

## ENGINEER/PETROLEUM

DESCRIPTION: Regulates and approves the location of oil and gas drilling sites and maintains all lease and ownership records; performs related work as required.

EXAMPLES OF WORK: (A position may not be assigned all the duties listed, nor do the listed examples include all the duties that may be assigned.)

Supervises the field inspection of oil and gas wells.

Obtains copies of well logs from bore holes and evaluates data.

Maintains extensive records of leases, ownership and cooperative development for producing wells and dry holes.

Supervises special testing programs conducted on a continuous basis during drilling operations.

Maintains records of oil production from operating wells.

May conduct geological and geophysical surveys to determine petroleum resources.

Approves drilling permits and oversees plugging procedures.

May determine gas-oil ratios of producing wells and determines allowable maximum efficient rate of production to meet regulations.

Conducts engineering studies to determine original oil in place, as well as primary and secondary reservoir recoverable reserves.

FULL PERFORMANCE KNOWLEDGES, ABILITIES, AND SKILLS REQUIRED: (These may be acquired on the job and are needed to perform the work assigned.)

ENTRY KNOWLEDGES, ABILITIES, AND SKILLS REQUIRED: (Applicants will be screened for possession of these through written, oral, performance, and/or other evaluations.)

JOB PREPARATION GUIDELINES: (Entry knowledge, abilities, and/or skills may be acquired through, BUT ARE NOT LIMITED TO, the following coursework/training and/or experience.)

Bachelor's degree in petroleum geology or petroleum engineering plus training in evaluation of mechanical, electrical and radioactive well logs and three years experience as exploration geologist or field petroleum engineer.

### SPECIAL NOTE

Receives personal conferences as needed. Requires knowledge of oil and gas reservoirs and engineering principles. Must be self-motivated with ability to analyze petroleum problems.