

# Reservoir Simulation Engineer II

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**Department:** Reservoir Solutions  
**Reports to:** Senior Vice President, Technology  
**Location:** Houston, Texas

## DESCRIPTION:

As a member of the Reservoir Solutions department, the Reservoir Simulation Engineer II is responsible for executing all engineering initiatives related to the Reservoir Engineering/Simulation. This high impact, highly paced position includes both a sound technical foundation and excellent communication skills. This position is responsible to combine knowledge of reservoir development, and basin analysis techniques to generate quality solutions to support exploration efforts and reservoir development challenges.

## PRIMARY DUTIES AND RESPONSIBILITIES:

- Abide by the policies set forth in the Company's quality and safety manuals and is alert and aware at all times of their own safety and the safety of others
- Perform volumetric calculations, Review and recommend RCA and SCAL testing and integrate analysis into models.
- Generate rock properties from core data
- Generate PVT relationships from testing data
- Perform rate-transient analysis and decline curve analysis
- Perform history matching - Perform multi-well (field) reservoir simulation modeling (History matching and forecasting)
- Extensive unconventional experience – working on integrated field development projects that engage multidisciplinary teams
- Support reservoir engineering efforts on integrated projects
- Become competent in the Company's unconventional technologies
- Interface with geologists, petrophysics and completions engineers to capture observations in static models for history matching
- Develop asset optimization strategies to continuously improve the economic performance of the asset

## QUALIFICATIONS:

- Master of Science degree in Petroleum Engineering, research focus in reservoir simulation preferred
- 3+ years' petroleum reservoir simulation experience
- Some experience in a consulting services environment
- Good data management and computer literacy
- Working knowledge of other technical disciplines including completions, petrophysics, geology and geomechanics
- Experience in shale/resource plays a plus

#### PERSONAL ATTRIBUTES:

- Works well in a team environment
- Ability to multi-task
- Strong analytical skills
- Strong written and verbal communication skills
- Ability to present technical materials

*The job duties listed in this job description may not be inclusive of all requirements of this position. Other duties may be assigned by your supervisor and/or manager.*

*The above statements are intended to describe the essential functions and related requirements of persons assigned to this job. They are not intended as exhaustive list of all job duties, responsibilities and requirements.*

**All interested parties should send their CV/resume for consideration to:**

[careers@premieroilfieldlabs.com](mailto:careers@premieroilfieldlabs.com)

#### ABOUT PREMIER OILFIELD LABORATORIES

Premier Oilfield Laboratories (“Premier”) brings together a multidisciplinary team of experts who utilize breakthrough technologies and progressive approaches to help our clients understand how to better design exploration and exploitation strategies, optimize production and mitigate risk.

The rapid growth and achievement of Premier and its clients is anchored in our philosophy of "keeping science ahead of the drill bit". Our business and our industry depend on finding new and efficient means of increasing returns on investment while minimizing costs. Our success is our clients’ success.

We strive to cultivate an environment in which expert scientists and engineers can design novel concepts to solve extremely difficult problems, generating solutions for industry challenges together with the support of an internal lab and industry consultants.

Premier provides equal employment opportunities (EEO) to all employees and applicants for employment without regard to race, color, religion, sex, national origin, age, disability or genetics. In addition to federal law requirements, Premier complies with applicable state and local laws governing nondiscrimination in employment in every location in which the company has facilities. This policy applies to all terms and conditions of employment, including recruiting, hiring, placement, promotion, termination, layoff, recall, transfer, leaves of absence, compensation and training.