

## **Petroleum Engineers**

Petroleum Engineers are professionals who design, develop, and oversee methods for extracting oil, gas, and other hydrocarbons from underground reservoirs. They ensure safe, efficient, and cost-effective production while optimizing resource recovery and minimizing environmental impact.

### **Duties and Powers**

- Plan and design methods for extracting oil and gas from onshore and offshore reservoirs.
- Conduct feasibility studies, reservoir simulations, and production forecasting.
- Supervise drilling operations, well completions, and production processes.
- Monitor and evaluate reservoir performance to optimize recovery and efficiency.
- Ensure compliance with health, safety, environmental, and industry regulations.
- Collaborate with geologists, engineers, and technical staff to develop extraction strategies.
- Analyze data from wells, pipelines, and production facilities to guide operational decisions.
- Implement new technologies and techniques to enhance oil and gas recovery.
- Prepare technical reports, documentation, and presentations for management and stakeholders.
- Manage budgets, resources, and project schedules for petroleum extraction and production operations.