



CITY OF LONG BEACH CLASSIFICATION SPECIFICATION

PETROLEUM ENGINEER ASSOCIATE I - II

DEFINITION: Under supervision, performs increasingly complex and responsible petroleum engineering work pertaining to oil field development, oil and gas production operations, enhanced recovery methods, subsidence control, and other related work.

REPORTS TO: Petroleum Engineer I/II, Geologist I/II, or Division Engineer - Oil Properties

DISTINGUISHING CHARACTERISTICS:

Grade Level I - Performs the entry-level duties of the classification;

Grade Level II-Performs the more complex and responsible petroleum engineering work;

EXAMPLES OF DUTIES:

- Prepares, reviews, or assists in the preparation of petroleum engineering projects, studies, and programs pertaining to oil field development, oil and gas production operations, reservoir performance, oil and gas reserves, field equipment, fluid injection operations, water injection operations, subsidence control, abandonment operations, and other related petroleum engineering work;
- Prepares and maintains production, isocut, isobar, isogar, and isochore maps, sections, charts, and graphs;
- Performs field work in connection with drilling and production operations as directed;
- Observes and records data on formation tests, cores, cementing, and remedial and production operations;
- Inspects field equipment;
- Assists in the preparation and the making of formal oral presentations to City, Department, contractor, and regulatory personnel;
- May conduct physical and chemical tests concerning oil, gas and water;
- May perform in a lead capacity over subordinate personnel;
- Performs other related duties as required.

MINIMUM REQUIREMENTS:

- Graduation from an accredited college or university with a Bachelor's degree in Petroleum Engineering, Geology, or closely related field, OR Graduation from an accredited college or university with a Bachelor's degree and two (2) years of recent experience in petroleum engineering, oil field operations, or other petroleum related operations;
- Knowledge and ability to operate computers using spreadsheets, word processing, and other business and technical software pertaining to petroleum engineering;

PETROLEUM ENGINEER ASSOCIATE I – II (Continued)

- A valid California Class C motor vehicle operator's license;
- Wilmington Oil Field experience is desirable.

HISTORY:

- Revised: 05/30/72, 05/04/82
- Added Grade Levels I and II and consolidated Petroleum Engineering Assistant into Petroleum Engineering Associate: 05/24/2000
- Approval/Adoption Date: 05/24/2000