



Available Job Opportunity: CCUS Development Geologist

Full-time role in Allen, TX with some travel required (infrequent).

CapturePoint is defining the future of deep underground carbon storage, and we are seeking a skilled and motivated Carbon Capture, Utilization, and Sequestration (CCUS) Development Geologist to join our team! This role will help optimize CO₂ storage site selection by leading and supporting geological mapping and research, data analysis, and project planning, as well as enhancing reservoir characterization, and ensuring regulatory compliance. The ideal candidate will have 10+ years of experience analyzing subsurface geology, with a focus on onshore reservoir characterization, carbon capture, and/or enhanced oil recovery (EOR).

Duties and Responsibilities:

- *Site Characterization and Selection:*
 - Leverage knowledge of regional basin geology, stratigraphy, and structural features to assess the feasibility of CO₂ storage within conventional onshore basins at the site level
 - Conduct geological assessments to evaluate the suitability of subsurface formations within conventional onshore basins for CO₂ storage, focusing on porosity, permeability, cap rock integrity, and seismicity
 - Analyze geological data from conventional reservoirs to identify and recommend optimal injection zones, ensuring secure containment and long-term storage stability
- *Data Collection and Analysis:*
 - Process and interpret geological, geophysical, and petrophysical data to support storage capacity estimates, reservoir pressure profiles, and potential leakage pathways
 - Oversee and/or participate in field operations for data acquisition, drilling, well logging, and coring
- *Regulatory Compliance and Reporting:*
 - Ensure compliance with regulatory requirements and industry standards for carbon storage projects
 - Prepare detailed geologic site descriptions for Class VI module narratives

Skills and Abilities:

- Work closely with multidisciplinary teams, including engineers and regulatory experts, to ensure effective integration of geological insights into the overall CCS strategy
- Develop and update inputs for geological models of selected reservoirs, utilizing seismic, well log, and core data to simulate CO₂ injection and migration patterns
- Collaborate with reservoir engineers to perform dynamic modeling and assess the interaction between CO₂ and reservoir fluids and rock
- Provide technical input on project planning, risk mitigation, and operational strategies for carbon storage projects and Class VI permitting
- Strong analytical and problem-solving skills with attention to detail
- Excellent communication and collaboration skills, able to convey complex geological concepts to diverse stakeholders

Qualifications:

- Minimum of 10 years of experience analyzing subsurface geology, with a focus on onshore reservoir characterization, carbon capture, and/or enhanced oil recovery (EOR).
- Bachelor's or Master's degree in Geology
- Proficiency in geological software (e.g., Petrel, Petra, SMT Kingdom)
- Ability to travel when required (infrequent)
- Strong understanding of sedimentology and structural geology
- Substantial experience in subsurface mapping including well log correlation and seismic interpretation
- Familiarity with EPA's regulatory framework for Class VI well permitting
- Experience with CO₂ plume modeling and pressure-front forecasting
- Knowledge of geochemical interactions between CO₂, brine, and reservoir rocks

Benefits:

- Competitive salary and bonus.
- Comprehensive health package (medical, dental, and vision).
- Other premier benefits: 401(k) match and Tuition Assistance.
- Traditional (40 hours/week onsite), Work from Home Friday, or 9/80 work schedules are available.

Apply by sending your resume to jobs@capturepointllc.com. Indicate that you wish to be considered for the CCUS Development Geologist position. We will contact you if you qualify for an interview. No phone inquiries please.