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## **Position Overview:**

Canacol Energy is seeking a Contract Senior Geomodeler for its Calgary or Houston office to work primarily on the company's oil and gas assets in Colombia. Reporting to the Development Geoscience Coordinator and VP Development, the responsibility for this position will be to prepare, query, and update static geocellular models for use in dynamic reservoir simulation. The geomodeler will work closely with modeling team members (including simulation engineers) and asset team geologists, geophysicists, reservoir engineers and petrophysicists. Geocellular models will be built fit-for-purpose and multiple models will be maintained for several asset teams. The role will involve delivering the static model to the reservoir modeling team to perform dynamic history matching.

## **Responsibilities / Accountabilities:**

- Plan and build detailed, geologically rigorous, 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 asset team members to ensure that all subsurface understanding is adequately represented in the model
- Provide final static models to the simulation engineers and work with them to ensure a successful history matched dynamic simulation is achieved
- Generate net pay and other maps to support reserve audit and other third party processes
- Use models to provide guidance on field development strategies (ie: future well locations and workovers)
- Provide high quality technical support, advice and quality control on all geological modelling and reservoir characterization aspects
- Review and provide guidance on existing geocellular models from partners and other third parties
- Provide training and mentoring for junior geomodelers and other geoscience staff

## **Qualifications and Experience:**

- B.Sc. in Geology, Earth Science, or related discipline (M.Sc. or Ph.D. preferred)
- Professional Geologist designation from APEGA required (Canadian applicants)
- 10+ years industry experience building & querying static geocellular models
- Experience working in integrated subsurface development teams for an operator is an asset
- High proficiency in Petrel software. Familiarity with other modeling software is an asset
- Significant experience with conventional clastic reservoirs (fluvial, estuarine & shallow marine)
- Experience working in structurally complex basins with limited well coverage
- Experience with unconventional and naturally fractured reservoirs would be an asset
- Ability to 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
- High proficiency in geostatistical analysis to ensure coherent property distributions based on data and analogues

- Experience in well correlation, subsurface mapping, and basic petrophysical analysis as it applies to model construction
- Experience in seismic interpretation and time-depth conversion as it applies to model construction is an asset
- Supervisory experience
- Ability to travel internationally

**Personal Characteristics:**

- Enthusiastic and able to work independently with minimal supervision
- Work collaboratively with a geologist, geophysicist, reservoir engineers, simulation engineers, production engineers, petrophysicists and management
- Proactive, forward-looking and able to identify and solicit necessary support from colleagues in a timely manner and provide colleagues and management with support upon short notice
- Capable of managing more than one project in parallel and change 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 to [resumerestoration@canacolenergy.com](mailto:resumerestoration@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.