



A Baker Hughes Company

## Drilling and Completions

### Introduction

The Baker RDS Drilling and Completions team has a balance of well engineering and operations project management experience in well design, drilling, completions, well testing, sand control and well interventions.

We are fully resourced with RDS proprietary software and have access to the latest industry recognised well engineering applications. As part of a fully integrated subsurface and wells consultancy, Drilling and Completions is tightly linked with all other capability practice areas including Production Technology, Production Chemistry, Geomechanics, Petrophysics and Geology.

This ensures that when designing, planning and executing your well operations, you can be certain that we adopt a holistic approach which focuses on the optimum well design and operational strategy that achieves the well lifecycle objective.



Land based drilling.



North Sea platform

### Our expertise includes:

- > All aspects of well design
- > Completion design
- > Well test design
- > Drilling, completion & well testing supervision
- > Drilling & completions project management
- > Well interventions
- > Well examination
- > Extended reach well design
- > HPHT well design
- > Hydraulic workover operations
- > Well control strategies
- > Multi-lateral well planning
- > Coal-bed methane operations
- > Smart completion equipment
- > CCS (Carbon Capture and Storage)

### We are uniquely placed to help you:

- > Select optimum well designs
- > Select optimum equipment
- > Improve drilling & completion performance
- > Project manage drilling & completion operations
- > Comply with local government regulations
- > Integrate well planning with subsurface expertise

## What We Do

We have developed a significant experience base and track record in all aspects of well engineering and well operations management. We provide services from conceptual well design and planning through to well delivery.

## Well Engineering

We provide well design visualisation, option evaluation, cost estimates, risk analysis and ranking for all stages of the planning process.

All Well Engineering work is done in full collaboration with all the disciplines involved to assure a successful project. The Production Technologists, Production Chemists, Geomechanics, Reservoir Engineers, Geologists and Geophysicists, necessary for success can be part of the client resource or provided by RDS. Our Well Engineering services include:

- > Drilling and completion design
- > Exploration well planning
- > Field development planning
- > Casing design and tubing stress analysis
- > Well test design, planning and execution
- > Sandface design and planning
- > Well examination
- > Abandonment planning

## Operations Project Management

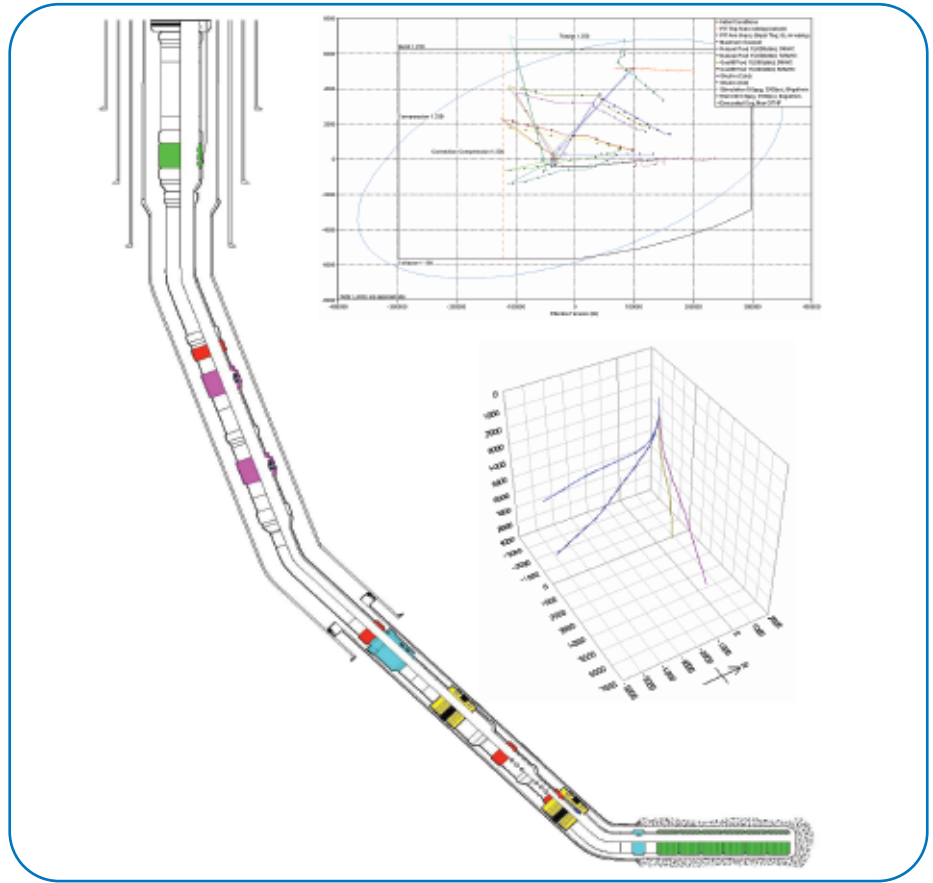
We have a strong track record for safe, successful and cost efficient management of drilling, completion, testing and well intervention projects.

Our project management services include managing:

- > Interfaces with government and regulatory bodies
- > Subcontractor, rig provider and logistics
- > Detailed drilling, completions and testing programming

## Track Record

RDS have established an excellent track record which has led to an experience base and knowledge infrastructure which is unrivalled in the subsurface and wells consultancy sector. We have undertaken projects which required both conventional and bespoke solutions for:



Expertise in all aspects of well construction and operations management

- > HPHT and hostile well environments
- > ERD, horizontal, deviated and multilateral wells
- > Wellsite supervision
- > Project cost estimation and control
- > Coiled tubing drilling
- > Artificial lift completions
- > Sand stabilisation and exclusion
- > Intelligent well completions
- > Coalbed methane drilling
- > Remote drilling operations management
- > CCS (Carbon Capture and Storage)

## People

RDS have a team of drilling and completion consultants who have together acquired more than 100 years of experience in the industry.

## Business Management System

We follow a set of procedures, policies, standards and operational guidelines that cover all aspects of well engineering and operations management. These are fully updated and controlled within our RDS Well Management System, which integrates into the company's Business Management System. This ensures a consistent and thorough approach to all of our well design and operational processes.

Our Business Management System is recognised by the award of ISO 9001, 14001 and 18001 by which we are certified to provide well and subsurface consulting, asset and operations management services to the oil and gas industry.

# RDS

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baker-rds.com

Aberdeen

Calgary  
Epic Consulting

Kuala Lumpur

London

Perth