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## Karen C. 'KC' Miller

*Partner, Reservoir Engineering Consultant*

### Summary

KC is a Partner and Reservoir Engineer Consultant with over 45 years of industry experience. KC has worked on reserves and resource evaluations, reservoir simulation, thermal recovery design and analysis, managed and participated in complex reservoir engineering projects in the United States and Latin America.

### Key Attributes

- Qualified reserves evaluator
- Reservoir simulation
- Thermal recovery design and analysis
- Database management and implementation
- Reserves evaluation and analysis
- Production surveillance
- Regulatory Compliance

### Education

B.S., Civil Engineering, University of Arizona

### Professional Memberships

Society of Petroleum Engineer (SPE)



## Karen C. Miller | Partner, Reservoir Engineering Consultant

### Experience

#### **2022 to Present: Humble Engineering Advisors, Inc., Partner**

Provided database management support, oil & gas reserves determinations and regulatory compliance to HEA clients.

#### **2019 to 2022: Sproule, Sr. Reservoir Engineer**

#### **2009 to 2019: MHA Petroleum Consultants, Sr. Reservoir Engineer**

Construct simulation models for heavy oil reservoirs in San Joaquin Basin, California. Manage production and engineering databases. Estimate oil and gas reserves using decline curve analysis. Build economic cases in PHDWin, ARIES, PEEP and ValNav software for reserves reporting. Participated on reserves team that evaluated reserves for California properties of large independent oil company. Program EXCEL files using VBA code. Supervise engineering technicians and tech workload.

#### **1995 to 2009: Serco-NA, Inc. and SI International, Sr. Reservoir Engineer**

Conduct thermal simulation studies. Build production and engineering databases. Prepare reserves evaluation. Manage geologic and engineering data sets for the Elk Hills equity redetermination and performed data analyses related to reservoir performance and volumetrics.

#### **1991 to 1995: Evans Carey & Crozier, Staff Sr. Reservoir Engineer**

Responsible for reservoir engineering on the equity redetermination study Naval Petroleum Reserve #1, Elk Hills field. Responsibilities include the determination of new hydrocarbon volumetrics, through the evaluation of well log and core data, and the use of database, mapping, and spreadsheet programs.

#### **1984 to 1985: Consultant, Reservoir Engineer**

Conducted major reservoir studies for fields in Contra Costa County, CA and Ventura, County, CA.

#### **1983 to 1991: Central Pacific Resources, Chief Financial Officer**

Responsible for all internal accounting for independent oil producer with operations in San Joaquin Valley.

#### **1979 to 1982: Tenneco Oil E&P, Sr Project Engineer**

Prepared annual reserve recognition accounting submittal for the Division. Responsible for reservoir engineering on Tenneco's 16 operated properties in the Bakersfield Arch. Responsible for reservoir engineering on the 6600 BOPD Yowlumne Unit "A" waterflood project. Coordinate the Division's \$135 million annual operating budget, and five-year forecast.

#### **1974 – 1979: Exxon Company, USA, Reservoir Engineering Supervisor**

Reservoir Engineering supervisor. Directly supervise reservoir engineers and support personnel. Responsible for surveillance on +100 multi-completion wells producing +16,000 BOEPD. Responsible on an individual basis for the continuous economic evaluation of the \$310 million Santa Barbara Channel Project.