

## **Geology & Geophysics Summer Students**

### **THE COMPANY**

Headquartered in Calgary, Alberta and with operations near Fort St. John, British Columbia, Pacific Canbriam Energy Limited (“PCE”) is committed to our 5Cs business philosophy of creating benefits for our Community, Country, Climate, Customer, and Company.

Pacific Canbriam believes that the quality of its resource is a strategic asset that differentiates the company. Early efforts to identify a scalable, low cost supply source led to a focus in the Altares and Kobes Montney regions in northeast B.C. The Montney is a world class resource and Altares is among the highest quality areas. The region possesses a unique combination of thickness and over-pressure, which contributes to highly efficient stacked resource development and strong well deliverability. Pacific Canbriam’s Montney resource also possesses a high liquids content and overall rock quality that translates into a highly competitive supply cost.

We believe that teamwork is the foundation of our success. We have established a culture where problem solving skills and critical thinking are highly valued. Individual technical disciplines collaborate to achieve common objectives and continuously improve results. PCE’s strategy and its culture are centred on this commitment.

The next iteration of our integrated approach relates to the planned export of our natural gas to markets in growing economies overseas. To achieve this aim, PCE will supply B.C.’s proposed Woodfibre LNG project, which will liquefy the natural gas and load it into vessels. The natural gas will be shipped to help supply a growing demand for cleaner sources of energy in Asia.

### **THE POSITIONS**

We are seeking two geosciences summer students to join the Subsurface department in our Calgary head office, beginning this May, for a four-month term.

#### **Geology Summer Student**

The Geology student will map regional Montney trends using data purchased from multiple third parties.

Duties:

- Export select data from databases and import into Geographix for mapping purposes.
- Data will include: wet gas index, pressure gradient, temperature, CO<sub>2</sub>, H<sub>2</sub>S.
- Mapping will be done for all mappable units within the Montney and cover the entire Montney trend.
- The student will learn and use GeoScout and Geographix software suites.

### **Geophysics Summer Student**

The Geophysics student will delineate the controlling factors of hydraulic fracturing-induced seismicity in the Altares area.

#### **Duties:**

- Assess the relationship between Induced Seismicity and various attributes measured related to the geological setting.
- This includes the horizontal distance to the Cordilleran deformation front, effect of cumulative injected volume from fracing, significance of shut-in pressures and relationship to vertical distance to the Debolt formation (with respect to the hydraulic fracturing (HF) depth).
- Collect the data for various wells and searching for a relationship using machine learning tools.
- The student will learn to use Seisware, Petrel, Geoscout and Spotfire as part of their day to day work.

### **THE INDIVIDUALS**

#### ***About You***

- Ability to problem solve and work independently using sound judgement
- Maintain a calm composure, be flexible and adapt to changing priorities
- Possess a keen attention to detail, set and meet multiple deadlines and not mind performing repeated and routine tasks
- Have a positive attitude and desire to contribute to and collaborate with a high performing team
- Creative thinker with the ability to analyze, troubleshoot and make sound decisions
- High energy, self-starter with excellent verbal and written communication skills

#### ***Qualifications***

- Attending University in a Science Degree Program, in either Geology or Geophysics, focusing in Petroleum.
- Must have completed 2<sup>nd</sup> or 3<sup>rd</sup> year of studies in programs, per above.

### **APPLICATION PROCESS**

Please submit your resume and a cover letter to **HR@pacific-canbriam.ca** by 5:00 pm on **Monday, March 20, 2023**. Be sure to address your cover letter to Robert Bercha, Vice-President, Subsurface, indicating your interest in the position and how your experience meets or exceeds the qualifications. Pacific Canbriam Energy thanks all candidates however only those selected for an interview will be contacted.

*PCE is proud to be an equal opportunity employer. We firmly believe that having a diverse team not only celebrates our differences, but also drives innovation while optimizing performance. We commit to fostering*



**Internal**

*a diverse, equitable and inclusive environment, where talented people collaborate to continuously improve - collectively building an extraordinary vision for the future.*

*PCE encourages qualified applicants of any race, religious belief, colour, national or ethnic origin, disability, age, marital or family status, sex or sexual orientation, gender identity or expression to apply. Hiring decisions are based on merit, qualifications and unique business needs. We do not tolerate any discrimination, harassment or workplace violence and will investigate and remedy any claims in a timely manner and take appropriate corrective action.*

*PCE is committed to providing reasonable accommodations for qualified individuals with disabilities. If you require assistance with this application please reach out to [HR@pacific-canbriam.ca](mailto:HR@pacific-canbriam.ca)*