Recent roles confidential. Previous roles included **redetermination advisor**, offshore Sabah, PNG LNG, ROD Field Algeria (BHP Billiton). Strategic equity advice, North Africa): **procedures and basis for determination**. Algeria ORD redetermination work for CEPSA: edited and **compiled technical submission** and further response to Expert. **Project advisor** for partner in GOLDENEYE Field Redetermination. **Project co-ordinator**, major Norwegian North Sea redetermination: strategic/technical and project management work for a 15-person team for all phases of redetermination. **Redetermination advisor**, large West of Shetlands field: formulated, advised and participated in a defence work programme for unit interest holder and assisted partner strategy. Technical supervision of subcontractors. **Advisor** for SNS field redefinition and also on procedures and UOA-related issues for several UK and international clients.

Redetermination Expert: Projects over a 20-year timespan; most recently 2016. Redetermination Expert Team **Joint Project Manager:** SE Asia: five-phase keystone approach; also GRANE Field; FLYNDRE Field). **Redetermination Expert**, Norway and offshore Canadian field (TERRA NOVA): **compiled Expert report**. **Peer reviewer** for Expert determination of GRANE Field, Norway. **Project manager/co-ordinator** of Expert teams for two major redeterminations, offshore Norway. Similar roles for onshore Netherlands gas field reserves redetermination and first determination of a UK North Sea field.

Technical dispute resolution: **Technical advisor** on offshore ownership legal dispute; SE Asia. **Expert to Appeal Court of The Hague** for resolution of dispute relating to LOGGER field, offshore Netherlands: edited and compiled draft and final reports.

Farm-in/acquisition & data room evaluation: **Experienced data room team member and team co-ordinator**. Farm-in Asset review, Algeria, Egypt Gulf of Suez and Western Desert, for Premier Oil. Dataroom evaluations of potential field development projects: and licence technical work (Ghana, Congo, Cameroon). Opportunity evaluation (Ghana, Cabinda, Madagascar). **Co-ordinated technical studies** in support of EPSA gas bid round application

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(Sirte Basin). **Established asset evaluation team** (Nigerian asset) for UK trading company. **Dataroom evaluation** for international and SNS assets (including preparatory work for LSE Competent Person's Reports). Over ten further dataroom/asset evaluations on a range of assets for potential UKCS new entrants.

Farm-out & divestment packages: Prepared **farm-out package** for discovery, offshore India. Prepared **divestment packages and dataroom IMs** for multiple NNS and CNS assets for major UK operator: **technical co-ordination, presentation and follow-up of datarooms.**

Technical audits and study compilation: **Compiled in-house staff guides** for Uncertainty Evaluation and 3D Static Modelling; plus **EOR documentation** for CEPSA (Madrid). **Audit team member** for gas reserves/resources review, offshore Egypt, and independent technical audit for development project, offshore Newfoundland. **Compiler and editor** for major regional G&G HPHT study. Reviewed and edited board papers and stock market reports for European downstream company.

Field development & reservoir studies: Libyan **field review** for JOGMEC. Review and data gathering: producing assets for Nippon Oil; assistance with **field (re)-development proposals** for NAFOORA Field and Ghadames Basin discoveries. **Geological advisor** to field development team. Compiled two well proposals for Central North Sea new business development team. **Technical advisor/manager** of integrated reservoir engineering study of large carbonate reservoir, onshore Libya. **Technical consultancy** for CNS field pre-development planning; stranded asset geological evaluation, and other Tertiary fan exploration/appraisal projects. Permeability prediction study for Norwegian operator.

Training: In-house and public training courses on **Project Management/Technical Writing** in UK, NW Europe, Austria, Equatorial Guinea, Abu Dhabi, Egypt and Romania etc. In-house **Unitisation and Redetermination** workshops (various clients; UK, Norway, SE Asia). **Training management: contract holder** for total of 15 ONGC courses and other training courses (various clients). Seminars for major multinational, UK/Netherlands. **Other in-house courses** in UK, Norway, Indonesia and Hungary.

