

C.W. (CHARLIE) CHAPMAN, P. Eng.
President



SUMMARY

Mr. Chapman is a professional engineer with greater than 40 years of broad experience in the oil and gas industry, including staff and management positions with major and minor producers and consulting firms. Since 1985 Mr. Chapman has been president of Chapman Petroleum Engineering Ltd., overseeing all of the diversified professional services of the company, domestically and internationally.

EDUCATION

- University of Alberta, Edmonton B.Sc. in Mechanical Engineering – 1971

PROFESSIONAL AFFILIATIONS

- Association of Professional Engineers, Geologists, and Geophysicists of Alberta (APEGGA)
- The Australasian Institute of Mining and Metallurgy (APEGGA equivalent)
- Society of Petroleum Evaluation Engineers (SPEE)

PROFESSIONAL HISTORY

- President - Chapman Petroleum Engineering Ltd., 1985-present
- Manager of Evaluations – Capital Engineering Ltd., 1983-1985
- Manager of Engineering – Dynamar Energy Ltd., 1981-1983
- Project Leader – James A. Lewis Engineering Co. Ltd., 1978-1981
- Canadian Division Engineer – Champlin Petroleum Company (UPRI), 1978
- Project Engineer – Murphy Oil Company, 1977-1978
- Engineer – Sun Oil Company Limited (Suncor), 1971-1977
- Pipeline Gauger – Gulf Alberta Pipeline Co., 1968-1970 (summer)

KEY PROJECT EXPERIENCE

Chapman Petroleum Engineering Ltd.

- Thousands of reserve and economic evaluations.
- Domestic and international exploration drilling prospect analyses.
- Coordinated numerous property unitization projects.
- Expert witness testimony, Court of Queen's Bench (Alberta), US Federal Court.
- Reservoir engineering and production optimization projects.
- Numerous regulatory submissions.
- Represented clients on AEUB hearing panels.
- Coordinate well re-entry and environmental clean up program in Hungary.
- Develop design criteria for shallow gas water lift system.
- Provide management and technical assistance to associated company, which drills and operates wells for clients.

Capital Engineering Ltd.

- Managed technical and administrative staff in preparation of reserve and economic evaluations.
- Reserve evaluation of Barbados National Oil Company for Petro-Canada International Assistance Corporation.

Dynamar Energy Ltd.

- Evaluated all aspects of the implementation of enhanced recovery project and coordination of unitization – Wayne Rosedale Basal Quartz pool.
- Involved in operation of large blocks of MR/MH, 2WS wells, experienced state of art shallow gas technology.

James A. Lewis Engineering Ltd.

- Coordinated major client reserve and economic evaluations.
- Evaluation of gas potential underlying Lake Erie for Ontario Ministry of Natural Resources.
- Established and managed company branch office in Denver, Colorado.

Champlin Petroleum Company (UPRI)

- Responsible for all engineering functions in Canadian Division.
- Contributed to multi disciplined staff effort in development of West Pembina deep rights.
- Coordinated and supervised the construction and start-up of sour (DEA) gas plant.

Murphy Oil Company

- Responsible for all engineering activities for the company's oil properties.

Sun Oil Company Limited

- Senior reservoir engineering duties, enhanced recovery investigations and acquisition analyses.
- Production department reservoir engineer, production performance and reservoir pressure monitoring for all operated properties.
- Field assignments (2 years)
 - Ran 50 MMscf/d compressor facility
 - Coordinated cathodic protection corrosion mitigation programs.
 - Supervised service rig activity.
 - Exposure to Drilling Operations.