B.S., Petroleum and Natural Gas Engineering, The Pennsylvania State University, 1974

WILLIAM D. VAN DYKE, P.E.
Petroleum Engineer

Mr. Van Dyke has 33 years of varied professional experience in the oil and gas industry. He has lived and worked in Alaska since 1978. His areas of expertise include reservoir engineering, project planning, unitization, royalty and tax matters and expert witness testimony.

PROFESSIONAL EXPERIENCE

Present — Petroleum Engineer, PRA;
Alaska Oil and Gas Solutions, Owner

2005-2007 Acting Director, Division of Oil and Gas, Anchorage, Alaska

- Responsible for successful implementation of statewide leasing, royalty, audit, commercial, unitization and resource evaluation programs.
- Member of DNR North Slope Gas Pipe Line negotiating team under Governor Murkowski
- Testify at legislative hearings and briefings and public hearings and meetings
- Anticipate issues and problems, evaluate alternatives, develop recommendations and strategies and implement solutions
- Proven track record for negotiating successful agency and multi-company royalty settlement, unitization, royalty modification, and leasing/land agreements
- Provide expert witness testimony in litigation and regulatory proceedings

1981-2005 Petroleum Manager, Division of Oil and Gas, Anchorage, Alaska

- Lead team of engineers, landmen, geologists and geophysicists in evaluating, and negotiating unitization requests, permit applications, and royalty settlement agreements.
- Plan, organize and direct studies and investigations to determine the location, volume and value of known oil and gas accumulations and potential petroleum resources.
- Participate in the preparation of briefs and other filings concerning litigation brought by the state and litigation brought against the state. Prepare written and verbal testimony and affidavits.
- Participate in pipeline tariff rate cases. Provide briefing materials, develop position papers and provide written and verbal fact and expert testimony at formal Federal Energy Regulatory Commission (FERC) and Regulatory Commission of Alaska (RCA) regulatory proceedings.
- Direct studies and collection of data in support of cost/benefit analyses, risk analyses, oil and gas supply/demand projections, reserve estimates, economic studies and other special resource studies.

1978-1981 Petroleum Reservoir Engineer, Division of Minerals and Energy Management, Anchorage, Alaska

- Prepared estimates of proven and probable reserves for oil and gas fields on state land, including production forecasts and estimates of ultimate recovery. Provided engineering evaluation of unitization proposals (exploratory and development) and equity participation proposals involving state leases.
- Work in concert with geologists, geophysicists and economists to conduct pre-sale tract analysis for evaluation of bidding method choices prior to state oil and gas lease sales. Analyze proposed field rules and field development and depletion plans to assure that the state's royalty interests were protected.

1976-1978 Project Engineer, Gulf Oil Company. Reservoir Services Department, Pittsburgh, Pennsylvania and Houston, Texas

- Member of an interdisciplinary team of engineers and geoscientists. Responsible for reservoir description, evaluation and screening of reservoirs for application of enhanced oil recovery methods. Provided petroleum engineering support for the design and implementation of pilot (demonstration) enhanced oil recovery projects. Geographic project areas included the United States and Canada.

1974-1975 Reservoir Engineer, Chevron Oil Company, New Orleans, Louisiana

- Responsible for reserve calculations for new oil and gas discoveries and updates of reserve estimates for existing fields. Designed and provided engineering support for pressure maintenance and waterflood projects. Evaluated reservoirs for application of secondary oil recovery techniques. Evaluated and proposed field depletion and development plans. Project area was offshore fields in the Gulf of Mexico.