

William W. Vail, Jr. P.E.

Office: (713) 650-0811

Cell: (713) 454-3878

Email: bvail@gravesconsulting.us

Professional Licenses

Registered Professional Engineer – State of Texas – No. 61329

Registered Professional Engineer – Province of Alberta, Canada – No. 120019

Experience

Graves & Co. Consulting LLC

December 2019 to present

Senior Reservoir Engineer - Project leader for reservoir engineering projects. Responsible for the preparation of reserves estimates and economics when generating valuations of oil & gas properties under SEC, NI 51-101, and SPE-PRMS definitions. Provide due diligence services on mergers, acquisitions, and divestitures engagements. Expert in analyzing unconventional resources plays, such as shale gas, shale oil and coalbed methane (CBM) reservoirs.

DeGolyer and MacNaughton, Inc.

2007-2019

Vice President – Prepared appraisal reports under U.S. SEC, and Canadian NI 51-101 reserves definitions. Serviced year-end projects in support of corporate financial reporting for US and Canadian filers. Expert user of PHDWin and Citrine. Managed multiple engagements under accelerated acquisition timelines. Principal job coordinator for a range of project locations including the lower 48, Canada, Trinidad, India and deepwater Gulf of Mexico. Co-author of SPEE's Monograph 3.

Marshall Miller & Associates, Inc.

2001-2007

Director of Petroleum Engineering – Coordinated all consulting activities related to petroleum engineering. Prepared completed engineering analyses on reserves and valuations. Prepared offering memorandums for investor recruitment. Expert in coalbed methane reserves assessment. Implemented asset management strategies. Directed all oil & gas engineering sales and marketing efforts. Major projects included estimates of developed, producing and undeveloped reserves and resources for the Oakwood CBM Field, western Virginia; horizontal CBM development in the Shanxi Province, China, and regional CBM plays in Oklahoma eastern Kansas.

Statoil Energy, Inc.

1995-1999

Senior Project Engineer - Coordinated merger, acquisition and divestiture activity. Implemented asset management strategies. Led merger, acquisition and divestiture activity for natural gas transportation. Sold portfolio of overriding royalty interests for over \$20 million. Prepared well completion strategies for new wells and workover candidates. Specialist on the design and construction of gas gathering systems.

C.C. Pace Resources, Inc.

1993-1994

Senior Consultant - Designed and produced client procurement and business development strategies. Created strategic plans for industrial clients. Completed market studies on emerging products, such as compressed natural gas as a transportation fuel.

L.A. Martin & Associates, Inc.

1988-1990

Associate Consultant - Appraised properties for potential acquisition and presented evaluations to clients. Prepared and delivered year-end reserve reports, meeting SEC requirements. Performed regional petrophysical studies for estimating behind-pipe reserves and resources.

Transco Exploration Company

1984-1987

Reservoir Engineer - Coordinated drilling economics and development projects with exploration, production and legal teams. Provided reserves estimates for corporate financial reporting. Supervised acquisition and analysis of field data associated with well testing. Testified as engineering expert witness.

Energy Reserves Group, Inc.

1982-1984

Production Engineer - Supervised production operations in Louisiana and Mississippi. Designed and directed open-hole and cased-hole logging operations, acidizing treatments, cement squeeze jobs and hydraulic fracturing stimulations.

Education

University of Virginia

Darden Graduate School of Business Administration
Master of Business Administration 1993

University of Tulsa

McDougall School of Petroleum Engineering
Bachelor of Science, Petroleum Engineering 1982

Professional Organizations

Society of Petroleum Evaluation Engineers (SPEE)
Society of Petroleum Engineers
Association of Professional Engineers and Geoscientists of Alberta

Publications

Co-author of "Monograph 3 - Guidelines for the Practical Evaluation of Undeveloped Reserves in Resources Plays," SPEE – publisher, 2010