

H. James “Jim” Davitt

EDUCATION: Ph.D. Chemical Engineering
Purdue University, September 1968

M.S., Chemical Engineering
Purdue University, September 1965

B.S., Chemical Engineering
Pennsylvania State University, June 1961

WORK EXPERIENCE:

1996 - Present

William M. Cobb & Associates, Inc.

Senior Reservoir Advisor and Numerical Simulations

- Applies extensive reservoir modeling experience to complex simulation-based reservoir development evaluations, including full-field and compositional models. Very accomplished at integrating geophysical and geological, petrophysical, and engineering data for optimum reservoir development and management. Extensive experience with Landmark’s VIP and GeoQuest’s ECLIPSE reservoir simulators, including their compositional modeling and well management features.

1984 - 1995

Oryx Energy Company (formerly Sun Oil E&P Co.)

Reservoir Consultant/Senior Engineer

- Company expert on complex hydrocarbon systems and compositional reservoir simulation using equation-of-state descriptions.
- Conducted laboratory and reservoir simulation studies of a polymer mobility flood and an in-depth polymer gel permeability modification process.
- Designed and initiated a steam foam diversion pilot on a heavy oil property.

1975 - 1984

Sun Oil E&P Company

Senior Professional Engineer

- Provided technical assessments, recommendations and decisions relating to Sun's investment in the White River Shale Project. Represented and negotiated Sun's position with project partners.
- Managed special projects to assess the technical and economic benefits of oil shale, coal liquefaction and gasification processes and products.

1974 - 1975

Sun Company

Superintendent, Oil Sand Technology (Edmonton, Alberta, Canada)

- Responsible for the development of oil sand technology transfer and the economic production of oil from the heavy oil sands of Western Canada.

1971 - 1974

Sun Company

Senior Research Engineer (Fort McMurray, Canada)

1968 - 1971

Sun Company

Research Engineer (Marcus Hook, Pennsylvania)

1961 - 1964

U.S. Air Force

TECHNICAL AND PROFESSIONAL SOCIETIES:

- Society of Petroleum Engineers (SPE)

REGISTRATION:

- Registered Professional Engineer, State of Texas-Registration No. 42581

PUBLICATIONS:

- Saavedra, N.F., Gaviria, W, and Davitt, H.J.: "Laboratory Testing of Polymer Flood Candidates: San Francisco Field". Prepared for the SPE/DOE Improved Oil Recovery Symposium, Tulsa, Oklahoma, April 13-14, 2002 SPE 75182.
- Brush, R.M., Davitt, H.J., Aimar, O.B., and Whiteside, J. M.: "Immiscible CO₂ Flooding for Increased Oil Recovery and Reduced Emissions". Presented at the SPE/DOE Improved Oil Recovery Symposium, Tulsa, Oklahoma, April 3-5, 2000 SPE 59328.
- Ramey, H.J., Lichtenberger, G., and Davitt, H.J.: "Well Test Analysis for Gravity Drainage Systems". Proceedings, Petroleum Technology into the Second Century, New Mexico Tech, Socorro, NM. October 16-19, 1989.
- Davitt, H.J., "Oil Sands - Surface Processing, State of the Art". Presented at 106th AIME Meeting, Atlanta, GA. March, 1977.

PATENTS:

- Holder of twenty-one (21) U.S. and Canadian Patents.

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