

**Job Title:** Rock Characterization Specialist

**Requisition Number:** 032223966

**Job is available in these locations:** San Ramon, California, USA

**Overview External:**

Chevron is one of the world's leading energy companies, with approximately 60,000 employees working in countries around the world. We explore, produce and transport crude oil and natural gas; refine, market and distribute fuels and other energy products; manufacture and sell petrochemical products; generate power; and develop future energy resources, including biofuels and geothermal energy.

Chevron is accepting online applications for the position of Rock Characterization Specialist located in San Ramon, California through Friday, August 31, 2012 at 11:59 p.m. (Eastern Standard Time).

**Overview**

As part of the Rock Mechanics team within the Chevron Energy Technology Company's (ETC's) Drilling & Completions Dept., this position provides support to the exploration, well construction and reservoir development/management functions of business units across Chevron. Anticipated focus of this position is on gas/oil resources contained in shales and other fine-grained rocks. This includes supporting BU projects and workflows as well as supporting various ETC D&C, Reservoir and Earth Science activities. A key responsibility of this position is to provide professional oversight and management of laboratory rock mechanics testing programs performed at vendor or internal laboratories. An additional key responsibility is to develop and integrate new methods for characterizing the mechanical and related properties of shales and fine-grained rocks. Contributions to a broad range of ongoing strategic research (SR) and technical development (TD) programs within the team is also expected.

**Position Details:**

**Responsibilities for this position may include but are not limited to:**

- Develop and integrate core-based methods for characterizing mechanical and other properties of shales / fine-grained rocks.
- Deploy methods and workflows, integrating with log-based or other data as needed.
- Plan, manage and oversee integrated mechanical/acoustic testing programs on core. Ensure data quality. Report results to operating units, including visits and presentations as needed.
- Contribute to other Rock Mechanics team efforts as needed. This may include predictive or modeling work for well- scale geomechanics (e.g. wellbore stability, sand production) or reservoir-scale geomechanics (e.g.compaction).

**Required Qualifications:**

- Master's Degree in Engineering or Earth Science or related discipline.
- 0-10 years of experience post-Master's degree.
- Direct experience with laboratory testing of mechanical or acoustic properties of materials.
- Familiarity with the principles of rock mechanics or soil mechanics, preferably including formal training.
- Demonstrated ability to clearly convey concepts, objectives and results orally in presentations and in technical reports; ability to convey complex topics in a simple clear manner to those not familiar with the subject.
- Willingness to link research to operations.
- Demonstrated ability to work effectively and collaboratively in multi-

discipline, multi-cultural environment.

- Expectation and willingness to be mentored by senior subject matter experts (SME's) in rock mechanics and other disciplines.
- Desire to act as a bridge between laboratory testing and geomechanical applications in Drilling/Completions, Reservoir Engineering and Earth Science.

**Preferred Qualifications:**

- Ph.D. in an Engineering or related Earth Science field.
- Experience with laboratory testing of rocks or soils is preferred.

**Relocation Options:**

Relocation may be considered within Chevron parameters.

**International Considerations:**

Expatriate assignments will not be considered.

**Additional Information:**

Russ Ewy  
Chevron Energy Technology Co.  
6001 Bollinger Canyon Rd  
San Ramon, CA 94583  
925-842-6135  
[russewy@chevron.com](mailto:russewy@chevron.com)

**Application Process:**

Online only

<https://www.chevron.apply2jobs.com/>

search for 032223966 or  
'rock characterization'