



KATIE M. REINAKER

Senior Vice President and Director

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*“It has been an honor to help carry Miller and Lents’
respected legacy forward—one client partnership at a time.”*

EDUCATION

- B.S. Chemical Engineering, Ohio State University, 2009

RELEVANT AREAS OF EXPERTISE

International and North American Experience:

Registered professional petroleum engineer with experience in reservoir engineering, fluid properties analysis, reserves determination, economic analysis, and acquisition and divestiture evaluations. Experienced in both deterministic and probabilistic resource assessment methods. United States conventional experience includes the Gulf of Mexico; West Texas water and CO₂ flooding; Mid-Continent (*LaBarge, Hugoton*); California heavy oil; and Alaska North Slope (*Prudhoe Bay*). Specific experience in unconventional plays includes the Bakken, Barnett, Bossier/Haynesville, Eagle Ford, Codell/Niobrara, San Andres, Spraberry/Wolfcamp, Utica, and Marcellus plays. International experience includes fields in Australia, Brazil, Columbia, Czech Republic, Egypt, Georgia, Israel, Kazakhstan, North Sea and United Kingdom, Papua New Guinea, Russia, Trinidad and Tobago, and Vietnam. Further experience evaluating Coal Bed Methane and LNG prospects. Extensive experience modeling Production Sharing Agreements for a variety of international assets.

EXPERIENCE

2012 – Present **Miller and Lents, Ltd. — Houston, Texas**

2017 Senior Vice President

2016 Vice President

2012 Consulting Engineer

Responsible for oil and gas reserves and resources evaluations and economic determinations of domestic and international projects, both onshore and offshore, for numerous clients, including oil companies, private individuals, and banks.

EXPERIENCE *(continued)*

2009 – 2012 **ExxonMobil — Houston, Texas**

2010 – 2012 Reservoir Engineer — Gulf of Mexico

Surveillance Team Lead — Key contact for surveillance and issues associated with all wells at Mobile Bay. Created and maintained a full-field IPM model to reflect surface facilities and compression scenarios; conducted drill-well evaluation for multiple prospects; progressed major field compression projects to provide volumes uplift and add significant reserves; and performed multiple reserves assessments for annual planning cycle and for year-end SEC reporting.

Simulation Engineer

Utilized ExxonMobil software, Empower, to build and history-match field simulation models to evaluate infill drilling; experienced in gridding and scale-up of a geologic model using FloGrid; analyzed existing SCAL data to suggest changes to capillary pressure and relative permeability data from past models at Mobile Bay and identified areas of uncertainty to be adjusted during history matching.

2009 – 2010 Reservoir Engineer — West Texas

Worked with miscible gas flood key concepts, including primary through tertiary recovery, WAG operations, flood balancing and voidage replacement ratio, areal/vertical conformance issues, CO2 utilization, and gas breakthrough control.

PROFESSIONAL ORGANIZATIONS

- Registered Professional Engineer — State of Texas
- Society of Petroleum Engineers

OTHER

- Nationality: American
- Language Skills: English
- Years with Firm: Since 2012
- Software Skills: Proficient in ARIES, PEEP, PHDWin, OFM, @RISK, IPM, WellView, Ecrin, Eclipse, Empower, FloGrid, GeoX, Petrel™, and Fekete.



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