

M. Fred Duewall

EDUCATION: B.S., Mechanical Engineering, with honors
Texas A&M University, May 1973

WORK EXPERIENCE:

1991 - Present

William M. Cobb & Associates, Inc.

Senior Vice President

- Perform due diligence reviews for banks and other lending institutions to determine if recoverable reserves and future cash flows, based on alternate pricing scenarios, provide adequate collateral for loan portfolios
- Estimate recoverable reserves, prepare estimates of future cash flows, and determine market values of oil and gas properties for acquisitions and sales
- Perform engineering evaluations to estimate recoverable reserves and future production from reservoirs with primary, secondary, or tertiary recovery operations in domestic and international locations
- Provide technical assistance to clients desiring to optimize existing waterfloods and CO₂ projects

1981 - 1990

Resource Evaluations, Inc.

Vice President

- Prepared reserve studies (reserve and revenue forecasts) for clients with oil and gas properties throughout the continental United States, Gulf of Mexico, and the North Sea
- Evaluated drilling prospects and prepare economics related to proposed reserve acquisitions
- Performed reservoir engineering studies which included well log interpretation, analysis of historical performance trends, preparation of structure and isopach maps, estimates of recoverable reserves, and economic projections

1980 - 1981

***Texas Oil & Gas Corporation (Delhi Pipeline)
Reservoir Engineer***

- Responsible for evaluating and updating dedicated reserves and deliverabilities attributable to wells connected to existing gathering systems
- Determined need for pipeline modifications, compression, and processing plants
- Provided technical assistance to the gas purchase representatives concerning contract specifications and pricing

1977 - 1980

***Texas Oil & Gas Corporation (Delhi Pipeline)
Systems Engineer***

- Evaluated and designed pipeline projects from single well connects to major field-wide system expansions
- Provided production facility design, cost estimating, material acquisition, and economic evaluation
- Responsible for the design and/or optimization of compression, dehydrating, treating, and processing facilities

1975 - 1977

***Exxon Company, U.S.A.
Senior Project Engineer***

- Responsible for process optimization, reduced fuel usage, increased compressor horsepower utilization, and waste heat recovery at King Ranch Gas Plant
- Coordinated maintenance of plant equipment and specified replacement equipment as required
- Designed and operated ambient and refrigerated lean oil processing and cryogenic processing plants

1973 - 1975

Exxon Company, U.S.A.

Project Engineer

- Designed and installed oil and gas production facilities, water injection and disposal equipment, and gas injection facilities
- Provided cost estimation, material acquisition, and economic justification of projects

TECHNICAL AND PROFESSIONAL SOCIETIES:

- Society of Petroleum Engineers (SPE)
- Society of Petroleum Evaluation Engineers (SPEE)
 - National Board of Directors, 1999-2002
 - National Chapter Communications Coordinator, 2000-2003
 - National Chapter Publicity Chairman, 1996-2002
 - Dallas Chapter Chairman, 1996-1997
 - Dallas Chapter Secretary-Treasurer, 1995-1996

REGISTRATION:

- Registered Professional Engineer, State of Texas

3/07