



ROBERT R. WARHOLM, P.Eng.

Manager, Engineering

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Rob is a Partner of Sproule and has been a Sproule professional since 2005. Rob is a Manager of Engineering at Sproule and is involved in the management of Sproule's Canadian projects. He has experience in Canada, the Sudan and the United States.

Diplomas and Degrees

- ❖ B.Sc. Chemical Engineering (1989), University of Calgary, Calgary, Alberta, Canada

Continuing Education

- ❖ Natural Gas Gathering and Processing, (2006) PIECE, Calgary
- ❖ The Down Stream Petroleum Industry, (2005) PIECE, Calgary
- ❖ Heavy Oil Production Technologies (2004) PIECE, Calgary
- ❖ Seismic for Engineers (2003), Petroleum Society of CIM, Calgary
- ❖ Fundamentals of Coalbed Methane (2003), John Seidle, Sproule Associates Ltd.
- ❖ DST Chart Interpretation (1992), Calgary
- ❖ Horizontal Well Technologies (1990), UPRI In-House Training, Calgary
- ❖ Log Interpretation, Fundamentals of Core Analysis, Special Core Analysis, Reservoir Fluids (1989-91) Core Laboratories Inc., Calgary

Memberships

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

Work Responsibilities

- ❖ Conduct evaluations of conventional petroleum and natural gas properties and resource assessments using a variety of engineering software.

- ❖ Reserves and resource evaluation of heavy oil and bitumen production, cold conventional and in-situ projects, and preparation of economics, in the Western Canada
- ❖ Evaluation of tight gas properties in the Western Canadian sedimentary basin.
- ❖ Conduct reservoir and production engineering studies to assist clients in valuing acquisition opportunities and potential.
- ❖ Co-ordination of corporate reserve evaluations and property divestment packages.

Previous Employers

- ❖ 1993-2005 **Reserve & Development Engineering Company, Calgary, Alberta —
President**
 - ❖ **Sproule Associates Limited, Evaluations Engineer (Fall/Winter)**
 - ❖ **Canadian Natural Resources Ltd., Exploitation Engineer & Asset Rationalization**
- ❖ 1995 **Inuvialuat Petroleum Corp., Calgary, Alberta — Exploitation Engineer**
- ❖ 1991-1993 **Coles Gilbert Ltd., Calgary, Alberta — Evaluations Engineer**
- ❖ 1988-1991 **Union Pacific Resources Ltd., Calgary, Alberta — Exploitation Engineer**

Special Expertise

- ❖ Have conducted substantial evaluations of various clients' cold conventional heavy oil assets in the Lloydminster area of Alberta and Saskatchewan since 1993.
- ❖ Evaluation of various SAGD Assets through the Athabasca/McMurray Areas of Alberta
- ❖ Evaluation of oil and gas assets in the central British Columbia.
- ❖ Evaluation of tight gas assets in the deeper basins of Central Alberta.
- ❖ Oil and gas royalty asset evaluation and asset management
- ❖ Software design and development.

Regional Specialties

- ❖ Canada (Western Canada Sedimentary Basin), Sudan, U.S.A.