

Are you a dynamic, highly motivated, rising star? Then you may be the right fit for Canacol. We are growing through development and exploration success in the world's most prospective basins. As we grow, we're looking for new team players who can fit in with a forward-thinking group that genuinely enjoys working together.

Join Canacol and you'll have a chance to make a big impact and grow with a corporation that's going places. We offer a competitive compensation program, best-in-class career opportunities and an exciting workplace environment.

Founded in 2008, Canacol Energy is looking for a Senior Geomodeller for its head office in Calgary.

### **Position Overview:**

Canacol Energy is seeking a Senior Geomodeller for its Calgary office location to work primarily on the company's clastic gas assets in Colombia. The primary responsibility for this position will be to drive the economically successful development of Canacol's conventional onshore reservoirs. The incumbent will prepare, query, and update static geocellular models for use in dynamic reservoir simulation. Geocellular models will be built fit-for-purpose and multiple models will be maintained for several asset teams. Static and dynamic input data will be used to generate representative reservoir architecture and connectivity in the geomodels. The role will involve delivering geologically representative geocellular models to the reservoir modeller for reservoir simulation. They will provide representative reservoir descriptions and identify key subsurface risks and uncertainties. They will also leverage the geocellular model (and integrated results from reservoir simulation) to help identify infill well locations, workover opportunities and step-out well locations. They will work collaboratively with other disciplines and teams.

### **Primary Responsibilities/Accountabilities:**

- Generate, QC and interpret reservoir properties, reservoir maps, cross-sections and structural configurations from wireline, core, seismic and dynamic input data
- Plan and build detailed, geologically representative, geocellular models in a timely manner by integrating all available geological, geophysical, petrophysical and engineering data and supplementing them with appropriate analogues
- Iterate the geocellular model with other disciplines to ensure that all subsurface understanding is adequately represented in the geomodel
- Create probabilistic analyses of geomodels to quantify reservoir uncertainty
- Utilize geomodels to drive field development strategies (i.e., future infill and step-out well locations and workovers)
- Work with engineering team to support ongoing reservoir surveillance
- Provide high quality technical support, advice and quality control on all geological modelling and reservoir characterization aspects
- Conduct quality control, peer reviews and timely communication of results
- Review and provide guidance on existing geocellular models from partners and other third parties
- Provide training and mentoring to junior geologists and other subsurface staff

### **Qualifications:**

- M.Sc and/or PhD in Geology, Earth Science, or related discipline required
- Professional Geologist designation from APEGA (or similar) required
- Must have 15+ years of industry experience working in an integrated operating company
- Must have 10+ years industry experience building & querying static geocellular models
- Experience working in structurally complex gas basins with limited well coverage is a must
- Expert proficiency with Petrel modelling software (including Workflow Editor) is essential
- Proficiency in understanding and application of geostatistical methods is a must
- A strong understanding of resource volumetric assessment and risk quantification is essential
- Significant experience with conventional clastic reservoirs is essential (focussing on fluvial, estuarine & shallow marine depositional environments)
- Candidates demonstrating extensive development geology experience to support development plans (i.e., infill drilling, workovers, step-out wells) are highly desirable
- Experience with detailed subsurface field mapping (depth structure, faults, isopach, net pay and palaeogeographic maps), cross-sections and facies interpretation
- Ability to QC, import and manipulate a variety of geological, seismic and borehole data
- Experience & judgement to obtain and utilize appropriate analogues where necessary to supplement sparse data
- Experience in seismic interpretation and time-depth conversion is an asset
- Ability to travel internationally
- Spanish language is an asset

### **Cultural Characteristics:**

- Enthusiastic and able to work independently with minimal supervision
- Ability to provide problem-solving skills is essential
- Ability to work collaboratively with multidisciplinary staff
- Proactive, forward-looking, and able to identify and solicit necessary support from colleagues in a timely manner
- Capable of managing more than one project in parallel and changing focus rapidly
- Deliver technically sound interpretations and clear recommendations in a timely manner
- Effectively communicate findings to team, management, and external stakeholders

### **Application Process:**

To apply, please submit your resume and cover letter to [hr-calgary@canacolenergy.com](mailto:hr-calgary@canacolenergy.com) with the job title in the subject line.

Canacol Energy Ltd. offers a very competitive compensation program, best-in-class career opportunities and an exciting workplace environment.

Thank you in advance for your application, but only those candidates selected for an interview will be contacted for this position.

Application deadline is Friday 24th January, 2025