



CITY OF LONG BEACH CLASSIFICATION SPECIFICATION

PETROLEUM ENGINEER I - II

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

REPORTS TO: Division Engineer - Oil Properties

DISTINGUISHING CHARACTERISTICS:

Grade Level I - Performs the journey-level duties of the classification.

Grade Level II- Performs the most complex and responsible petroleum engineering work.

EXAMPLES OF DUTIES:

Directs, reviews, evaluates, coordinates teams, and/or participates 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, enhanced recovery methods, subsidence control, abandonment operations, and other related petroleum engineering work.

Directs, maintains, and/or participates in the preparation of production, isocut, isobar, isogor and isochore maps, sections, charts and graphs;

Directs and/or participates in field work in connection with drilling and production operations;

Plans, observes and reviews formation tests, coring, cementing, surveys, and remedial and production operations;

Inspects field equipment;

Reviews and analyzes electric logs;

Prepares and presents formal written and oral presentations to City, Department, contractor, and regulatory personnel;

Directs and ensures compliance with environmental and safety regulations;

May supervise, coordinate, plan, assign, train, direct, and evaluate subordinate personnel;

May assist in the development of budgets;

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; and

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Five (5) years of recent experience in petroleum engineering, petroleum geology, and oil field operations;

A Master's degree in Petroleum Engineering may be substituted for one (1) year of experience;

A Doctoral degree in Petroleum Engineering may be substituted for two (2) years of experience;

Registration as a Petroleum Engineer in the State of California;

Knowledge and ability to operate computers using spreadsheets, word processing, and other business and technical software pertaining to petroleum engineering;

A valid California Class C motor vehicle operator's license;

Wilmington Oil Field experience is desirable.

HISTORY:

Revised: 04/01/65, 05/04/82

Added Grade Levels I and II and consolidated Senior Petroleum Engineer into Petroleum Engineer II: 05/24/2000

Approval/Adoption Date: 05/24/2000