



MATTHEW J. O'BLNES, P.Eng.

Associate

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Matthew O'Blnes is an Associate of Sproule and has been a Sproule professional since 1997. Matthew lectures to industry through Sproule's inhouse course on the "Evaluation of Canadian Oil and Gas Properties". He has experience in Australia and Canada.

Diplomas and Degrees

- ❖ M.Sc. Mechanical Engineering (1987), University of Calgary, Calgary, Alberta, Canada
- ❖ B.Sc. Mechanical Engineering (1984), University of New Brunswick, Fredericton, New Brunswick, Canada

Continuing Education

- ❖ Value Navigator (2003), Energy Navigator Inc.
- ❖ Reservoir Geology for Engineers (1999), OGCI Training, Calgary, Alberta
- ❖ Gas Deliverability Forecasting (1996), PHH Petroleum Consultants Ltd., Calgary, Alberta
- ❖ Risk Analysis of Engineering Systems (1994), CFER Group, Edmonton, Alberta
- ❖ Utility Economic Evaluations (1993), Canadian Utilities, Calgary, Alberta
- ❖ Distribution System Planning (1993), IGT, Chicago, Illinois
- ❖ Natural Gas Marketing (1992), Southern Alberta Institute of Technology, Calgary, Alberta
- ❖ Gas Pipeline System Modeling (1992), STONER Associates, Edmonton, Alberta
- ❖ Petroleum Production Engineering (1990), University of Calgary, Calgary, Alberta
- ❖ Recent Sand Models Applied to Alberta Basin Exploration (1989), Professional Seminar Group, Calgary, Alberta
- ❖ Petroleum Reservoir Engineering School (1989), University of Alberta, Edmonton, Alberta
- ❖ Natural Gas Processing Principles (1987), University of Calgary, Calgary, Alberta

Memberships

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

Work Responsibilities

- ❖ Evaluate oil and gas properties and companies, including estimating reserves and analysing economics.
- ❖ Assist companies in assessments of undiscovered resources using statistical methods.
- ❖ Teach natural gas reserves and costing sections of Sproule's courses, in-house and through the Department of Continuing Education at the University of Calgary and the Petroleum Society of CIM.
- ❖ Audit third-party evaluations.
- ❖ Evaluate special projects concerning natural gas storage, natural gas contracts and supply forecasting.

Previous Employers

- ❖ 1986-1997 **Atco Group of Companies – Natural Gas Divisions**, Calgary, Alberta —
Various Positions, including Senior Engineer, Exploitation
 - ❖ Involved in natural gas production and exploitation, gas property evaluation, gas storage projects, facilities planning and gas supply planning.

Special Expertise — Natural Gas Engineering

- ❖ My career has focused on natural gas, encompassing the areas of reserves, production, storage, transmission and distribution. My experience includes both operational and planning points of view, with emphasis on economics and system performance.

Regional Specialties

- ❖ My experience lies predominantly with properties in the Western Canada Sedimentary Basin.
- ❖ Offshore Nova Scotia Sable Island assessment, including technical reserves and production forecasting.
- ❖ Natural gas deliverability forecasting for Mackenzie Delta and Northern Canadian Basins.

Publications and Presentations

- ❖ O'Blenes, Matthew J. (1986) Pulse Combustion Applied to a Gas Turbine. M.Sc. Thesis. University of Calgary, Calgary AB.
- ❖ Kentfield, J.A.C. and O'Blenes, M. (1987) Methods for Achieving a Combustion-Driven Pressure-Gain in Gas Turbines. Department of Mechanical Engineering, University of Calgary, Calgary AB.
- ❖ O'Blenes, Matthew J. (1990) Company Owned Production Competitive Drainage Issues. Paper presented at the Canadian Western Natural Gas/Northwestern Utilities Intercompany Engineering Conference, Calgary AB.