

David A. Vanderpool, P.E., PMP

| 303-204-7424 | david@vpeinc.com |

Expertise

Mr. Vanderpool is an accomplished leader in oil and gas pipelines. He has practiced pipeline engineering as a licensed professional engineer since 1987 and is a proven project manager. Mr. Vanderpool is a specialist on the topics of project management, pipeline hydraulics, pipeline construction, and operations optimization. In 2001, he was chosen to lead all engineering functions for Conoco's North American Transportation organization and was a member of the operations leadership team. In 2004, Vanderpool created the firm of Vanderpool Pipeline Engineers Inc. which provides project development, design, project management, project inspection, commissioning services, owner's representation, litigation support and management consulting to the pipeline industry.

- Vast knowledge of engineering, construction, environmental planning, permitting, easement and land acquisition, oil and gas operations, maintenance and integrity management specific to cross-country pipelines, pumping stations and terminal distribution.
- Extensive leadership experience with technical personnel and project management.

Education

Masters – Business Administration, University of Houston, Houston, Texas	<i>1991</i>
Bachelor of Science – Civil Engineering, Oklahoma State University, Stillwater, Oklahoma	<i>1981</i>

Career History and Sample Accomplishments

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| Principal, Vanderpool Pipeline Engineers Inc. | <i>2004 - Present</i> |
| <ul style="list-style-type: none"> • Over Ninety different clients, 300+ pipeline and terminal projects, example assignments: • Owner's representation/Project Management, including hydraulic analysis and design, detailed design, construction management and commissioning for major expansion of NGL pipeline system, including eight pump stations (12,000 HP) and 275 miles of pipeline reconditioning. Texas. • Eight crude oil pump stations, hydraulic analysis, pump selection, design, engineering, commissioning. Texas. • Due diligence valuation of natural gas gathering system sales transaction. Wyoming. • Design, Construction Management and commissioning of a three pipe cross-country pipeline system in Idaho transporting natural gas, crude oil and condensate. • Completed project route selection, planning, budgeting for 16 miles of 16 inch natural gas pipeline. Wyoming. • Numerous crude oil pump stations and transfer stations. Texas and North Dakota. | |
| Director, Transportation Projects, ConocoPhillips Company | <i>2003 – 2004</i> |
| <ul style="list-style-type: none"> • Completed 35 pipeline and terminal related projects valued at \$12 million on schedule and on-budget with reduced downtime due to extensive project planning. | |
| Manager, Transportation Engineering, Conoco Inc. | <i>2001 – 2003</i> |
| <ul style="list-style-type: none"> • Implemented \$55 million in capital and maintenance projects. • Creation of technical organization and renewal of roles and responsibilities. • Reduced ongoing energy costs \$1.2 million per year (4%) by assessing inefficiencies and establishing new processes for pipeline operations and maintenance. • Full compliance with newly promulgated DOT Pipeline Safety regulations. | |
| Leader, Transportation Improvements, Conoco Inc. | <i>2000 – 2001</i> |
| <ul style="list-style-type: none"> • Designed and implemented the company's "Operations Excellence System", a comprehensive set of operating principles and policies supporting operating integrity, safety and business management. | |

David Vanderpool

- Project Manager, Conoco Inc.** 1993 – 2000
- Led a multi-disciplined team for development of pipeline relocation project across federal and tribal lands with significant public opposition.
 - Secured 20-year permit renewal on critical pipeline element crossing 20 miles of U.S. Forest lands by completing environmental impact statement.
 - Gained political support for permit renewal by leading public forums and conducting political lobbying across Montana, Idaho, Washington and in Washington, D.C.
- Director, Asset Integrity Program, Conoco, Inc.** 1993
- Established numerical processes for prioritizing pipeline system integrity and tank maintenance programs.
- Manager, Engineering Services, Conoco, Inc.** 1991 – 1993
- Managed staff of 30 engineers and technicians in implementation of company engineering standards and project management across North America.
 - Developed significant hydraulic and economic modelling of the Trans Alaska Pipeline related to viscosity (“pumpability”) in support of tariff related testimony at the Federal Energy Regulatory Commission on rate base cost-of-service issues.
- Manager, Engineering Services, Haverly Pipe Line Systems, Inc.** 1987 – 1991
- Directed engineering consulting business, including sales, marketing and direction of staff to fulfill consulting contracts, primarily related to hydraulic modeling for power optimization and transient flow for leak detection purposes.
- Senior Engineer, District Engineer, Project Engineer, Conoco, Inc.** 1981 – 1987
- Performed project management, project engineering and construction supervision roles on various and multiple pipeline and pipeline-related projects, ranging in scope from \$50,000 to \$1.5 million.
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Licensing, Certifications and Specialized Training

