



## **John Wallace** Executive Manager, Chairman and CEO DeGolyer and MacNaughton

John W. Wallace was named Chairman and Chief Executive Officer of DeGolyer and MacNaughton in 2016. He joined the firm in 1983 and was named manager of the Reservoir Studies Division in 2000. He specializes in reservoir simulation and has performed a variety of studies on major oil and gas reservoirs in Africa, China, Europe, Indonesia, the Persian Gulf, and the former Soviet Union. Wallace has performed depletion, pressure-maintenance, water- and gas-coning, compositional, fracture, and gas-cycling simulations. He has vast experience using black-oil, compositional, and dual-porosity reservoir models. Wallace has modeled such surface facilities as pipeline networks and gas-processing plants and his expertise extends to the analysis of reservoir rock, fluid, multiphase vertical flow, pressure-transient data, and reservoir economics.

To assist in the analysis and presentation of reservoir data and computer simulation results, Wallace has developed economic models and designed computer programs. He has built numerous digital models on complex geological structures worldwide in order to calculate hydrocarbon volumes or build reservoir-simulation models. He has directed and actively participated in several equity-determination studies of major producing fields in Africa and Europe. He has assisted in presenting experts' decisions in equity studies and has participated in arbitration hearings. In a recent multi-billion-dollar project, Wallace used a compositional reservoir model in conjunction with the surface network model to determine the optimal number of wells, pipeline network, and compression needed for the client to maintain gas sales profiles many years into the next century. While at Core Laboratories (1981–83), Wallace conducted reservoir-engineering studies on major producing fields in Algeria, Indonesia, Mexico, and the North Sea. These studies included detailed reservoir simulation, gas-cycling and waterflood studies, material-balance calculations, petrophysical evaluations, geologic interpretations, reserves estimations, and property evaluations.

Wallace graduated from Texas A&M University in 1980 with a B.S. degree in petroleum engineering. He was elected a Vice President of DeGolyer and MacNaughton in 1986 and a Senior Vice President in 2000. He was named Executive Vice President in 2010, President in 2014, and Chief Executive Officer in 2016. A member of the American Association of Petroleum Geologists (AAPG) and the Society of Petroleum Engineers, Wallace is a registered professional engineer in Texas.