



DOUGLAS J. CARSTED, C.D., P.Geol.

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Douglas is a Director and an Associate of Sproule and is involved in the management of the Geoscience division of Sproule's International subsidiary. He works in the areas of property evaluation and reservoir studies in Canada and in a number of countries worldwide. Douglas has been a Sproule professional since 1994.

Douglas was born and raised in Winnipeg, Manitoba. After graduating with a B.Sc., he accepted a position with Imperial Oil Limited in Calgary as a Geologist. His experience consists of 12 years with Imperial Oil Limited working in both Exploration and Production Geology. For a two-year period, he worked as a computer systems analyst developing in-house geological software for the Exploration Department. For the last five years at Imperial Oil Limited, he worked in the Reservoir Description Group and Decentralized Operations Group looking after the reservoir management of both carbonate (Devonian) and clastic reservoirs.

Douglas has experience in Algeria, Argentina, Australia, Brazil, Bolivia, Canada, China, Colombia, Egypt, India, Indonesia, Iran, Kuwait, Libya, Myanmar, New Zealand, Oman, Qatar, Russia, Somalia, Sudan, Syria, Thailand, Trinidad and Tobago, Ukraine, United Kingdom (North Sea), United States, Venezuela, Yemen and West Africa.

Diplomas and Degrees

- ❖ B.Sc. (Honours) Geology (1982), University of Manitoba, Winnipeg, Manitoba, Canada
- ❖ B.Sc. Chemistry (1979), University of Winnipeg, Winnipeg, Manitoba, Canada

Memberships

- ❖ Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA)
- ❖ Canadian Society of Petroleum Geologists (CSPG)
- ❖ American Association of Petroleum Geologists (AAPG)
- ❖ Petroleum Society of Canada (PetSoc)
- ❖ Canadian Well Logging Society (CWLS)
- ❖ Indonesian Petroleum Association, Professional Division (IPA)

Work Responsibilities

- ❖ Evaluate geology and petrophysics of oil and gas reservoirs (both sandstone and carbonate) properties and prospects.
- ❖ Map and model oil and gas reservoirs.
- ❖ Conduct regional geological studies.
- ❖ Undertake exploration geology.
- ❖ Generate oil and gas prospects.
- ❖ Teach reservoir geology through courses and seminars offered by Sproule.

Previous Employers

- ❖ 1983-1994 **Imperial Oil Resources Ltd.**, Calgary, Alberta
 - ❖ 1988 to 1994 – Senior Development Geologist/Reservoir Engineer
 - ❖ Responsible for over 60 properties, both operated and non-operated.
 - ❖ Conducted geological and reservoir evaluation of drilling proposals.
 - ❖ Undertook field development of both carbonate and clastic reservoirs.
 - ❖ 1986 to 1988 – Project Geologist, Exploration – Northern District
 - ❖ Responsible for exploration geology and prospect generation in the Peace River Arch area.
 - ❖ Constructed geological reservoir models.
 - ❖ 1984 to 1986 – Systems Analyst, Systems and Computer Services
 - ❖ Developed computer systems for exploration department, including mapping functions and geological database.
 - ❖ 1983 to 1984 – Project Geologist, Oil Sands Development Group
 - ❖ Conducted log analysis and reservoir mapping and modelling using Exxon's GEOSSET three-dimensional model for Esso's Cold Lake Hydrothermal Pilot Project.
- ❖ 1982 **Mobil Oil Canada Limited**, Calgary AB, *Wellsite Geologist*
 - ❖ Supervised logging and wellsite operations.
- ❖ 1979, 1980,
1981 **Uranerz Exploration and Mining Ltd.**, Saskatoon, Saskatchewan,
Field Geologist
 - ❖ Conducted geological field mapping and prospecting.

Committee Work

- ❖ 2006 to Present – Petroleum Society 50th Anniversary Educational Trust Fund, Chairman
- ❖ 2004 to 2005 - Petroleum Society of CIM, Chairman
- ❖ 2000 - Petroleum Systems Engineering Advisory Committee, University of Regina
- ❖ 1999 to 2004 — Petroleum Society of CIM; Director
- ❖ 1999 - Canadian Society of Petroleum Geologists Conference: Co-Chairman
- ❖ 1994 to 1998 — Petroleum Society of CIM Economics Sub-Committee: Member,
1994 to 1997; Chairman, 1997–1998