



#### Job Situation

On oil rig mostly, but at times in an office. Works with different workers from roughnecks, architects, engineers and suppliers. Considered risky work

#### Weekly Hours of Work

40

#### Overtime

0

#### Monthly Salary

\$7,000

#### Student Loan – Owning

\$12,000

#### Student Loan – Monthly Payment

\$300

#### Duties

Analyze reservoir performance. Improve production and optimize drilling. Design production options. Estimate future production capabilities. Design health and safety controls.

#### Prospects

Oil companies. Petroleum products manufacturers. Construction companies. All levels of government.

#### Job Title

Offshore Drilling Engineer

#### National Occupational Classification (NOC)

2145

#### Job Description

Drilling engineers are frequently involved in project management, which involves balancing budgets, schedules, contractor concerns, regulatory requirements, personnel issues, administrative details. They must schedule and supervise the operations necessary to keep the offshore site safe and productive. As crews are rotated out you often have to modify the approach to adapt to the drilling crew. Drilling engineers work with other professionals, such as geologists and geoscientists, to monitor drilling progress, oversee safety management and ensure the protection of the environment.

There is little routine to your day as some days may be almost totally consumed preparing well data sheets and other documentation such as carrying out full engineering analysis of rig site data and preparing regular well reports. Some days and weeks may be spent designing wellhead instruments with other head office designers, drawing up drilling programs taking account of desired production flow rates. These days are challenging as you bring a field experience that other desk types may not have, yet they bring a different expertise of which you only have textbook knowledge. Your years managing the roughneck crews taught you a lot about managing people and you are very adept at it. The workers let you know that your professional management approach is the best.

Your favourite days are when you negotiate with outside suppliers such as those for suppliers of drilling products, cement companies and helicopter services adhering to environmental protection standards, in some cases through direct discussion with local governments to ensure compliance with legislative requirements.