



Reservoir/Simulation Engineer

Division:	Exploration, Development & Planning
Location:	Calgary, Alberta
Posting Number:	PXT20250722

Why work at Parex Resources Inc.?

The Parex team is always looking to add top talent to our organization, who share our values and bring capabilities to deliver our business safely and with integrity, aligned with our Environmental Social & Governance (ESG) commitments in the areas where we operate. Parex is grounded in making the right decisions for all stakeholders, employees, the communities where we live and work, and our investors.

Parex Resources is a publicly-traded exploration and production company. With its headquarters in Calgary, Canada, and its operations in Colombia, the company has a 15-year history of delivering shareholder value. Highly profitable, the company possesses a strong balance sheet and is extremely well positioned to continue growing organically.

We offer a robust Total Rewards package for all of our employees, to ensure that we continue to attract and retain top talent. Be part of an exciting and growing team that is transformative, driven to exceed expectations, and keeps pace with the ever-changing global industry.

How do you fit in?

The Reservoir/Simulation Engineer will be responsible for, but not limited to: modeling, simulation, forecasting, production characterizations, and field development plans on our operated assets in the Northern Llanos and mature fields. You will be working across a wide range of reservoirs and operations in numerous basins in Colombia.

What you will do:

- Provide reservoir engineering support for Parex's operated fields across our portfolio in the Northern Llanos and mature fields.
 - Facilitate active drilling and completion operations.
 - Work within timelines and present to partners, to ensure budget approvals and that Parex meets its operational and production targets.
- Perform reservoir engineering analysis of pressure and production data, including data compilation and effective data management.
- Provide production engineering support to monitor, evaluate, and optimize well performance.
- Conduct regular analysis of well and field performance to identify trends and improvement opportunities.
- Develop a deep understanding of our reservoirs, rock and fluid properties, drilling and completion techniques, production practices, facility requirements, testing, and production and project economics.
- Participate in reservoir engineering studies that include reservoir simulation and modeling, Enhanced Oil Recovery (EOR) scoping, and production characterizations.

- Provide robust forecasts for our fields and participate in planning and optimizing production estimates for corporate decisions.
- Prepare reservoir engineering inputs for drilling, completion, and work-over proposals.
- Work in a multi-disciplinary team to meet base business objectives and collaborate to identify performance improvement opportunities.

What you must have/be:

- Minimum of Bachelor of Science in Engineering (Reservoir or Petroleum Engineering preferred).
- 5 to 15 years of progressive technical oil and gas experience within an exploration and production company.
- Previous international work experience is an asset.
- Combination of major and intermediate size company operating oil and gas experience preferred.
- Working knowledge of geology, operations, production, wellbores, pipelines and facilities.
- Familiarity with industry-standard software; experience in CMG and Schlumberger's INTERSECT considered strong assets.
- Understanding of reservoir engineering basics, with good knowledge of reservoir drive mechanisms and recovery methods.
- Previous experience in conventional reservoirs or conventional heavy oil reservoirs is a plus.
- Strong aptitude for working with computers / database systems and ability to learn new applications quickly.
- Spanish written and verbal language skills are an asset.
- High attention to detail with a focus on accuracy and efficiency.
- Ability to work in a multi-disciplinary team environment.
- Ability to follow specific processes and instructions, remain open to feedback, and work independently.
- Ability to be innovative and solve problems effectively with an end goal of improving processes to increase efficiencies.
- Proven aptitude to effectively manage multiple tasks and changing priorities, often under pressure and within time constraints.

Where you'll be working:

This position is located in our Corporate Headquarters at 2700 Eighth Ave Place, West Tower in Calgary, Alberta T2P 1G1, Canada.

Parex has an in-office work schedule Monday to Thursday (in support of fostering team integration and cross-functional collaboration), with the option to work remotely from home on Friday.

Ready to join our team?

Please apply via the posting on [LinkedIn](#).

Posting Closes: August 6, 2025

We appreciate your interest in working with us, however, only those applicants selected for interviews will be contacted.