1989 - 96 Reservoir Development Consultant

Production & reservoir geology; integrated development studies. Project management. Equity Expert resolution & redetermination advice.

Integrated reservoir studies: **Project advisor/manager** for long-term geological and petroleum engineering studies of giant field in north Africa: responsible for technical content of studies, project planning and monitoring, team recruitment, report writing and presentation, also subcontracting of specialist studies. Compiled report and presentation for further two-year reservoir simulation study on the same field. Also provided **technical audit**, management and compilation/reporting of studies on four smaller fields in north Africa over an 18-month period.

Redeterminations: **Geological Expert** for three major UK field redeterminations and partner **Advisor** for a fourth equity project.

Outcrop analogue studies: **Geological fieldwork** over two seasons in complex glacial sandstone reservoir, Oman; applying ground-penetrating radar, shallow drilling and coring,

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conventional mapping and sedimentology. Field workshop and seminar to disseminate results.

Training: **Course presenter** for significant number of UK and international public and in-house training seminars in reservoir development geology, core description, project management in integrated reservoir studies, technical writing and presentation skills.

1989 - 91 Senior Lecturer: Dept. of Geology Imperial College, London

Designed and taught Reservoir Geology option of Petroleum Geology MSc course, and parts of Pet. Engineering MSc and European Diploma course in Reservoir Management.

1985 - 89 Senior *then* Principal Geologist: IPEC Ltd, London

Reservoir geological evaluation within the framework of integrated studies performed by petroleum engineering consultancy company. Input to reservoir simulation modelling, and also close liaison with petrophysical specialists.

Technical reservoir studies: In UK, Norway, Yemen and New Zealand: **oilfield development studies; geological modeling, permeability and net pay determination, volumetrics and prospect evaluation.** Clients included a range of major and independent oil companies and government agencies.

Research: Initiator and **joint supervisor** of joint academic/industrial research project on reservoir geology of Rotliegendes aeolian/sabkha sands.

Training: **Lecturer** on core evaluation, sedimentology and clastic reservoir geology on UK public training courses. Seminars on reservoir modelling in Norway and Libya.

1981 - 85 Reservoir Geologist: Shell E & P Labs, Rijswijk, Netherlands

Translated geological descriptions into numerical simulation models for planning and implementation of steam and polymer flood tests and applied statistical methods for predicting the distribution of permeability barriers.

Technical reservoir studies: Evaluated complex Permo-Carboniferous glacial clastic reservoirs in South Oman, involving facies characterisation from cores, dipmeter and other wireline logs; also outcrop study.

1979 - 84 Tutor (part-time): The Open University, UK

Courses in earth sciences, economic geology and earth resources.

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Education

PhD Geology (Sedimentology & Economic Geology) Edinburgh University (1981)

BA Geology 1st Class Hons Oxford University (1977)

Publications

Oakman, C, **Martin, J H** & Corbett, P (1997) (eds) *Cores from the NW European Hydrocarbon Province*. Geol. Soc., London.

Martin, J H (1994) **The geological basis of reservoir simulation: principles, problems and practical advice**. Keynote lecture, 5th Internat. Forum on Reservoir Simulation, Muscat.

Stiles, J H, **Martin, J H** & Pyle, G (1994) **Project management techniques to ensure successful reservoir evaluation**. Paper at conference 'Maximising Recoverable Reserves', Aberdeen.

Martin, J H (1993) **Braided fluvial reservoirs: the reservoir engineer's perspective**. In: Best, J, and Bristow, C (eds) *Braided rivers; form process and economic applications*. Spec. Pub. Geol. Soc, 75, 333-368.

Miller, M L B & **Martin, J H** (1993) **Reservoir management**. In: Parker, J R (ed) *Petroleum Geology of N W Europe: Proceedings of the Fourth Conference*. Geol. Soc., 1405-1408.

Also several SPE papers concerning reservoir modeling, and other pre-1990 publications

Training courses

For details of courses and workshops presented in **integrated reservoir studies, project management, unitisation and redetermination** and **technical writing** from 1990 to present see www.jhma-reservoir.com

This is a summary CV: for more specific details contact info@jhma-reservoir.com