



PetroStudies
Consultants Inc.

PROFESSIONAL CONSULTING SERVICES

- ▶ Resource optimization via application of reservoir engineering, and/or reservoir simulation
- ▶ Geological studies via joint venture
- ▶ Computer software development
- ▶ Training courses in all the above disciplines

Proven Expertise for the Domestic and International Oil and Gas Industry on Retainer or Project Basis

PetroStudies Consultants Inc.

PetroStudies has executed contracts ranging in size from single-well analysis studies to multimillion-dollar, multi-field reservoir description, characterization, and simulation projects. Our recommendations have resulted in both the saving of and generation of many millions of dollars in assets for our clients.

Our staff is a team of extremely talented and internationally recognized experts—each individual having from 20 to over 30 years experience in the service of major corporations and well-respected international engineering firms.

We apply a common-sense combination of conventional techniques and state-of-the-art analysis and modeling technology to deliver a range of recommendations for optimizing production from oil and gas reservoirs. A cost-effective, synergistic approach is applied in the development of all recommendations. We include in each project team only those disciplines required to solve our client's problems. Client personnel will often be included in the multidisciplinary team to enhance their specific understanding of the techniques applied in the development of the production-optimization recommendations.

Reservoir Engineering and Simulation

- Analytical studies
- Acquisition and divestiture evaluations
- Assistance with Unit negotiations and representation
- Technical auditing/monitoring
- Oil and gas well-test design, scheduling, and interpretation
- Gas-well/field-deliverability optimization
- Single-well studies, including coning and horizontal-well justification
- Reservoir characterization, migration and pool-extension investigation
- Pool/field-wide black oil and compositional simulation studies:

Primary, secondary, EOR, waterflood, gas cycling, thermal recovery, CO₂/hydrocarbon miscible floods, conventional oil, heavy oil, conventional gas, condensate, and retrograde condensate fluids with EOS parameter characterization, multilayer, multi-lithology, and fractured and faulted reservoirs
- Thermal reservoir and wellbore modeling
- Integrated and coordinated studies both for and with client personnel
- Auditing technical reports
- Overall reservoir management

Production Engineering

- Problem-well analysis
- Production optimization

Software

- Contract programming of technical applications for personal computers
 - **EXODUS** black oil pseudo compositional reservoir simulator
 - **EXOTHERM** thermal reservoir simulator
- TWBS** – Thermal WellBore Simulator
- Customization of modules

Training

- Introduction and Intermediate level course on **EXODUS & EXOTHERM** in classroom setup.
- Custom **EXODUS, EXOTHERM & TWBS** training for individuals with specific problems.
- On-the-job training associated with specific projects



PetroStudies
Consultants Inc.

www.petrostudies.com

Partial List of Geographical Areas Where Our Personnel Have Gained Experience:

CANADA

Alberta:

Alderson, Ante Creek, Bashaw, Bigoray, Blackie, Bow Island, Brazeau River, Cactus Lake, Caroline, Carrot Creek, Cassils, Cessford, Chauvin, Cherhill, Clarilaw, Crossfield, Edson, Ferrington, Ferrybank, Garrington, Gilby, Gold Creek, Golden Spike, Gordondale, Halkirk, Harmattan, Horsefly Lake, Kaybob, Kidney, Medicine Hat, Medicine River, Niton, Peagan, Pembina, Pine Creek, Provost, Rainbow, Ricinus, Strachan, Strathmore, Swan Hills, Sylvan Lake, Valhalla, Virginia Hills, Wainwright, Zama, etc.

Saskatchewan:

Alameda, Alida, Dollard, Heward, Instow, Java/East Beverly, Leitchville, Mansur, Mantario, Midale, Parkman, Plover Lake, Roncott, Weyburn, etc.

British Columbia:

Birch, Stoddart, Helmet/Desan, Weasel

Manitoba:

East Routledge

N.B.

Stoney

N.S.

Hibernia

INTERNATIONAL

China, Colombia, Cuba, DPR Korea, Egypt, Iran, Kuwait, Libya, Mexico, Pakistan, Peru, Russia/FSU, Syria, Trinidad, UK, USA, etc.

~ Helping you understand and optimize your corporate assets ~

Partial List of Companies for whom our personnel have worked either as employees, contractors, or consultants:

Acclaim, AGIP (NAME), Amoco Canada, Anderson Exp., Berkley Petroleum, BP Canada, CamWest, Canadian Superior, Chauvco, China National Oil Co., CNRL, Cody Energy, Co-Enerco, Contact Exp., Crescent Point, Crestar Energy, Devon, Ecopetrol (Colombia), Encal Energy, EnCana, Energy Ministry DPR Korea, EOG, Esso, Excel Energy, Gulf, Husky Oil, Inisfail, Int. Colin Energy, Keles Prod. Co., Kuwait Oil Co., Mark Resources Inc., Maxx Petroleum, Mobil Oil (Libya), Murphy Oil, NEB (Canada), Niko, NOC (Libya), North Canadian Oils, OGDC (Pakistan), PanCanadian, PCIAC, PEMEX, Petro-Canada, Petromet Resources, Place Resources, Poco Petroleums, Ranchmen's Resources, Ranger Oil, Revenue Canada, Sabine, Saskoil/Wascana, Sherritt, Signalta, Talisman, Tournament, Triloch, Upton Resources, Universal Petroleum, Unocal, VEBA, Velvet, Waha Oil (Libya), Zueitina (Libya), etc.

For more information, please call any of our specialists:

Richard Pike, B.Sc., P.Eng

- Reservoir Engineering and Simulation
- General Software development
- Project management

Bob Slevinsky, B.Sc.

- Reservoir Modeling
- Phase behaviour
- Computer technologies

Dr. Thomas Tan, Ph.D., P.Eng.

- Reservoir Engineering and Simulation
- Reservoir Simulation Software
- EOR



PetroStudies
Consultants Inc.

#204, 4603 Varsity Drive N.W.
Calgary, Alberta
Canada, T3A 2V7

P: (403) 265-9722
F: (403) 265-8842

www.petrostudies.com