

**BALLARD PETROLEUM HOLDINGS LLC
JOB DESCRIPTION**

TITLE: Reservoir Engineer

DATE: January 22, 2024

DEPARTMENT: Engineering / Operations

LOCATION: Billings, Montana

I. BASIC FUNCTION

The reservoir engineer will leverage subsurface expertise to improve productivity and profitability across the company's asset base. Primary responsibilities include completion design, waterflood surveillance, and development planning. The engineer must be well rounded and eager to work on a multidisciplinary team to tackle a varied asset base including shales, tight sands, conventional sands, and carbonates. This position will play a key role in development strategy and portfolio management.

II. QUALIFICATIONS

Hold a four-year degree in a petroleum or related engineering discipline from an accredited college or university. Have a minimum of five years of varied industry experience including the design and execution of hydraulic fracturing jobs on horizontal wells. Experience with secondary recovery and familiarity with industry software for reservoir and frac modeling is preferred. Possess skills related to working in a team environment including the ability to communicate, both written and oral, and supervisory skills in the field and from the office. Advanced computer skills required, including familiarity with Microsoft Office Suite. Possess communication skills sufficient to represent Company in dialogue with third parties and ensure departmental and inter-departmental harmony.

III. DUTIES AND RESPONSIBILITIES

- A. Completion Design
 - a. Lead the frac modeling and design process.
 - b. Monitor completion techniques and results across the basin in all prospective horizons.
 - c. Benchmark internal results to offset completions.
 - d. Manage frac diagnostic program and analysis.
 - e. Maintain current understanding of industry theory and advancements in completion design for varying reservoir rock types. Apply these advancements to company completions.

- B. Waterflood Surveillance
 - a. Daily monitoring of producer and injector performance.
 - b. Design, coordinate, and review tracer studies.
 - c. Build and maintain reservoir models to forecast production and identify opportunities for improved sweep efficiency.
 - d. Stay abreast of latest waterflood techniques and technologies.

- C. Development Planning and Reservoir Management

- a. Work with geoscience team to delineate play extents, run volumetrics, and make development recommendations.
 - b. Review well spacing results and recommend proper well spacing.
 - c. Manage acquisition and analysis of pressure and temperature data.
- D. Special Projects and Enhanced Recovery
- a. Review and model EOR opportunities across Ballard's asset base.
 - b. Coordinate implementation of any EOR project.
 - c. Participate in prospect evaluation for wildcat drilling.
 - d. Assist in drilling, completions, workover, and production operations as needed.
- E. Reserves Reporting and Production Forecasting
- a. Work with third party auditors to compile annual reserves report.
 - b. Compile interim reserves report for bank redeterminations.
 - c. Update production forecasts quarterly for internal and external use.

IV. ONGOING TRAINING REQUIREMENTS

Keep informed on all new and old industry technologies that could improve Ballard's operations. This can be done via attendance of SPE tech talks, attendance of industry conferences, and online learning.

V. SUPERVISION EXERCISED

None

VI. SUPERVISION RECEIVED

VP of Engineering and Operations

Please contact Bryce Ballard, VP of Engineering and Operations, at bryceb@ballardpetroleum.com with questions or email your resume and cover letter to careers@ballardpetroleum.com to apply.