



SUMMER STUDENTS – PETROLEUM GEOSCIENCE

Type of Positions:	3 Fixed Term Roles – 4 months (May 1 – August 31)
Eligibility:	Must be returning to a full-time degree or diploma program
Location:	Calgary, Alberta
Posting Number:	PXT20240112-2

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 Resources is a publicly-traded exploration and production company. With its headquarters in Calgary, Canada, and its operations in Colombia, the company has an over 10-year history of delivering shareholder value. Highly profitable, the company possesses a strong balance sheet and is extremely well positioned to continue growing organically.

As we shape the Parex story, we are grounded in making the right decisions for all stakeholders, including the communities where we live and work, environmental stewardship, our employees and investors. Be part of an exciting and growing team that continues to exceed expectations and transform to keep pace with the ever-changing global industry.

How do you fit in?

A 4-month summer term will provide you with professional work experience, build transferable skills and provide you with an opportunity to learn the practical application of your field of study.

Position #1 – Exploration Geophysics

Reporting to:	Sr Geophysical Advisor
Department:	Exploration

What you will do:

- Work with the Geoscience team to integrate data analytics and machine learning methods to the exploration workflow;
- Create a database of logging, core, seismic and fluid property data to understand regional trends and uncover geologic relationships that drive a successful Exploration program; and
- Map and integrate learnings with existing interpretation to enhance subsurface understanding.

What you must have:

- Registration in a Petroleum Geophysics post-secondary program;
- Programming experience (Python, R or MATLAB); and
- Good understanding of statistics and mathematics.

Position #2 – Operations Geoscience

Reporting to: | Area Geoscientist

Department: | Operations

What you will do:

- Work in an integrated team of geoscientists and engineers;
- Assist geophysicists and geologists with ongoing Exploration and Development activities that include reservoir characterization, development and well operations;
- Work in Petrel and generate geoscience interpretations for input into reservoir model building; and
- Apply regional seismic and well data interpretation to actively producing fields to assist with future business decisions:
 - Map well markers and log data;
 - Map seismic horizon and faults;
 - Analyze seismic attributes and cross plotting;
 - Integrate geophysical, geological and engineering data into field models;
 - Collect, analyze, and integrate well log, core, cuttings, petrophysical, and production data to support subsurface interpretation.

What you must have:

- Completed at least three years (preferred) in a Petroleum Geophysics or Geology post-secondary program - graduate students are also encouraged to apply;
- Understanding of seismic inversion and geostatistical modelling preferred, but not required;
- Understanding of well log correlation, calculations, facies, and map generation; and
- Good working skill level with Excel, Word, Outlook, MSTeams.

Position #3 – Exploration Geoscience/Engineering

Reporting to: | Manager Geoscience

Department: | Exploration/Exploitation

What you will do:

- Complete historical lookback on Parex's Exploration portfolio using our portfolio building and analytics tool GeoX to properly categorize and analyze Exploration prospect assessments;
- Communicate with Team Leads/Managers to understand historical well results, failure or success, and accurately document and update parameters in post well analysis tool;
- Use tools like Power BI or Spotfire to visualize trends through time, create reports and share analysis; and
- Integrate Reservoir Engineering concepts with historical Exploration and analogue production datasets to build tools, datasets, and/or processes to improve Exploration reservoir characterization efficiency and quality.

What you must have:

- Completed at least two years in a Petroleum Geoscience or Engineering post-secondary program;
- Experience in statistics and analytics is an asset;
- Strong competence with Microsoft Excel, Power BI or Spotfire; and
- Understanding of basic concepts that affect volumes and flow in petroleum reservoir systems (permeability porosity, saturations, viscosity, pressure, etc.).

Additional skills/attributes required for all candidates:

- A positive attitude, attention to detail, multi-tasking capabilities with the ability to prioritize and meet deadlines, and a willingness to learn and take initiative.
- Results Oriented – demonstrates a sense of urgency and strong commitment to achieving goals; well-organized and detail-oriented to deliver high quality work under tight deadlines.
- Adaptable – capable of working and adapting in challenging, fast paced environments and quick to learn new skills.
- Collaborative – works effectively across the organization to achieve corporate and personal goals.
- Innovative – champions new ideas; creates an environment that supports innovation and creativity.
- Problem Solver/Decision Maker – demonstrates excellent problem-solving skills and effectively examines events, issues, problems to generate solutions.
- Excellent Communication Skills – demonstrates effective interpersonal and communications skills, including verbal and written, as well as good presentation, report writing and cross-cultural skills.
- Team Player – shares knowledge, works effectively within a team environment and demonstrates leadership while working with other team members; enthusiastic, confident and develops strong working relationships quickly; ability to develop trust, respect and teamwork within and outside the organization.
- Self-Starter & Accountable – ability to work independently and unsupervised, and in collaboration with others, as required, to efficiently achieve work objectives; has a roll-up-your-sleeves attitude toward work.

Where you'll be working:

These positions are located in our Corporate Headquarters at 2700 Eighth Ave Place, West Tower in Calgary, Alberta T2P 1G1, Canada.

Ready to join our team?

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

Posting Closes: February 2, 2024

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