Weatherford®

REAL RESULTS

ShallowAngle QuickCut™ Casing Exit System Removes Q125 High-Yield Casing in One Trip

The ShallowAngle *QuickCut* casing exit system, with *CustomCut* tungsten carbide inserts, cut through Q125 high-yield casing in one trip, proving its capabilities to Shell and another major operator for a high-profile job in the North Sea.

Objectives

- Prove capability of the ShallowAngle *QuickCut* casing exit system to create a window in high-tensile Q125 high-yield casing in a test well in preparation for a similar job on a high-profile well in the North Sea. Up to two months of previous runs, and consequent failures, led Shell and another major operator to call Weatherford to perform the milling operation.

Results

- Despite a late-night weekend request to perform the test, Weatherford brought equipment to the Wyoming site from four different stocking points in time to begin the operation by Tuesday.
- Weatherford personnel dispatched from Aberdeen, Scotland used the ShallowAngle *QuickCut* mill, with CustomCut™ tungsten carbide inserts, to successfully complete the window in the high-tensile-steel casing.
- Weatherford personnel from Casper, Wyoming, USA, returned at a later date to polish the window profile and extract the whipstock assembly in a single trip.

Value to Client

- Mobilization of equipment from four stocking points proved Weatherford's ability to respond consistently and rapidly to the client's requirements regardless of location.
- Modular design of the *QuickCut* system delivered functionality, simplicity, and versatility.
- The *QuickCut* mill's success in the test allowed Shell and the major operator to plan ahead for re-entry operations in the North Sea.

Clients
Shell and major operator

Location
Rocky Mountain Oilfield Testing Center, Wyoming, USA

Mainbore Casing
9 7/8-in., 66.9-lb/ft Q125 high-yield

Casing Exit Depth
887 ft (270 m)

Products/Services
- ShallowAngle *QuickCut* casing exit system
- *QuickCut* retrieval equipment
- *CustomCut* tungsten carbide inserts

Weatherford International Ltd.
515 Post Oak Blvd., Suite 600
Houston, Texas 77027 USA
Tel: 713-693-4000
www.weatherford.com

Shell
Neil Robertson
Senior Well Engineer
Neil.n.f.robertson@shell.com

Weatherford
Ron Barker
Global Product/Service Line Manager
ron.barker@weatherford.com

Real Result RR 4618.00