



# CURRICULUM VITAE

## PERSONAL

**Name:** Leslie May **ATKINSON** (Formerly HUGGARD)  
**Location:** Adelaide  
**Nationality:** Australian

## QUALIFICATIONS

- 1989 B.Sc. Honours (Geophysics)**  
University of Adelaide Thesis Title: "Examination of an Aeromagnetic Anomaly over the Talisker Mine Area on the Southern Fleurieu Peninsula, South Australia."
- 1988 B.Sc. - Majoring in Geology and Geophysics**  
University of Adelaide Degree included subjects in Petroleum Geology and Geophysics, Mineral Geology and Geophysics, Stratigraphy and Sedimentology, Structural Geology, and Seismic Wave Theory.
- 1982-1987 B.Sc. (Ma) - Majoring in Mathematics and Genetics**  
University of Adelaide, Degree included Applied Mathematics, Mathematical Statistics, Computing and Genetics.

## PROFESSIONAL MEMBERSHIPS

- Member of ASEG - Australian Society of Exploration Geophysicists.
- Member of PESA - Petroleum Exploration Society of Australia Ltd.

## AWARDS

- 1989: Best Presentation at ASEG (S.A. Branch) Student Night Seminars
- 1989: Notable mention at Australian Geological Society Student Night

## SKILLS

### Technical

- 3D seismic interpretation on field and semi-regional scales.
- 2D seismic interpretation and mapping on both prospect and regional scales.
- Extensive experience with computers for interpretation, mapping and modeling purposes. My interpretation experience includes PC based Kingdom Suite interpretation workstations, and single and dual screen Geoframe workstations. I have extensive experience in the use of Petrosys mapping package.



- Accredited trainer of Petrosys mapping software.
- Updating of well summary data and database details, and collation of various data.
- Interpretation of Magnetic and other potential field data in the exploration of mineral deposits.

### Other IT

- MS Office suite of programs, including Word, Excel and Powerpoint
- Internet literate.
- Use of database packages with considerable data entry and data management requirements.
- PC and Mainframe based computer systems.

### Communication

- Clear and concise report writing.
- Working within a multidisciplinary team.
- Great team player.
- Proven presentation skills to all levels of management.
- Competent in liaison and consultation with other Departments and Organisations.

### Other

- Perseverance and tenacity.
- Attention to detail.

### TECHNICAL PAPERS

- **Wiltshire, M. & Huggard, L., 2000.** Acoustic wave velocity modelling in sedimentary sequences: Exploration Geophysics Conference Edition, 31, 401-408. Honourable mention ASEG Conference in Perth, 2000
- **Wiltshire, M. & Huggard, L., 2000.** The 3-D acoustic process - A new approach to predicting acoustic wave performance in sediments: APPEA Journal 2000 367-378.
- **Wiltshire, M. & Huggard, L., 2000.** Compaction of sedimentary rocks: 2000 New Zealand Petroleum Conference Proceedings, pp 253-263. Best Paper award.

### PROFESSIONAL EXPERIENCE

#### Aug 2011 - Present      Atkinson Geophysical Pty Ltd

- Director of own Geophysical Consultancy company.
- Provide detailed interpretation and mapping of new oil and gas prospects, and the upgrading of prospects to drillable status via 2D and 3D seismic interpretation and mapping. Kingdom Suite software is utilised in the interpretation phase and Petrosys for mapping.
- Detailed appraisal of company portfolio for development of reserves and optimization of drilling programs.



- Generation of extensive suites of maps, to promote identified prospects.
- Follow wells through the drilling process and generate post well reviews. Also assist in the generation of Well Completion Reports
- Liaison with Company managers and Joint Venture partners.
- Preparation and presentation of materials to Managers and Technical Committee Meetings.
- Responsible for the generation of reports to management and Government.
- Accredited trainer of Petrosys mapping software

**Aug 2003 - Jul 2011      Stuart Petroleum Ltd**

- Exploration Geophysicist in a multi-disciplinary team within an oil exploration company.
- Responsible for the identification and detailed mapping of new oil and gas prospects, and the upgrading of prospects to drillable status via 2D and 3D seismic interpretation and mapping. Kingdom Suite software was utilised in the interpretation phase and Petrosys for mapping.
- Detailed appraisal of the company portfolio for development of company's reserves and optimization of drilling programs.
- Major duties included the generation of Seismic and Well Proposals, including extensive suites of maps, to promote identified prospects.
- Follow wells through the drilling process and generate post well reviews. Also assist in the generation of Well Completion Reports
- Liaison with managers and Joint Venture partners.
- Preparation and presentation of materials to Managers and Technical Committee Meetings.
- Liaison with the seismic processing department is an integral part of my responsibilities.
- Responsible for the generation of reports to management and Government.

**Aug 2002 - Aug 2003      Santos Ltd.      Gas Exploitation**

- Development Geophysicist in a multi-disciplinary team within major gas and oil exploration company.
- Responsible for detailed mapping of existing fields to aid volumetric determinations and identification of development drilling locations. Interpretation was achieved with the use of Geoframe software and Petrosys mapping package.
- Responsible for the generation of reports to management and Government.

