



## **JAMES D. HUDSON, R.P.T. (Eng.)**

### ***Shareholder***

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Jim is a Shareholder of Sproule and has been a Sproule professional since 1997. Jim has experience in the Western Canada Sedimentary Basin.

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

- ❖ Diploma in Petroleum Technology, Reservoir (1988) Southern Alberta Institute of Technology, Calgary, Alberta, Canada

### ***Continuing Education***

- ❖ Advanced Decline Curve Analysis, SPE, 1999
- ❖ Decline, Merak Projects, 1999
- ❖ Petrodesk, Merak Projects, 1999
- ❖ Canadian Peep for Windows, Merak Projects, 1996
- ❖ Production Optimization, CIM, 1993
- ❖ Basic Well Operations, OGCI, 1992
- ❖ JDE Accounting System, Norcen Energy Resources Limited, 1991
- ❖ Economics, D&S Group, 1991
- ❖ Forte, D&S Group, 1991
- ❖ Solvent Treatment, Canadian Oilfield Stimulation Services Ltd., 1991
- ❖ Well Service Blowout Prevention, PITS, 1991
- ❖ Introduction to Windows, PBSC, 1991
- ❖ Intermediate Measurement, BMP, 1991
- ❖ Production Tool Demonstration, KWK Wireline, 1990
- ❖ Principles of Reservoir Engineering, CIM, 1989
- ❖ Evaluation of Canadian Oil and Gas Properties, Sproule Associates Limited, 1989
- ❖ Lotus Level 1 and 2, 1989
- ❖ Services Stimulation Technology, Halliburton Energy Services, 1989
- ❖ Cased Hole Basics, Schlumberger, 1988

## **Memberships**

- ❖ Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA)
- ❖ The Association of Science and Engineering Technology Professionals of Alberta (ASET)
- ❖ Petroleum Society of Canada (PetSoc)

## **Work Responsibilities**

- ❖ Prepare economic evaluations of proven and probable oil, natural gas, and by-product reserves.
- ❖ Estimate reserves using production decline analysis, material balance, volumetrics, or performance prediction methods.
- ❖ Evaluate oil and gas reserves for the purpose of acquiring and divesting.

## **Previous Employers**

- ❖ 1996-1997      **Guard Resources Ltd.**, Calgary, Alberta — *Petroleum Technologist*
  - ❖ As a team member in the Acquisitions and Dispositions Department, involved in evaluating oil and gas property packages as well as performing year-end company evaluations on behalf of several major clients, seeing the package evaluating through to the bidding phase.
  - ❖ Gathered production and pressure data through Digitech and used Merak's Forecast software to generate plots and tables required. Extensively used Merak's Canadian PEEP for Windows software to generate economics.
- ❖ 1994-1996      **Grant Trimble Engineering Ltd.**, Calgary, Alberta — *Reservoir Technologist*
  - ❖ Conducted oil and gas property evaluations involving primary, secondary, and tertiary recovery schemes.
- ❖ 1991-1994      **Norcen Energy Resources Limited**, Calgary, Alberta — *Production Technologist*
  - ❖ Conducted area reviews for both natural gas and heavy oil properties. Recommended well workovers, recompletions, new drilling locations, overall production optimization, then wrote up programs, generated cost estimates, prepared AFEs and informed ERCB of company actions.
  - ❖ Forecast production monthly, prepared operations reports, monitored special projects such as steam pilot activities and waterflood schemes, and coordinated pressure surveys.
  - ❖ Gained experience in the drilling of horizontal wells in heavy oil reservoirs, and worked extensively with the Eastern District Business Unit's well abandonment program, including surface abandonments and reclamations.

- ❖ 1988-1991      **North Canadian Oils Limited**, Calgary, Alberta — *Reservoir Technologist*
  - ❖ Assisted engineers with reserve calculations using such methods as volumetric, production decline analysis and P/Z's.
  - ❖ Involved with reviewing existing wells for uphole or downhole completion or workover potential.
  - ❖ Assisted with numerous ERCB applications and coordinating pressure surveys.
  - ❖ Provided support to oil and gas engineers, primarily working with gas reservoirs.

### ***Special Expertise – Horizontal Well Engineering***

- ❖ While at Norcen Energy Resources, I gained considerable experience with the drilling of horizontal wells in heavy oil reservoirs in East Central Alberta. I was involved in every aspect of the project, including positioning of horizontal wells within the reservoir to obtain maximum recovery. I generated AFEs, coordinated the equipping of wells by contacting vendors and obtaining quotes, and monitored production.

### ***Special Projects***

- ❖ While at Norcen, I monitored steam pilot activities in the Bodo area of Alberta. This involved gathering and analyzing data from field sources and anticipating issues that may require immediate attention.