



## Job Description – Senior Drilling Engineer

*This job description is provided as a guide to the tasks, responsibilities and qualifications for this role. Specific projects may require variation to this description.*

Approved by T Brand (MD)  
Date: 27-08-07

### **Major Function and Purpose**

The Senior Drilling Engineer acts as the company's technical representative and is accountable for the technical planning and monitoring of the drilling/testing program.

### **Major Tasks and Responsibilities**

#### *Operations*

- Design drilling programs in accordance with industry recognised technical criteria and applicable drilling regulations, to achieve exploration objectives in a safe and cost effective manner.
- Prepare AFEs and monitor/coordinate cost control.
- Provide Drilling Superintendent and Materials/Logistics Coordinator with equipment lists for the program.
- Ensure procedures are technically valid and applicable to the specific well conditions.
- Ensure equipment and materials meet technical and quality control standards.
- Monitor and evaluate well conditions in conjunction with the Drilling Superintendent and Operations Geologist.
- Develop and maintain contingency plans for potential problems that could occur during the program.
- Initiate other management systems or procedures as required during the program.
- Communicate with Service Contractors about technical issues and any changes in the drilling program.

#### *Reporting*

- Ensure the quality and accuracy of all drilling reports before distribution.
- Provide stewardship reporting on potential improvements and methods for initiating change on future projects.

#### *HSE*

- Assist the Drilling Superintendent to supervise the HSE system.
- Act as a member of the Emergency Response Group, supporting the Drilling Superintendent in the event of an emergency response situation.
- Observe all company health, safety and environmental instructions, act in a safe manner and avoid unnecessary risks to themselves and others.
- Immediately report any unsafe conditions or activities, dangerous occurrences or injuries in the workplace.

### **Qualifications and Experience**

#### *Required*

- Engineering or science degree from a recognised university.
- Minimum of 10 years oil and gas drilling experience.
- Minimum of 5 years offshore floating drilling engineering and supervision.
- Industry training in drilling technology and HSE.
- Current certification in well control and HUET.
- Demonstrated leadership and communication skills, technical maturity and flexibility to adjust to change.
- Experience in dealing with a number of different functional disciplines in a non-authority leadership role to achieve program objectives.
- Good data management and computer literacy.

#### *Desirable*

- Specific petroleum engineering qualifications.
- Experience in horizontal and underbalanced drilling.
- Recent exposure to Australian/New Zealand oil and gas operations.