**July 2001 - Aug 2002      Primary Industry & Resources of SA (Petroleum Division)**

- Updating of the Uphole Database within the PEPS (Petroleum Exploration & Production System) database.
- Call-up of archived reports and collation of required data from these reports.
- Uphole data was then entered into the PEPS database. This also required the determination of spatial co-ordinates of each uphole from navigation file data.
- Extensive data checking was required.

**Nov 1999 - Jan 2000      Eastern Textile Traders**

- Running of four head embroidery machine.
- Folding and packing of garments.
- Some responsibility for phone and customer liaison.



### **July 1998 - Oct 1999     Mount Barker Business Services**

- General subcontracting to Geological and Geophysical companies involved in the petroleum and minerals exploration and service industries.
- Assisted in the development of a new method to predict sonic acoustic wave performance in wells lacking sonic data (See Technical Papers).
- Collation and preparation of well data for on-selling to petroleum exploration companies, and updating database details.
- Interpretation and mapping of geophysical data in the exploration of mineral copper deposits.

### **Aug 1990 - July 1998     Santos Ltd**

- Exploration Geoscientist as part of multidisciplinary teams within this major operating oil and gas Exploration Company.
- Responsible for the identification of new oil and gas prospects, and the upgrading of prospects to drillable status via 2D seismic interpretation and mapping. Geoquest workstations were utilised in the interpretation phase.
- Major duties included the generation of Seismic and Well Proposals, including extensive suites of maps, to promote identified prospects.
- Followed wells through the drilling process and have generated post-mortem reports.
- Liaison with managers at all levels from team leader through to upper management and Joint Venture partners.
- Preparation and presentation of materials to Managers and Technical Committee Meetings.
- Liaison with the seismic processing department was an integral part of my responsibilities.

Prior to 1990 I performed contract and vacation work in the Petroleum and Minerals industries. My experiences included computer based modelling of complex magnetic data from a large airborne magnetic survey.

Throughout my studies I carried out part-time work as a technician for the Genetics Dept, University of Adelaide and the School of Pharmacy, at SA Institute of Technology (now University of SA).

## **PROFESSIONAL DEVELOPMENT/INDUSTRY TRAINING**

- Structural Geology, South and West England
- Integrated Subsurface Mapping (IHRDC)
- Velocity as an Interpretation Tool (IHRDC)
- Reservoir Engineering for Geologists & Geophysicists (Curtin University of Tech. & APCRC)
- Reservoir Geophysics for Engineers Geologists & Geophysicists, (Curtin University)
- Formation Evaluation - Intermediate Concepts (AMF - Don Helander)
- Interpretation of 3D Seismic Data (AMF - Alister Brown)
- Play Fairway (Basin) Analysis (Energy Personnel & Development Services)
- Risk Analysis (Dr. Peter Rose)
- Depth Conversion (Dr. Mac Al Chalabi)
- Introduction to Petrel



- Comprehensive 2D/3D, Vupak, Earthpak training for SMT
- Recent Advances in High Resolution Sequence Stratigraphy (PESA)
- Basin Analysis (Martin Norvick)
- Seismic Attribute Mapping of Structure and Stratigraphy (Kurt Marfurt)
- Quantitative Seismic Methods (Prof. Martin Landro)
- Petroleum GeoEngineering: Integration of Static and Dynamic Models (Patrick Corbett)
- Apatite Fission Track Analysis (Ian Duddy)
- Fluvial Depositional Architecture and Sequence Stratigraphy (Tobias Payenberg)
- 4WD Training

## COMMUNITY PARTICIPATION

- Currently - Fire Marshall in motor sport fire and rescue with over 15 years active service.
- 19 years service with the Country Fire Service (CFS), 15 years as an active fire fighter.
- Administration Officer in the CFS for eight years.

My community participation has provided me with a wide range of skills that I have transferred to my professional career. The necessity to make decisions and solve problems quickly, and at times work under considerable pressure, has contributed to my mental training, composure when required and the ability to quickly size up a problem and focus on solutions. I have been worked in and led teams and can develop team relationships quickly with many different personality types. The physical skills required for these services have also developed my lateral thinking and physical agility, and has provided me with a great resource to draw on at work.

## REFEREES

Mr Tino Guglielmo, Ph: 0407 336 668 Email: [tino\\_guglielmo@hotmail.com](mailto:tino_guglielmo@hotmail.com)

Mr. Bob Frears, Senex Energy. 144 Edward St BRISBANE, QLD 4001 Ph: (07) 3837 9944  
Email: [robert.freear@senexenergy.com.au](mailto:robert.freear@senexenergy.com.au)

Mr. M. Wiltshire, Wiltshire Geological Services 13 St. Andrews Ave. MOUNT OSMOND, SA 5064 Ph: 8379 3246 Email: [wgservices@bigpond.com](mailto:wgservices@bigpond.com)

Mr. D. Cockshell, Primary Industries & Resources GPO Box 1671 ADELAIDE SA 5001 Ph: 8463 3233 Email: [Dave.Cockshell@sa.gov.au](mailto:Dave.Cockshell@sa.gov.au)



Contact us: [info@ausgeos.com.au](mailto:info@ausgeos.com.au) | [www.AusGeos.com.au](http://www.AusGeos.com.au) | M: 0423 153 122