



## **ATTILA A. SZABO, P.Eng.**

### ***Partner***

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Attila is an Partner at Sproule and has been a Sproule professional since 2011. Attila has over 30 years' experience, primarily in the area of the coordination and evaluation of property reserve evaluations throughout Canada in addition to various international projects in China, India, Kuwait, Pakistan and the United States. Attila has also provided support to legal teams for litigation and has provided expert witness testimony

### ***Diplomas and Degrees***

- ❖ B.Sc., Chemical Engineering (1980), University of Calgary, Calgary, Alberta, Canada

### ***Continuing Education***

- ❖ Production Engineering I and II
- ❖ Oil and Gas Well Completions and Workovers
- ❖ Basic Formation Evaluation
- ❖ Production Optimization
- ❖ Beam Lift
- ❖ Reservoir Engineering
- ❖ Pressure Transient Analysis
- ❖ Drillstem Test Analysis
- ❖ Geology for Engineers
- ❖ Economics for Engineers
- ❖ Conventional Improved Recovery
- ❖ Introduction to Value Navigator, Energy Navigator
- ❖ Application of Value Navigator Fundamentals, Energy Navigator
- ❖ Mosaic Course, Entero Corporation

### *Memberships*

- ❖ Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA)
- ❖ Society of Petroleum Engineers (SPE)
- ❖ Society of Petroleum Evaluation Engineering (SPEE)

### *Work Responsibilities*

- ❖ Responsible for the estimation of oil and gas reserves and economics for property and corporate evaluations.
- ❖ Conduct evaluations of conventional petroleum and natural gas properties and cold heavy oil production using a variety of engineering software.
- ❖ Perform property and corporate evaluations using decline analysis, volumetrics, material balance and various performance prediction techniques and model economics using Sproule's in-house model winNeval, Merak's CANADIAN PEEP, Energy Navigator's VALUE NAVIGATOR, Entero's MOSAIC software, Petro-Soft Systems ERGO, DECPRO and P/Z, Fekete's RTA, TRC's PHDWIN.
- ❖ Gather and assess reservoir, economic and geological data required for the evaluation process.
- ❖ Assist clients with corporate planning and business development, and profitability analyses for oil and gas investment.
- ❖ Conduct oil and gas deliverability studies.
- ❖ Provide evaluation expertise with regard to acquisitions and divestitures.
- ❖ Provide production exploitation and optimization strategies.
- ❖ Analyze profitability for exploration and development projects.
- ❖ Provide expert opinion and testimony.
- ❖ Prepare oral and written reports.
- ❖ Mentorship and guidance to junior staff.

### *Previous Employers*

- ❖ 2004–2011 **DeGolyer and MacNaughton**, Calgary, Alberta

2004 – Vice-President; 2008 Senior Vice-President

- ❖ Responsible for the coordination and evaluation of property reserve evaluations throughout Canada in addition to various international projects.
- ❖ Evaluation of oil and gas reserves in China, India, Kuwait, Pakistan and the United States.
- ❖ This included detailed reserves estimates, production and cash flow forecasting and appraisals for securities and financial reporting requirements.
- ❖ Evaluated a wide variety of Canadian properties from carbonates in the Williston Basin of southeastern Saskatchewan, heavy oil projects in west central Saskatchewan and northeastern Alberta, shallow gas in southern Alberta and Saskatchewan, clastics and carbonates in west central Alberta,

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northern Alberta and British Columbia.

- ❖ Provided acquisition and disposition evaluation support services as well as exploitation engineering support services for various clients.
  - ❖ Provided expert witness testimony.
  - ❖ Responsible for business development; securing and completing reserves evaluations projects and other engineering projects
  - ❖ Responsible for the training and mentoring of engineering and technical support staff. Under his supervision many engineers have received their professional status and technical support staff their certified accreditation.
- ❖ 1992–2004    **Outtrim Szabo Associates Ltd. (OSAL), Calgary, Alberta**
    - ❖ As Senior Vice–President, evaluated oil and gas reservoirs in Canada, the United States, China and Pakistan.
    - ❖ Assisted in providing a 13–week PAP – CIDA/RIPED Training Programme for Chinese delegates in 1996.
  - ❖ 1985–1992    **D&S Petroleum Consulting Group Ltd., Calgary, Alberta**
    - ❖ As Manager of Evaluations, was responsible for the complete preparation of company evaluations and the supervision of technical and support staff
  - ❖ 1980–1985    **Amoco Canada Petroleum Company Limited, Calgary, Alberta**
    - 1980–1983    Field Engineer
    - 1983–1985    Reservoir Engineer