- Project Management Certificate, Colorado State University, Denver Colorado - 2005
 - Registered Professional Engineer: Colorado, Alberta (Canada), California, Commonwealth of the Northern Mariana Islands, Idaho, Louisiana, Montana, North Dakota, Oklahoma, Texas, Utah, Wyoming, New Mexico and International Registry of Professional Engineers.
 - Active Record, National Council of Examiners for Engineering and Surveying
 - Certified Project Management Professional, Project Management Institute
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Professional Affiliations

- American Society of Civil Engineers – Member
 - American Consulting Engineers Council – Member
 - Common Ground Alliance - Member
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Speaking Engagements and Publications

- “Inspecting the Installation of Pipelines”, Southern Gas Association, Spring Gas Conference (Virtual), August 24, 2020.
- Co-Author, “Pipeline Transportation”, McGraw-Hill Handbook of Transportation, 2010.
- Co-Author, “Introduction to the Oil Pipeline Industry”, Petex Publishing, University of Texas, 2010.
- Contributing Editor, “Oil and Gas Pipelines in Non-technical Language”, Miesner and Leffler, PennWell Corporation, 2006.
- “A Liquid Pipeline Company’s View of Operational Excellence” – Northwestern University Transportation Center, Evanston, Illinois, 2001
- “Pipeline Hydraulics for Engineers” (A One Week Course) - University of Texas, Petroleum Extension Service, Houston, Texas, 1989-2001
- “Lessons from the Yellowstone Pipe Line Company Tribal Negotiations” – American Petroleum Institute Pipeline Conference, Dallas, Texas, 1996

Expert Witness Consultation and Testimony

- Troy Construction, LLC v. Grand Prix Pipeline, LLC, District Court, Harris County, Texas. (ongoing)
- Liberty Mutual Fire Insurance Company, Welspun Pipes, Inc. and Welspun Tubular LLC v. Schneider Electric USA, Inc. d/b/a Square D, et. al., Pulaski County Circuit Court, Arkansas. (2020)
- MarkWest Liberty Midstream & Resources, LLC v. Meridien Energy, LLC, State of Colorado, District Court, City and County of Denver, Colorado. (ongoing)
- Enterprise Crude Pipeline LLC v. Four Corners Petroleum, LLC, State of Texas, 334th District Court, Harris County, Texas. (2019) (Expert on behalf of Defendant)
- Precision Pipeline LLC v. Dominion Transportation, Inc., United States District Court, Eastern District of Virginia. (2018) (Expert on behalf of Plaintiff)
- Buckeye Texas Processing LLC v. Magellan Pipelines Holdings, L.P., Magellan NGL, LLC., and Bobcat Contracting, LLC. (2017), District Court, 190th Judicial District, Harris County, Texas. (Expert on behalf of Plaintiff)
- United States v. Plains Pipeline Oil Spill, Administrative Action on behalf of U.S. Environmental Protection Agency, Santa Barbara County, California. (2017) (Expert on behalf of United States)
- BP Pipelines (Alaska) Inc., et.al, Fairbanks North Star Borough and City of Valdez v. State of Alaska Department of Revenue, et.al. (2016) (Expert on behalf of Cross-Appellants)
- Don and Peggy Newton, et.al. v. IPS Engineering, LLC, et.al., 2016 (Expert on behalf of Defendant)
- Crestwood Midstream Partners, LP v. Mountaineer Keystone, LLC., 2015 (Expert on behalf of Plaintiff)
- United States of America v. Commonwealth Utilities Corporation, 2014 (Expert on behalf of Defendant)
- Linda Monson and Ned Hermanson v. Zenergy, Inc. v. SK&S Oilfield Services, Inc. (Third Party Defendant), 2010, (Expert on behalf of Defendant)
- Plains All American Pipeline v. Prairie Pipeline Construction, 2010, (Expert on behalf of Plaintiff)
- Boston Market Corporation v. Jacobs Investments, LLC and Ramey Environmental, 2010. (Expert on behalf of Plaintiff)
- United States of America v. MasTec, Inc., United States District Court, Eugene, Oregon, 2008. (Expert on behalf of Plaintiff)
- Doyle Wayne Pyburn vs. Koch et. al. – District Court, Ft. Worth, Texas, 2004. (Expert on behalf of Defendant)
- Yellowstone Pipe Line Company vs. Amerimont, Inc. and Plum Creek Lumber Company – District Court, Bozeman, Montana, 1994. (Expert Employee for Plaintiff)
- Amerada Hess Pipeline Corporation et.al. (Conoco Inc.) - Federal Energy Regulatory Commission, Washington, D.C., 1992. (Expert Employee for Plaintiff)