

Petroleum Engineer with over 40+ years varied experience including production and reservoir engineering dealing with onshore, offshore, domestic and international reservoirs and fields. Strong basis in reservoir characterization and simulation. Member Society of Petroleum Engineers since 1967 (member of the Legion of Honor).

Strengths:

- ◆ Integration of data into working reservoir models (both static and dynamic);
- ◆ Strong team member, working well with others ranging from geoscientists to operations;
- ◆ Proven computer skills in Unix (SGI), Linux, Windows and Macintosh;
- ◆ Tool skills: VIP, CMG and Eclipse (dynamic reservoir simulation); Stratamodel, GoCad, and Roxar RMS (static geologic modeling packages); Microsoft Office Suite;
- ◆ Experienced-based, well-rounded understanding of the oil and gas business.

PROFESSIONAL EXPERIENCE

Petrotechnical Resources Alaska 2004 - Present

Anchorage, AK

Contract Senior Reservoir Engineer for Independent and Major Oil Companies

- ◆ reservoir engineer for a natural gas storage field assisting in new well placement, in the drilling of the new wells, analysis of new and old well data, interfacing with geoscientists to get structure and properties for the building of 3D geological models, built multiple 3D geologic models incorporating new geologic interpretations, exported each geologic model's data to reservoir simulation creating different reservoir simulation models, history matched each simulation model, created and ran multiple predictive cases, prepared project progress reports, as well as final modeling reports, attended project meetings providing assistance in reaching project goals.
- ◆ reservoir engineering on North Slope fields: reservoir evaluation, reservoir modeling (build and operation), scenario and depletion planning, partner meeting presentations and representation, mentoring
- ◆ reservoir engineer for a team evaluating and then restarting a North Slope field: data integration and evaluation, reservoir modeling (build and operation), presentations, day to day reservoir engineering for field operations
- ◆ development advice for new field development
- ◆ reservoir engineer on team evaluating a new North Slope play.

Marathon Oil Company 1966 - 1970 and 1974 - 2004

Anchorage, AK: 2002 - 2004

Senior Reservoir Engineer

- ◆ built reservoir models (static and dynamic) in collaboration with geoscientists
- ◆ wrote a gas storage scoping study including literature search, study of demand, development of reservoir models to study operation, gathering of data from operations, facility and gas marketing, and economic analysis of various scenarios
- ◆ performed economic evaluation of field and well projects
- ◆ did field reservoir engineering duties in support of operations.

Houston, TX: 1998 - 2002

Senior Reservoir Engineer (Technology Organization)

- ◆ constructed static and dynamic models including fields with reverse faulting, fractures and low permeability
- ◆ championed joint industry projects for Marathon in Stanford University's geostatistic (SCRF) and reservoir modeling (SUPRA-B) consortia. Worked with others from major petroleum companies, government, consultants and software developers.

Senior Reservoir Engineer (3 years Sakhalin II project, Lunskeye Field Team)

- ◆ supervised contractor in building full-field static reservoir model
- ◆ performed data integration leading to working reservoir models (full field and oil rim)
- ◆ operated models to determine development scenarios
- ◆ presented engineering results to international partners and Russian experts/officials both in Houston and Moscow
- ◆ worked with a multi-cultural team in accomplishing broadly acclaimed field development reports and field models.

Littleton, CO: 1980 - 1998

Advanced and Senior Reservoir Engineer (Research/Technology Center)

- ◆ wrote in-house technical software
 - ◆ developed and taught in-house technical courses
 - ◆ constructed and/or operated dynamic reservoir models for fields worldwide including the simulation of Sakhalin II's Piltun Astokhskoye oil field with development of scenarios
- assisted in integrated reservoir studies leading to building static reservoir models and taking the data onto dynamic reservoir models.

Lafayette, LA: 1976 - 1980

Production Engineer (offshore)

- ◆ designed and supervised gravel packs and coiled tubing workovers
- ◆ designed well completions.

Reservoir Engineer (offshore)

- ◆ determined pay intervals for perforation (using log analysis)
- ◆ calculated reserves using volumetric and decline curve analysis
- ◆ performed economic evaluation and budgeting (including district budget coordinator position).

Shreveport, LA: 1974 - 1976

Reservoir Engineer (onshore Arkansas, Louisiana and East Texas)

- ◆ calculation of both company and outside-operated reserves using volumetric and decline curve analysis
- ◆ performed economic evaluation and budgeting.

Summer Intern: 1966 - 1970 Chickasha, OK, Price, TX, Robinson, IL, Tulsa, OK, Littleton, CO

- ◆ worked as clerk, roustabout, and engineering assistant in district, division and research center offices.

COMPUTER SKILLS

- ◆ Platforms: Unix (SGI), Linux, Windows and Macintosh
- ◆ Applications: VIP, CMG and Eclipse (dynamic reservoir simulation), Stratamodel, GoCad, Roxar RMS (static geologic modeling packages) and the Microsoft Office Suite
- ◆ Able to learn new software quickly.

MILITARY SERVICE

- ◆ Honorable Discharge from US Army: active duty 1971 to 1974 – MOS: Petroleum Products Analysis (Postings: Ft. Lewis, WA, Ft. Lee, VA and South Korea).