### *Special Expertise*

- ❖ Attila has several years' experience mentoring staff, leading to the engineers receiving their professional status and the technical support staff acquiring their certified accreditation. He has also been involved in training and education of professional staff from other countries.
- ❖ As an active member of the Petroleum Society and SPEE, Attila was involved in the revisions to National Policy 2B, revisions to National Instrument 51–101.
- ❖ Attila is past chairman and vice–chairman of the Calgary Chapter of the SPEE, actively involved with the maintenance, update and the distribution of the Canadian Oil and Gas Evaluations Handbook (COGEH).

### *Committee Work*

- ❖ Served as Chairman of the Society of Petroleum Evaluation Engineers (Calgary Section) from 2007–2008. Under his guidance the Calgary Section was incorporated as a non–profit Society.
- ❖ Served as Vice–Chairman of the Society of Petroleum Evaluation Engineers (Calgary

- Section) from 2009–2010
- ❖ Served on various technical committees with the SPE and the Petroleum Society
  
  - ❖ Chaired the “Resource to Reserves to Results” Conference in Calgary, November 4–7, 2002. This conference combined the annual conferences of the Petroleum Society's International Conference on Horizontal Well Technology (ICHWT), the SPE's International Thermal Operations and Heavy Oil Symposium (ITOHOS) and the Canadian Heavy Oil Associations Annual Business Conference (CHOA).
  - ❖ General Chairman of the Petroleum Society's 51st Annual Technical Meeting (under his guidance the conference was renamed to the Canadian International Petroleum Conference) held in Calgary June 4–8, 2000
  - ❖ Technical Committee member on the 7th One–Day Conference on Horizontal Well Technology held in Calgary on November 3, 1999 presented by the SPE Canadian Section and The Petroleum Society of CIM – Horizontal Wells Special Interest Group
  - ❖ General Co–Chairman and Technical Committee member of the 3rd Three–Day Conference and Trade Show on the Horizontal Wells held in Calgary November 1 – 4, 1998
  - ❖ General Chairman and Technical Committee member on the 6th One–Day Conference on Horizontal Well Technology held in Calgary on November 12, 1997 presented by the SPE Canadian Section and The Petroleum Society of CIM – Horizontal Wells Special Interest Group
  - ❖ Registration Chairman and Technical Committee member on the 2nd International Three–Day Conference and Trade Show on Horizontal Well Technology held in Calgary from November 18 – 20, 1996 presented by the SPE Canadian Section and The Petroleum Society of CIM– Horizontal Wells Special Interest Group.
  - ❖ Treasurer of the 5th Annual One–Day Conference on Horizontal Well Technology held in Calgary on November 21, 1995 presented by the SPE Canadian Section and The Petroleum Society of CIM Calgary Section– Horizontal Wells Special Interest Group.
  - ❖ Member of the Technical Committee on the 4th Annual One–Day Conference on Horizontal Wells held in Calgary on November 22, 1994 presented by the SPE Canadian Section and The Petroleum Society of CIM Calgary Section–Horizontal Wells Special Interest Group.
  - ❖ Technical Committee member on the Canadian SPE/CIM/CANMET International Conference on Recent Advances in Horizontal Well Applications held in Calgary on March 21 to 23, 1994.
  - ❖ Technical Committee member on the 3rd Annual One–Day Conference on Horizontal Wells held in Calgary on November 15, 1993 presented by the SPE Canadian Section and The Petroleum Society of CIM Calgary Section–Horizontal Wells Special Interest Group.

### *Special Recognition*

- ❖ The Outstanding Service Award in 1999 from the Petroleum Society of CIM.
- ❖ Service Award from SPE International in 2004 for outstanding volunteer service.