

## Geoscience

*RISC Geoscience* is a key part of RISC's overall business.

*RISC's* very highly experienced and motivated team of geologists, geophysicists and petrophysicists have world-wide experience, developed through careers with many of the world's premier operating companies. We provide a range of support services to the E&P industry in both conventional and non-conventional (CBM, tight gas, fractured shale) settings. Our expertise includes:

- Reservoir characterisation and 3D static modelling
- Peer reviews
- Basin analysis
- Exploration studies
- Prospect generation, volumetrics and risking
- Field studies
- Portfolio management
- Seismic interpretation (including AVO, inversion, depth conversion etc)
- Bid studies, bid strategy & preparation
- Optimised appraisal planning
- Farmin/Farmout preparation representation and advice
- New business and regional strategies
- Joint venture representation
- Independent valuation.

*RISC* Geoscientists are experienced in clastics and carbonates, salt, fractured basement, extensional, compressional and wrench settings in basins of all ages and tectonic settings.

*RISC* Geoscientists have worked on projects across the globe specifically within the UK, Norway, The Netherlands, Ireland, parts of Eastern and Central Europe, CIS, Africa, Middle East, Australia, New Zealand, PNG, SE Asia, China, Indian Sub-Continent, USA, Brazil, Venezuela and Colombia.

*RISC's* core business is in the integration of multi-disciplinary data and our Geoscientists are well versed in cross-discipline interaction with project commerciality being the ultimate driver. *RISC's* geoscientists frequently work in integrated teams alongside reservoir engineers and commercial analysts and play a key role in reserves estimation/certification and valuation studies.

*RISC's* base software packages are Kingdom, Petrel and Petrosys with other packages accessed when required.

Summary biographies of team members are attached.

*Enabling our clients to make better decisions with greater confidence*

## KEY PERSONNEL IN THE RISC GEOSCIENCE TEAM

### JOE SALOMON

#### *Geoscience Manager – Perth*

Joe has more than 25 years of experience in oil and gas exploration and development worldwide. He has experience in the broad range of exploration technologies and disciplines, asset management, new business development and small company management and directorship. He has worked for large and small companies both on staff and as an independent consultant, providing technical and commercial advisory services.

### NICK EUSTANCE

#### *Principal Advisor (Geoscientist) – Perth*

Over 27 years of experience as a geoscientist, mainly with major operators. He has experience of all the major basins of Australia, as well as basins in Indonesia, Malaysia, Philippines, West and North Africa and the UK. Prior to joining RISC, Nick was PGS Reservoir's geoscience consultancy manager in Perth, with earlier careers in Agip and BP.

### ANDREW PITCHFORD

#### *Principal Consultant (Geologist) – Perth*

Over 25 years of experience encompassing exploration and development geology, geophysics and 3D geological modelling. In the last 3 years, Andrew has built 3D geological models for clients in the Asia Pacific area although the project location has ranged from Australia to Indonesia, Philippines, PNG, Africa, China, the North Sea and Yemen.

### DAYLE GILLIATT

#### *Principal Consultant (Geophysicist) – Perth*

Dayle has more than 30 years of experience in petroleum exploration and exploitation worldwide. He has extensive experience in asset management based E & P for resource companies specialising in all aspects of geophysical interpretation. He has also had a successful consulting career, providing varied services for resource companies in upstream exploration, production and new venture evaluation.

### KAREN WEBSTER

#### *Principal Consultant (Geologist) – Perth*

18 years of experience as a geoscientist in both the minerals and the petroleum industry, encompassing exploration and development geology, geophysics and 3D geological modelling. Karen has a broad geological background including well evaluation and operational experience, as well as excellent teamwork and communication skills.

### MICHAEL WALKER

#### *Principal Consultant (Petrophysicist) - Perth*

25 years of international oil industry experience in the areas of reservoir evaluation, exploration and production geology and petrophysics, connected with the planning, evaluation of exploration and field development programs. Mike was Foundation President of the Formation Evaluation Society of Victoria and currently Committee member of the Formation Evaluation Society of Western Australia.

