

Gregory A. Barnes, P.E.

Houston, Texas | (817) 946-6190 | gbarnesfw@outlook.com

Petroleum Engineer & Consultant

Petroleum engineer and executive with over 35 years of experience in reservoir engineering, reserves evaluation, asset valuation, and upstream oil and gas operations across major U.S. basins. Extensive background in managing assets, leading technical teams, and evaluating development programs, with recent experience providing consulting, litigation support, and expert witness services related to reserves, valuation, and operational matters.

Core Experience

- Reservoir engineering, reserves estimation, and forecasting (SEC / PRMS)
- Expert witness and litigation support
- Oil and gas asset evaluation and fair market valuation
- Acquisition and divestiture (A&D) analysis and due diligence
- Development planning, capital allocation, and performance tracking
- Production optimization and field operations
- Economic modeling and investment evaluation

FW Energy Consultants LLC – President (2021–Present)

- Provide reservoir engineering, reserves evaluation, and valuation services for upstream oil and gas clients
- Prepare internal reserve reports and support third-party audits
- Advise on acquisitions, development planning, and asset management
- Provide technical analysis, litigation support, and expert witness services

Warwick Investment Group – Sr. Engineering Manager (2019–2020)

- Led evaluation of acquisition opportunities across Eagle Ford, Haynesville, Permian, and SCOOP/STACK
- Collaborated with multidisciplinary team to assess over 50 opportunities
- Managed reserves reporting, budgeting, and technical analysis for investment decisions

Peregrine Petroleum Partners – Sr. VP & COO (2017–2019)

- Led Houston operations for private E&P company (~\$300MM)
- Managed team of engineers, geologists, and land professionals
- Doubled production in under two years
- Deployed over \$140MM in capital across development and acquisitions
- Established reserves, budgeting, and long-range planning processes

Eagle Flats Energy – VP Engineering (2016–2017)

- Evaluated acquisition and development opportunities in Anadarko Basin
- Prepared business plans and supported capital raising efforts
- Provided engineering support for reserves and operations

Silver Oak Energy – Founder & VP Engineering (2010–2015)

- Co-founded private equity-backed E&P company
- Led reservoir engineering, reserves, and performance tracking
- Developed horizontal drilling programs in East Texas and Anadarko Basin
- Supported asset development and ultimate sale of company assets

Encore Acquisition Company – VP Northern Region Operations (2006–2010)

- Managed 25,000 BOE/D production across 1,500 wells
- Led 5 managers, 24 technical staff, and 140 field personnel
- Oversaw waterflood, enhanced recovery, and horizontal development programs
- Accountable for production, capital efficiency, reserves, and P&L

Encore Acquisition Company – Engineering Leadership Roles (2000–2006)

- Coordinated waterflood and tertiary recovery projects
- Led development and construction of major air injection facility
- Managed redevelopment programs and field operations

Early Career Experience

- Union Pacific Resources – Operations Engineer (West Texas & East Texas)
- Range Resources – District Engineer (Gulf Coast)
- Mitchell Energy – Senior Production Engineer (Fort Worth Basin)

Education

Texas A&M University – M.S., Petroleum Engineering

Texas A&M University – B.S., Petroleum Engineering

Licensure

Registered Professional Engineer – Texas (1994)

Specific Expert Witness Cases

Peachridge Energy Operating, LLC v. Basin Engineering, LLC
In the 129th Judicial District Court for Harris County, State of Texas
Cause No. CJ 2023234

Dorchester Minerals, L.P. et al. v. Steward energy II, LLC et al.
Cause No. 10708
District Court, 121st Judicial District, Yoakum County, Texas

Panhandle Rocking P Ranch, et al. v. Scout Energy Management, LLC
Cause No. 2290
In the District Court of 31st Judicial District Roberts County, Texas

Spring Creek Production, LLC, et al v. Comanche Exploration Co., LLC
Cause No. CJ-2024-32
District Court, Major County, Oklahoma