

DENIS BRIÈRE, P. Eng., B. Sc. EE
Vice President – Engineering



SUMMARY

Mr. Brière has worked 43 years in the petroleum industry facilitating technology transfer. He has written many Chapman reserve evaluation reports including the world's first Hydrogen NI 51-101 report. He has managed a Canadian-Hungarian oil well log analysis joint venture. He facilitated the modernization of booking oil reserves in Peru in a partnership between the Canadian Petroleum Institute and the Peruvian government. He started a Cuban logging company by merging together Canadian and Russian technology. He conducts international training in English, French, and Spanish. He has developed commercial software called LogScan while analyzing conventional oil, gas, and heavy oil reservoirs. He is one of the leading petrophysicists in the industry, worldwide.

EDUCATION

- University of Calgary, Bachelor of Science in Electrical Engineering 1978.

PROFESSIONAL AFFILIATIONS

- Association of Professional Engineers and Geoscientists of Alberta (APEGA)

PROFESSIONAL HISTORY

- Vice President - Engineering, Chapman, 2005 -present
- Petrophysicist, Teknica, 2000-2004
- Consultant, CPI, 1999-2000
- Manager, Geolmage, 1997-1998
- President, LogSCAN Inc., 1995-1997
- General Manager, Cubalog, 1994-1995
- President, Briere Engineering, 1987-1994
- Engineer, Schlumberger, 1978-1987

LANGUAGES

- Fluent in English, French and Spanish
- Basic knowledge of Russian

KEY PROJECT EXPERIENCE

Chapman Hydrogen and Petroleum Engineering Ltd.
Canada and Europe

- Consulted on the initial phases for the world's first hydrogen well discovery in Mali.
- Performed the log analysis on many Canadian wells for oil and gas property evaluations.
- Wrote reserve and resource evaluation reports.
- Prepared computer log analyses for newly drilled wells in Yemen.
- Made completion recommendations based on the computer analysis of Soviet well logs in Hungary and Kazakhstan.
- Reviewed the supporting documentation for a joint venture agreement between Chapman Petroleum and CER of Kazakhstan through TradeAid.
- Supplied the intellectual property evaluation of a reservoir modeling technique that uses geoSCOUT called HEQ Production/Reservoir Modeling.

Teknica Overseas Ltd

Canada and Overseas

- Managed the development and delivery of the world class FlexInLOG probabilistic Log Analysis software jointly with Hungarian experts.
- Managed and delivered high quality digitizing services using LogSCAN software.
- Wrote and delivered new Log Analysis course material and performed well log analysis on various international projects.
- Assisted in bid proposals for China, Iran, Libya, Mexico, and Peru.
- Provided the database attributes for an oil well log curve as object and as archive.

Peru Energy Regulatory Assistance Project

Peru

- As consultant to DGH in The Department of Energy and Mines, designed a production database and field tested the data migration paths.
- Established a computer database determination of national oil reserves, and influenced the Peruvians towards a Reservoir Conservation Policy.

Geolmage Technology Inc.

Calgary, AB

- Analyzed and evaluated the field-worthiness of the GeoScanner hardware. Implemented a plan to monitor and to document its field successes and failures.
- Met with the hardware representatives to coordinate the GeoScanner's cost effective manufacturing. Met with the programmers to ensure delivery of a client driven User Interface.

LogSCAN Inc

Calgary, AB

- Used the internet to distribute digitizing contracts to Work-At-Home digitizers.
- Developed and implemented a QC system to meet on-time project deliverables.

Cubalog

Varadero, Cuba

- Proposed, established, and managed an economic association called CUBALOG.
- Established funding for the new CUBALOG wireline services and negotiated a 3-way agreement for Canadian, Cuban, and Russian stakeholders.
- Contributed to the selection of most useful technology from the three countries.
- Trained people on the job, and demonstrated an effective and capable service.

Briere Engineering Ltd.

Calgary, AB

- Analyzed oilfields in Canada, Cuba, Russia, and USA.
- Developed techniques for finding pay zones on "never before seen" Soviet logs while advising Fracmaster where to workover in Siberian sandstones.
- Advised Sherritt which carbonates to work-over for success in Cuban heavy oil.
- Conceived, designed, and authored the LogSCAN on-screen digitizing software.
- Partnered with MJ Systems to upgrade from microfiche to computer imaging.

Schlumberger Well Services

North America

- As Learning Center Manager, developed "high speed training" which boosted corporate testing 11 percentage points to 91% for engineers "on-time" with their training program
- As Offshore Sales Engineer, marketed the Tubing Conveyed Perforating Services in Halifax and Hibernia.
- Lectured and presented client schools on wireline products and services.
- As Design Engineer, designed, built, and tested Tubing Conveyed Perforating equipment at Sandy Point Shaped Charge Manufacturing Plant in Houston.
- As Service Manager prepared the offshore logging for Dome Petroleum and Gulf Oil in the Beaufort Sea.
- As General Field Engineer, managed the safe and profitable operation of a wireline logging truck in the oilfields of Alberta.