### PAUL ROBINSON

#### *Principal Consultant (Geoscientist) – Perth*

Paul has over 25 years of experience in the oil and gas industry. He has specialised in fully integrated geological and seismic interpretation consulting services particularly in redevelopment, appraisal and in-field exploration projects, resource assessments, new venture acquisitions and onshore and offshore exploration programmes in Australia, India, Central Europe, West Africa, SE Asia and New Zealand.

### MIKE BUCKNILL

#### *Principal Consultant (Geoscientist) – Brisbane*

Mike has 25 years of experience in exploration and development, with international experience in a diverse range of basins encompassing diverse structural styles, trap types and reservoirs. Mike has a broad G&G background which complements specialist skills in seismic volume interpretation, reservoir characterisation and depth conversion. He has the ability to provide a competitive edge in rapidly identifying and assessing opportunities and risk.

**NICK HALL*****Principal Advisor (Geoscientist) – Brisbane***

Over 25 years of international experience as a geoscientist gained from operating, consulting and service company environments. He has extensive experience with clastic, carbonate and CSG sequences in the UK, North Sea, South America, Middle East, Africa, India and Australia. Nick has held various technical and leadership positions in multiple disciplines (subsurface, projects, legal and commercial) and project teams involved in development planning, reservoir management plus equity and reserves determination. Nick also has a specialisation in reservoir characterisation and 3D reservoir modelling including CO<sub>2</sub> geosequestration.

**ELAINE JONES*****Principal Consultant (Geologist) – London***

Elaine has over 25 years of experience in exploration and production geoscience, founded on a successful 20 year career with Royal Dutch Shell with assignments in Carbonate Geology Research and in Shell's operating companies in Turkey, Brunei, Canada, Colombia and Norway. Professional roles included E&P Geology / Seismic Department Leadership, Petroleum engineering and cross functional Team Leadership. She has commercial and strategic aptitude, reinforced by experience in A&D ventures in Colombia and Norway. Elaine's consulting work has included integrated subsurface modelling for a number of UKCS fields and a spectrum of asset evaluations and acreage reviews, including projects in Egypt, Yemen, Indonesia and Latin America.

**ALAN ATKINSON*****Principal Consultant (Geophysicist) – London***

Alan has 20 years of geoscience experience in exploration, field development and production in West Africa, India and the North Sea. Alan is an innovative and adaptable seismic interpretation geophysicist, using and developing state-of-the-art structural and stratigraphic interpretation techniques and is an expert in the application of high end geophysics.

**NIGEL BANKS*****Principal Advisor (Geoscientist) – London***

Over 30 years of experience in international oil exploration and production, both with oil companies and as a consultant. Nigel has the ability to carry out detailed and regional geological and geophysical studies, reservoir modelling, reserve estimates and asset evaluations. He has a broad knowledge of petroleum economics and reservoir engineering and has expertise in advising Governments and national oil companies.

**JOHN COLLINSON*****Principal Consultant (Geologist) – London***

John has over 35 years of experience in Stratigraphy and Sedimentology. He brings to hydrocarbon-related problems a deep and wide experience in clastic depositional environments, stratigraphic ages and geographic locations. For the past 15 years he has applied this experience as a consultant to the hydrocarbon industry in the North Sea and worldwide. He is a particular authority on the Carboniferous of the British Isles and the Southern North Sea and on fluvial, deltaic and deep-water successions.

**DR JOHN HOLROYD*****Principal Consultant (Geoscientist) – London***

Specialised sedimentologist with over 25 years of international experience focused on development and production geology, reservoir characterisation, sequence stratigraphy and facies analysis (clastic and carbonate) and technical auditing/asset evaluation. John has an exploration background combined with geostatistical, extensive mapping, geophysical interpretation and 3D modelling skills.