



SCOTT PENNELL, P.Eng.

Manager, New Plays and Technology, and Partner

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Scott has been a Sproule professional since 2000 and has conventional and unconventional oil and gas experience world-wide. For the past seven years, Scott's focus has been related to unconventional gas, specifically coalbed methane and shale gas and is currently involved with in-situ coal gasification projects. He is currently a director of the Canadian Society for Unconventional Resources, a 100 member not-for-profit society created to support the exploration and development of Canadian unconventional resources.

Diplomas and Degrees

- ❖ Honours Diploma, Petroleum Reservoir Technology (1991), Southern Alberta Institute of Technology, Calgary, Alberta, Canada
- ❖ B.S. Petroleum Engineering (1993), University of Wyoming, Laramie, Wyoming, USA

Continuing Education

- ❖ Optimizing Oil Well Productivity (1995), Thorne Consultants Ltd., Calgary AB
- ❖ Geology for Engineers (1997), Graham Davies Geological Consultants Ltd., Calgary AB
- ❖ Practical Decline Analysis (1998), Gilbert Laustsen Jung Associates Ltd., Calgary AB
- ❖ Advanced Rock Property - Capillary Pressure, Waterflood Design, Reservoir Quality, Fluid Sensitivity (1999), Core Laboratories Canada Limited, Calgary AB
- ❖ PVT Analysis (1999), Hycal Energy Research Laboratories Ltd., Calgary AB
- ❖ Evaluation of Oil and Gas Properties (2000), Sproule Associates Limited, Calgary AB
- ❖ Coalbed Methane Geology & Engineering - Application to Exploration & Development (2001), CBM Solutions Ltd., Calgary AB
- ❖ Fundamentals of Coalbed Methane (2001), Sproule Associates Inc., Calgary AB
- ❖ Geophysics for Petroleum Engineers (2005), PEICE Petroleum Institute for Continuing Education, Calgary AB

Memberships

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

Work Responsibilities

- ❖ Evaluate, audit and review conventional oil and gas (coalbed methane, shale gas, tight gas) and unconventional gas properties in Canada and internationally, including estimation of reserves and resources (using volumetrics, material balance, decline analysis and performance prediction techniques where applicable) and economic analysis based on applicable fiscal terms;
- ❖ Provide due diligence and technical advice on corporate acquisitions of unconventional gas projects;
- ❖ Develop deliverability studies for unconventional gas properties;
- ❖ Prepare oral and written reports on the methodology and results of property evaluations, audits and reviews.

Previous Employers

- ❖ **Gilbert Laustsen Jung Associates Ltd. (now GLJ Petroleum Consultants Ltd.)**
Evaluations Engineer, Calgary, Alberta
- ❖ **Unocal Canada Resources**, Operations Engineer, Slave Lake, Alberta

Regional Specialties

- ❖ Western Canada Sedimentary Basin:
 - Alberta – Mannville coals, Horseshoe Canyon coals
 - British Columbia – Montney tight gas, Montney shale gas
- ❖ Horn River Basin & Cordova Embayment – shale gas
- ❖ Powder River Basin – Fort Union coals