

## PRINCIPAL ENGINEER

Saad Ibrahim, P. Eng.

### Experience

Saad Ibrahim, P.Eng., Mr. Ibrahim has over 30 years of experience in Western Canada (with BP, Husky, and Nexen) and internationally. The focus of Mr. Ibrahim's experience lies in the area of reservoir management and well testing. His contribution to the industry in production optimization and E.O.R projects has been well recognized. Mr. Ibrahim published a technical paper titled "Well Test Data Goes Electronic", in the JCPT April 1999. Mr. Ibrahim has regularly lectured for the Society of Petroleum Engineers (SPE) of Calgary, CIPC in Calgary and conducted training programs for numerous exploration and production companies in North America and Internationally. Mr. Ibrahim was on the Reserve Panel of the 4th International Conference in Calgary on Horizontal Well Technology.

### Education

Mr. Saad Ibrahim obtained a B.Sc in Mechanical Engineering from U of Alexandria, Egypt in 1973, after which he completed a post graduate program at U of Calgary in Chemical and Petroleum Engineering. He has kept up-to-date with the latest technology through professional training in Canada and U.S.A. He is a member of the APPEGA and the SPE.

### Award

Winner of the Immigrant of Distinction Award 2008, in the business category.

## STAFF

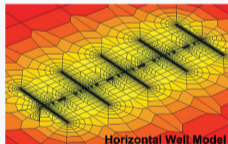
PMG also has a highly experienced multi-disciplinary team of professionals and associates, to assist E & P Companies on a wide range of projects of varying degrees of complexity.

# PMG

**Petro Management Group LTD**

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**Engineering Consultants  
for the Petroleum Industry**



**Petro Management Group LTD**

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## PROFILE

Petro Management Group Ltd. (PMG) is an integrated Petroleum Engineering consulting company which provides services to the oil industry domestically and internationally since 1994.

PMG utilizes the latest technology and is associated with a pool of highly experienced multi disciplined professionals to provide the highest level of quality consulting services, in the most timely manner.

## CONSULTING SERVICES

### Well Test Design, Planning and Analysis

PMG will design/plan your well test programs and analyze test data to ensure conclusive results. PMG has analyzed over 10,000 tests in North America and Internationally, using both the Fekete and KAPPA software.

### Reservoir Management

PMG will determine the optimum reservoir depletion strategy and prepare appropriate field development plans, with emphasis on improving your project NPV.

### Production Optimization

PMG evaluates field performance to determine ways to increase production such as; development drilling, compression requirements, well stimulation, and Nodal analysis which is used to optimize the well completion.

### Horizontal Well with Multi-stage Fracing

PMG selects candidate wells and perform analysis/predictions to optimize Hz well design (well spacing, number of fracs, open hole vs. cased completion).

### Well Fracturing Services

PMG designs and analyzes Mini-fracs to improve your main frac design. Also, Mini-frac is required by the ERCB (Directive 51) for steam injection projects, to confirm the integrity of the reservoir cap rock. Field supervision is also available.

### Oil and Gas Reserves and Economic Evaluation

PMG evaluates engineering and geological data to estimate reserves and conduct economic evaluations for divestiture and acquisition ventures.

### Petrophysical Studies

PMG combines open hole log analysis and core/ geological data to properly characterize the reservoir.

### Reservoir Studies

PMG utilizes sophisticated computer software and reservoir simulators to prepare feasibility and development plans for waterflood and EOR schemes.

### Gas Gathering System Optimization (using the Piper Software)

### Regulatory Agency Submissions

### Geophysical Services

PMG integrates geoscience and engineering data to accurately model your reservoir; through a teaming agreement with Fugro-Jason.

## SOFTWARE

PMG is the agent of KAPPA Engineering in Canada; providing technical support and sale services of several state of the art software, including:



**Diamant Master** (Database)



**Saphir** (PTA)



**Topaze** (PA)



**Rubis** (Numerical Simulation)



**Amethyste** (Nodal Analysis)



**Emeraude** (Production Logging)

## TRAINING PROGRAMS

A wide range of training courses, as listed below, are available in the area of reservoir/production engineering, Hz wells, and well testing. Cost-effective in-house training courses are offered and complimentary "Lunch and Learn" can also be organized. For more details, please visit [www.petromgt.com](http://www.petromgt.com)

- **Fundamentals of Reservoir Engineering**
- **Well Test Analysis**
- **Fundamentals of Horizontal Well Technology**
- **Petroleum Engineering for Non-Engineers**
- **And many more.....**