

**Lonnie D. Murphy**  
**Senior Reservoir Engineer**

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Experience

**DeGolyer and MacNaughton**

July 2001 to May 2022

Senior Reservoir Engineer

- Responsible for evaluation and preparation of year-end reserve reports according to United States Securities and Exchange Commission (SEC) guidelines and Society of Petroleum of Engineers Petroleum Resource Management System (PRMS) guidelines
- Responsible for technical evaluations of investment opportunities for private equity clients

**DeGolyer and MacNaughton**

July 2001 to May 2022

Assistant Division Manager – North America Division

- Responsible for evaluation and preparation of year-end reserve reports in the North American division in all major producing basins in North America according to United States Securities and Exchange Commission (SEC) guidelines and Society of Petroleum of Engineers Petroleum Resource Management System (PRMS) guidelines
- Responsible for technical evaluations of investment opportunities for private equity group
- Co-ordinated work efforts of North America Houston engineering and geology staff
- Participated on the DeGolyer and MacNaughton Fair Market Value Committee for determination of fair market value estimates
- Performed production diagnostic analysis of unconventional reservoirs according to D&M production diagnostic work flow
- From 2001 to 2003 assisted with the preparation of technical reports prepared for submission to Russian government for development of offshore Sakhalin Island fields
- Elected Vice President of DeGolyer and MacNaughton in 2001 and Senior Vice President 2015

**DeGolyer and MacNaughton**

April 1998 to June 2001

Petroleum Engineer – Central Europe-Asia Division

- Evaluated large gas and gas-condensate fields in western Siberia, Russia, and southern Russia, in the onshore North Caspian Sea area
- Evaluated oil and gas fields in Azerbaijan, Libya, Syria, offshore Israel, and the North Sea

**Enserch Exploration, Inc.**

September 1996 to March 1998

Chief Engineer

- Co-ordinated the completion of Enserch's annual third-party reserves estimates used for financial reporting purposes
- Supervised the divestiture of EEX's east Texas assets in 1997 and 1998
- Compiled and tracked company production and expense budgets and supervised special projects performed by the staff engineering group

**Enserch Exploration, Inc.**

June 1991 to August 1996

District Engineer

- Supervised the engineering staff in the Gulf Coast district office
- Responsible for the surveillance of south Texas and south Louisiana oil and gas fields
- Supervised economic analysis of exploration and development drilling projects and recompletions
- Directed evaluations of reserves and economic profitability and prepared numerous field reviews and development plans

**Enserch Exploration, Inc.**

November 1986 to May 1991

Petroleum Engineer – Staff Engineering Enhanced Recovery Group

- Simulated performance of a variety of oil and gas reservoirs including the Frio, Yegua, Edwards Lime, Wilcox, and Lobo
- Modeled water-coning problems
- Modeled field development of an offshore Netherlands oil field
- Modeled effective depletion of a mature west Texas waterflood
- Modeled up-dip gas injection in a steeply dipping Mississippi oil field

**Enserch Exploration, Inc.**

July 1981 to October 1986

Petroleum Engineer – Rocky Mountain District

- Responsible for surveillance of oil and gas fields in the Rocky Mountain District office
- Evaluated the reserves and performed economic analysis of development drilling projects and recompletion candidates
- Worked closely with the exploration staff to develop exploration drilling prospects in several of the major basins in the Rocky Mountain region
- Evaluated drilling well results including petrophysical analysis, well test analysis, and reserve estimates
- Prepared cost estimates for completion costs, workovers, and recompletions for AFE's
- Performed on-site supervision of well completions, workovers, and re-completions

**Education**

**Texas A&M University**

Bachelor of Science Petroleum Engineering, 1981

**Professional Organizations**

Society of Petroleum Engineers