

**KAREN C. MILLER**  
*Senior Reservoir Engineer*



**MHA Petroleum Consultants LLC**  
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## **EDUCATION**

- B.S., Civil Engineering, University of Arizona, 1974

## **PROFESSIONAL PROFILE**

Over thirty years of petroleum engineering experience including:

- Reservoir simulation
- Thermal recovery design and analysis
- Database management and implementation
- Reserves evaluation and analysis
- Production surveillance

## **WORK EXPERIENCE**

### MHA Petroleum Consultants

(2009 – Present) **Senior Reservoir Engineer**

Construct simulation models for heavy oil reservoirs in Kern County CA. Manage production and engineering databases. Estimate oil and gas reserves using decline curve analysis. Build economic cases in Merak PEEP software for reserves reporting. Participated on reserves team that evaluated PDP reserves for CA properties of large oil company. Program EXCEL files using VBA code. Supervise engineering technicians and tech workload.

### SERCO-NORTH AMERICA, INC.AND SI INTERNATIONAL

(1995 – 2009) **Senior 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.

### EVANS CAREY & CROZIER

(1991 – 1995) **Staff Senior 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.

CONSULTANT

(1984 – 1985) **Reservoir Engineer**

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

CENTRAL PACIFIC RESOURCES

(1983 – 1991) **Chief Financial Officer**

Responsible for all internal accounting for independent oil producer.

TENNECO OIL COMPANY

(1980 – 1982) **Consultant**

Prepare annual reserve recognition accounting submittal for the Division. Coordinate annual \$150 million operating budget. Responsible for reservoir engineering on Tenneco's 16 operated properties in the Bakersfield Arch.

TENNECO OIL COMPANY

(1979 – 1980) **Senior Project Engineer**

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.

EXXON COMPANY, USA

(1978 – 1979) **Reservoir Engineering Supervisor**

Reservoir Engineering supervisor. Directly supervise five reservoir engineers and three support personnel. Responsible for surveillance on 135 multi-completion wells producing 16,000 BOPD and 260 MMCFPD.

EXXON COMPANY, USA

(1974 – 1978) **Senior Reservoir Engineer**

Responsible on an individual basis for the continuous economic evaluation of the \$310 million Santa Barbara Channel Project.

