



# Edward K. Diminick

## ***Current Position***

Senior Engineer

## ***Profession***

Petroleum & Natural  
Gas Engineering

## ***Years' Experience***

32

## ***Education***

MBA - Business Administration, Joseph M. Katz Graduate School of Business, University of Pittsburgh, Pittsburgh, PA

BS - Petroleum & Natural Gas Engineering, Pennsylvania State University, University Park, PA

## ***Professional Registrations***

PE - TN (114262)

## ***Affiliations***

Society of Petroleum Engineers

## ***Summary of Experience***

Mr. Diminick due diligence reviews of oil and gas producing properties; prepares field development plans, capital and operating budgets, and production optimization studies; coordinates and supervises well completions, workovers, and abandonments; provides expert witness services; and conducts reservoir testing and Greenhouse Gas analysis. Prior to 2010, he served in engineering and operations management positions with EQT, Air Products & Chemicals, DTE Energy, and Dart Oil & Gas Corporation.

He has:

- > Planned, coordinated and supervised well intervention work in gas storage field, well bore inspections, plug and abandonments, and due diligence field inspections of wells, pipelines, and compressors
- > Supervised drilling and completion operations including fracture treatment flow back
- > Managed the engineering, start-up and operations of a CO<sub>2</sub> injection project to sequester CO<sub>2</sub>
- > Supervised produced brine water hauling and disposal
- > Prepared production forecasts, reserve and fair market value reports, field development and production optimization studies, and reviews of assets and operating practices for oil and gas projects
- > Prepared authorizations for expenditures (AFE) to drill and complete, recomplete, and plug and abandon wells
- > Coordinated the development of fracture treatment plans for CBM wells in China, procured treatment materials and arranged shipment to China, and supervised fracture treatment operations in Shanxi Province, China
- > Conducted gas and oil reserve assessments for projects located in the Chattanooga, Huron, Marcellus, Niobrara, and Utica Shales
- > Participated in site selection, permitting, planning, and assessment for carbon sequestration tests in unmineable coal seams and depleted shale reservoirs in projects funded by the U.S. Department of Energy and industry partners
- > Conducted greenhouse gas evaluations for mandatory EPA reports
- > Provided expert witness services for law firms and energy clients concerning leasing issues, energy contract disputes, gas reservoir damage, and gas field injuries



## Selected Projects

- > Hampshire Gas Company: Planned well intervention procedures, coordinated well service contractors and provided site supervision on a multi-well project to inspect well casings for corrosion and replace the well heads with new master valves
- > Henan Arks New Energy: Coordinated coal permeability testing, foam fracture treatment design, and supervised stimulation of CBM wells in Shanxi Province, China
- > Virginia Tech DOE Project: Supervised drilling and completion of monitoring wells and conversion of production wells to injection wells, construction of CO<sub>2</sub> injection skid and pipeline, and managed field operations for CO<sub>2</sub> injection project
- > Law Firm: Interpreted a joint operating agreement, prepared a development drilling schedule, forecasted production and determined the fair market value of a property containing Marcellus Shale reserves to assist law firm in winning civil suit

## Professional History

2017 – Present

### Senior Engineer

*Marshall Miller & Associates, Inc.*

2010 – 2016

### Senior Petroleum Engineer

*Cardno, Inc. (former Marshall Miller & Associates, Inc.)*

Prepare production forecasts, authorization for expenditures (AFE) and budgets, reserve and fair market value reports, field development engineering and production optimization studies for organic shale, coalbed methane (CBM), and conventional oil and gas projects. Coordinate and supervise well completions, workovers and plug and abandonments in the United States and China. Provide site due diligence reviews of oil and gas producing properties. Provide expert witness services.

2005 – 2010

### District Manager

*Dart Oil & Gas Corporation*

General management of district office including financial, engineering and operations. Manage joint venture and operational contracts; prepare capital and operating budgets and AFE, and production forecasts. Coordinate conventional and coalbed methane field development with vertical, horizontal and directionally drilled wells. Direct the drilling, completion and production operations and construction of the pipeline and compressor system for gas gathering and sales.

Develop new CBM field in the central Appalachian Basin from inception through the initiation of gas sales. Manage Cherokee Basin CBM operations of 900 wells, 28 gas compressors and approximately 500 miles of pipelines. Start-up operations of a conventional sandstone gas play in the Appalachian Basin.



2002 – 2005

**Gas Planning Specialist/ Pipeline & Production Manager**

*DTE Energy*

Manage production and revenue on pipeline system for Antrim and Niagaran production in northern Michigan. Operate pipeline system model to enhance gas flows on the wet and dry systems to improve efficiency of asset utilization.

1997 – 2001

**Senior Asset Manager, EOR**

*MCNIC Oil & Gas Company/DTE Energy*

Manage non-operated interests and develop strategic plans for growth, development and asset utilization of waterflood projects in the Uinta, Permian, and Illinois Basins and a CO<sub>2</sub> flood in the Michigan Basin. Prepare regional budgets, approve AFE, oversee preparation of SEC reserve reports, and conduct acquisition and divestiture analyses.

1995 – 1996

**Senior Project Engineer**

*Air Products & Chemicals, Inc.*

Direct construction of \$6 million methane processing plant. Provide engineering support to field operations staff to develop wells, improve gas production, and facilitate installation of production equipment.

1992 – 1994

**Drilling Engineer**

*Air Products & Chemicals, Inc.*

Install world's first commercial deep well sludge processing facility in The Netherlands. Serve as liaison with Dutch management. Develop drilling plans and facility cost estimates for project development in the United States.

1989 – 1991

**Career Development Program**

*Air Products & Chemicals, Inc.*

Development training program to enhance management skills in financial and operational areas through rotational assignments in internal audit, economic evaluation and project planning for energy and environmental projects.

1985 – 1988

**Production Engineer/Drilling & Production Specialist/Petroleum Engineer**

*Equitable Resources Exploration*

Initiate re-completion proposals to enhance production, prepare AFE, and execute economic evaluations with OGRE® software. Supervise well-site drilling and completion operations for a 250-well drilling program in eastern Kentucky and southwest Virginia. Design stimulation treatments and manage workover operations.



1984 – 1985

**Marketing Analyst**

*CE INVALCO*

Analyze oil and gas production activity to develop marketing materials and develop potential customers to purchase oil and gas production and processing equipment. Coordinate participation in trade shows.

1983

**Roughneck**

*Gulf Oil E&P Company*

Work on rig floor of company-owned drilling rig in west Texas as summer engineering intern.

**Publications &  
Presentations**

- > "*Northern Appalachian Basin Geologic Overview*," presented to delegation from China Coal Research Institute, Morgantown, West Virginia, October 2010
- > "*Phase II – Task 10: Evaluation of Large-Volume Carbon Sequestration Test Sites in Central Appalachia*," presented at the SECARB 6th Annual Stakeholders' Briefing, Atlanta, Georgia, March 2011, co-authors: Nino Ripepi
- > "*Production Operations and Use of Nitrogen in CBM Completion Practices*," presented to Henan Polytechnic University and PetroChina, Shanxi Province, China, March 2012