

### **ABOUT US:**

Birchcliff Energy Ltd. was founded in 2004 and is a Calgary, Alberta-based intermediate oil and natural gas company that explores for, develops and produces natural gas, light oil and natural gas liquids. We are a pure-play Montney producer and our operations are focused in the Peace River Arch area of Alberta. We believe our people are our most valuable asset and have an open and transparent communication policy between our staff, managers and executive team.

Birchcliff is seeking a savvy and enthusiastic **Senior Geophysicist** to join the Geoscience team reporting directly to the Manager of Geology. The ideal candidate will come with a rich industry background and a passion for geology, technology, software, analytics, and developing novel solutions for challenging problems. They are creative, innovative and thrive in creating best-in-class solutions.

We thank all applicants, however, only those meeting the minimum academic and experience requirements will be considered for the position.

### **RESPONSIBILITIES:**

- Lead and work on all geophysical related activities within a multidisciplinary team including exploration and exploitation, to develop and risk future drilling and completion opportunities, and assist with planning and executing an active drilling program.
- Manage the seismic data portfolio, provide quarterly reporting to Senior Management.
- Support and advance physics based and data driven field optimization models by integrating quantitative rock properties through seismic inversion and other novel reservoir characterization efforts.
- Be an active member of the multidisciplinary Geoscience team, researching and developing exploration models, play concepts and project details, focused on resource plays.
- Proactive and open communication with the operations team to inform drilling and completions execution.
- Contribute to geophysical evaluation of A&D and strategic land activities as required.

### **QUALIFICATIONS:**

- Bachelor of Science degree in Geophysics is required.
- APEGA Professional Geophysicist (P.Ge.) with 10-20 years of interpretation industry experience in the WCSB.
- Proven and demonstrable geophysical skills in the Montney/Doig Resource play.
- Specific experience in the Peace River Arch area play types.
- Experience in Petrel is required. Knowledge of Seisware, Transform and Spotfire are assets. Flexibility and familiarity working in different geodetic datums.
- Experience with acquiring, processing and interpreting micro seismic and fiber data.
- Specific experience in applying geophysical techniques for unconventional play types, including application of pre-stack inversion and the role of seismic in geomechanics.
- Strong understanding of rock physics as integrated in seismic interpretation.

- Experience working with, resolving and communicating aspects of structural geology including the timing and geometry of structural movements and their effects on natural fracture habit and geometry and the emplacement of hydraulic fracture stimulations.
- Familiarity with multivariable statistics, sampling, uncertainty and utilizing subsurface models to support data driven and physics-based modelling.

**ATTRIBUTES:**

- Demonstrated ability for project planning and time management to achieve specific deliverables and timelines; deadline and results oriented.
- Practical, results oriented, collaborative team player possessing the tenacity and determination to advance ideas, balanced with the skill, patience and tactfulness to accomplish projects in a harmonious manner.
- Comfort and competence in dealing with either the big picture or specifics of a particular project.
- Ability to handle a large, varied workload with the skill to appropriately delegate and provide mentorship as needed.
- Able to effectively balance autonomy and collaboration.
- Ability to adopt new technology that streamlines workflows.
- Ability to present complex technical ideas, concepts, and opportunities to a range of audiences in a manner which is professional, confident, clear, and concise.
- Ability to manage and independently prioritize multiple complex projects on tight timelines in a fast-paced, team-oriented operational environment.
- Knowledge seeker and attentive listener with a willingness to learn and ability to see multiple perspectives.

**APPLICATION PROCESS:**

Interested applicants are invited to submit their resume to [careers@birchcliffenergy.com](mailto:careers@birchcliffenergy.com) with “Senior Geophysicist” in the subject line of the email.

*Applications will be accepted until November 13<sup>th</sup> 2023.*

We thank you in advance for your submission; however, only those selected for an interview will be contacted.