

HEATHER SCHILLER
Senior Reservoir Engineer



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VANDERBILT UNIVERSITY, NASHVILLE, TN

- Master of Science: Chemical Engineering, 1997

UNIVERSITY OF NEVADA, RENO, NV

- Bachelor of Science: Chemical Engineering, 1995

PROFESSIONAL PROFILE

Proven technical leader with management experience and the ability to tackle complex problems in a cross-discipline environment. Broad range of industry accomplishments in both conventional and unconventional plays including A&D evaluation, exploration, development planning/startup, and surveillance of oil and gas assets. Collaborative integration skills for asset development and optimization. Key skills include large dataset management, migration, and analysis, scenario development and integration.

Software Knowledge:

- ARIES
- OFM
- PEEP
- PMTx
- Kappa Workstation
- IHS Harmony
- CMG (IMEX, CMOST)
- Petroleum Experts (PROSPER, MBAL, GAP)
- Wellview
- Spotfire
- R

PROFESSIONAL EXPERIENCE

QEP RESOURCES, Denver, Colorado, U.S.A.

Senior Staff Reservoir Engineer, Permian Division, 2016-2018

Recognized discipline leader providing support and guidance across unconventional assets. Mentored staff through one-on-one interactions and deployment of formal learning opportunities. Introduced key subsurface best practices, technologies, and software.

- Reservoir Studies and Performance Analysis: Implemented workflows that included thorough review of basin datasets (PVT, core, production, completions, etc.). Completed RTA on representative wells to understand variations in performance, impacts of completion changes, forecast future performance, and engineered fracture surface areas for reservoir simulation studies.
- Reservoir Simulation: Completed first in-house (for QEP) dynamic reservoir modeling study to better understand well spacing options in Spraberry Shale and Wolfcamp formations and evaluate uncertainties in reservoir characterization.
- Subsurface, Operational, and Commercial Integration: Worked closely with other disciplines – Geology, Petrophysics, Drilling, Completions, Operations, and Accounting to resolve issues,

share ideas, educate on existing and new technologies, and develop a better understanding of the assets.

Reservoir Engineering Manager, Natural Gas Division, 2014-2016

Managed reservoir engineering responsibilities including A&D, annual reserve estimations, development planning scenarios, and commercial evaluations for natural gas assets in Wyoming, Louisiana, and Utah. Coordinated work and professional development of eight engineers and engineering technicians. Leveraged outside industry experts to improve technical capabilities of staff. Worked closely with Operations and Finance to determine the cause of and resolve accounting issues to make financial and reserves reporting consistent and regulatory compliant.

SHELL EXPLORATION & PRODUCTION COMPANY

Team Leader, New Venture Support (Houston, TX), 2013-2014

Managed performance and development of 4 engineers (reservoir and petrophysical) and 1 engineering technician. Responsible for providing technical and commercial assessment of unconventional oil and gas opportunities throughout North and South America. Provided technical assurance and review of staff work including reservoir simulation, RTA, reserves estimation, resource evaluation, and development planning.

Staff Reservoir Engineer (Studies) (Denver, CO), 2010-2013 Sand Wash Basin

Developed type curves, reserve estimates, and hydrocarbon maturation plans for early exploration oil play in Sand Wash Basin working with the broader exploration team to identify appropriate analogs and understand commerciality of the project. Responsible for acquiring and analyzing the results of a down-hole unconventional Niobrara PVT sample and further incorporating the results in reservoir simulation. The dynamic simulation was set up to test the team's understanding of the naturally fractured reservoir, investigate the range of potential performance outcomes, and further understand the impact of various development options.

Pinedale Anticline

Completed multiple reservoir simulation studies of the Pinedale Anticline as part of a cross-discipline team looking at all available quality data from SCAL, PVT, DFITs, DTS, and DAS. Evaluated completion performance, predicting well performance, and determining optimal spacing considering both the technical limit of the reservoir and economic viability. Integrated DTS/DAS data in finer scale reservoir simulation to investigate extent of "supercharging" from drilling fluids into reservoir.

Senior Reservoir Engineer (Operations) (Denver, CO), 2007-2010

Evaluated development well performance and managed process for new well approvals (pre and post drill economics, reserves estimation, production and capital spend relative to plan, and competitor performance). Completed and utilized RTA analyses on multilayer, tight gas wells in both the U.S. and Canada to estimate reservoir properties, evaluate completion effectiveness, and forecast future performance. Mentored new professionals.

Reservoir Engineer (Surveillance) (Denver, CO), 2005-2007

Facilitated management meetings with onshore assets tracking and reporting key metrics related to drilling, completion, production, deferment, capital, safety, and competitor performance. Participated in well reviews with operations staff to troubleshoot operational issues, identify workover candidates, and further understand well performance. Developed full field water forecast to drive down costs, maximize water reuse, enable efficient use of disposal capacity, and plan for future injection capacity.

VISTEON CORPORATION, Dearborn, Michigan, U.S.A.

Product Design Engineer, 1999-2001

Designed and facilitated manufacturing trials to prove plant capability. Managed development and release of catalytic converters. Developed and maintained relationships with customer and suppliers enabling cooperation and data exchange and resolving manufacturing issues.

SHELL OFFSHORE INC., New Orleans, Louisiana, U.S.A.

Reservoir Engineer (Shelf Division – GOM), 1997-1999

Evaluated profitability of recompletion opportunities. Optimized field production by recommending compression changes (nodal analysis, Integrated Production Modeling). Collaborated with financial rep to complete annual business plan and reserves audit. Completed technical analyses including PTA , Material Balance, and volumetrics