



## Available Job Opportunity: CCS Simulation Engineer

This is a full-time on-site role located in Allen, TX.

The CCS simulation engineer will be part of the CCS team and will provide support in the evaluation, development planning and permitting, and execution of a portfolio of carbon sequestration sites. This is an exciting opportunity for a candidate with extensive reservoir simulation experience to join CapturePoint's team of geologists and engineers to gather, evaluate, and reconcile all available data for a variety of industry-defining carbon management projects.

### Primary roles/responsibilities:

- Perform dynamic simulation to optimize well locations and injection rates based upon CO<sub>2</sub> plume migration and pressure response
- Partner with our geomodeler on model upscaling and local grid refinement
- Interpret, manage Quality Control, and explain multiphase reservoir dynamics
- Work with team to develop, run, and interpret sensitivity analyses
- Contribute to data collection strategies and well optimization
- Collect, interpret, provide QC, and integrate subsurface reservoir data from literature and analogues into dynamic reservoir model
- Calibrate models and ensure that the geological properties have been appropriately distributed and scaled to meet simulation requirements
- Perform uncertainty analysis in facies and reservoir property distributions to understand the range of both potential injectivity and plume migration
- Provide technical writing support for Class VI permits including detailed description of the dynamic model inputs and results
- Meet with regulatory bodies and provide technical support for requests for additional information

### Qualifications and Requirements:

- Minimum of 10 years reservoir simulation experience
- CMG/Eclipse/Intersect software experience.
- A strong understanding of statistical methods for populating reservoir properties within reservoir model and the ability to apply uncertainty analysis to review the range of potential outcomes.

**Apply** by sending your resume to [jobs@capturepointllc.com](mailto:jobs@capturepointllc.com). Indicate that you wish to be considered for the CCS Simulation Engineer position. We will contact you if you qualify for an interview. No phone inquiries please.