

Job Description for Recruitment



JOB TITLE	PRODUCTION TECHNOLOGIST	
LOCATION	Aberdeen/London Office	
SUMMARY OF JOB ROLE	<ul style="list-style-type: none"> The Production Technologist's role is to provide a broad range of expertise relating to the modelling, design and operation of wells, so that RDS can provide necessary skills and solutions for what may be a purely production technology issue, or a broader problem or project where some production technology input is essential. This may involve a variety of different tasks, including tubing size selection, artificial lift modelling and selection, sand management, sand face completion design and inflow performance modelling. Working effectively with other disciplines out with Production Technology, or as part of large multi-disciplinary team, is an essential part of the Production Technologist remit, in order to deliver projects which require a broad range of expertise. Depending on the skill set required for a particular project, the Production Technologist may "lead" or be part of a particular project. The role demands that close links are developed and maintained with other "wells" disciplines such as Drilling and Completions, Geomechanics and Production Chemistry 	
REPORTING RELATIONSHIPS	This position reports to:	Production Technology Team Leader/London Office Manager (currently under review)
AUTHORITIES	Post(s) report to this position:	To be confirmed
MAIN DUTIES	DESCRIPTION	
Technical	<p>Well Design & Productivity Analysis</p> <ul style="list-style-type: none"> Design of completion tubulars for a given application, taking into account life-of-field operating conditions including casing / tubing sizing taking into account industry best practice Tubing Stress analysis will be carried out to determine the appropriate wall thickness, material (in conjunction with Production Chemistry) and connection type. Determination of worst-case tubing head temperatures and pressures will be calculated to assist in wellhead equipment design; Co-ordination of multi-disciplinary investigations into well productivity or injectivity decline may be required, if they require an integrated approach <p>Nodal Analysis and Integrated Asset Modelling</p> <ul style="list-style-type: none"> Prediction of well performance or diagnosis of under-performance using proprietary nodal analysis tools such as Prosper Construction of linked Material Balance and Surface Network models, and match to historic performance data using MBAL / GAP or similar software. When necessary, extend this activity to incorporate numerical reservoir simulation models (e.g. ECLIPSE) and process simulation (e.g. HYSYS) models in packages such as RESOLVE <p>Solids Transport & Erosion Modelling</p> <ul style="list-style-type: none"> Use of various models and analytical techniques to determine where solids produced into the wellbore are likely to be transported to and detected at surface as a measurable sand production For wells where sand transport is predicted, calculation of likely erosional rates for a given solids loading / production rate. 	

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HSE&Q RESPONSIBILITIES	<ul style="list-style-type: none"> • Set good personal examples on HSE issues within your own areas of influence and operation. • Co-operate with RDS management in promoting, developing and maintaining a safe place of work and safe working practices and in meeting statutory health and safety requirements. • Ensuring adequate management of change, and risk assessment is applied to all aspects of well delivery, including policy dispensations. • Ensure all designs meet with RDS standards and policy, design codes and current legislation. • Be aware of the hazards in the work environment and report (or make safe if possible) any work methods, plant, equipment or conditions in their work area which they consider to be hazardous and submit suggestions to improve or remedy the situation. • Take reasonable care of themselves and others who may be affected by their actions. • Ensure the client always receives top quality reports. • Follow the RDS Business Management System to ensure quality. • Ensure that lessons learned are captured and reviewed at the start of each project.
KEY INTERNAL INTERFACES	<ul style="list-style-type: none"> • Interface with the Production Technology Team Leader/London Office Manager as a direct supervisor, as appropriate. • Interface with global Wells and Subsurface colleagues. • Interface with local peers and colleagues in the discipline. • Interface with other technical staff in the pursuit of combined projects and knowledge transfer. • Interface with Technical Support to gain their assistance. • Interface with internal HSE representative.
KEY EXTERNAL INTERFACES	<ul style="list-style-type: none"> • Current and future clients • Industry network • Universities
CAPABILITY / COMPETENCE REQUIREMENTS	
The capability/competence standards detailed within this Job Profile indicate the minimum entry standards expected at recruitment and also desirable standards that would be expected of an individual who has achieved full capability / competence	
Qualifications	
ESSENTIAL	Relevant degree/Masters or equivalent qualification
DESIRABLE	Relevant Professional qualifications
Personal Qualities	
ESSENTIAL	<ul style="list-style-type: none"> - Excellent analytical skills - Good communication skills especially in both spoken and written English. - Sound judgement - Accountability - Real team player with excellent co-ordinating and planning skills. - Capable of handling multiple tasks simultaneously - Ability to work largely unsupervised.
APPROVAL	
Approving Line Management : Adam Downie	Agreed by Post Holder : N/A