



Weatherford®

REAL RESULTS

CTD® Motor, Hydraulic Tubing Cutter, MacFlow™ Software Cut Tubing Near TD

Objectives

- Cut 3 1/2-in. tubing at 6,477.6 ft (1974.3 m).
- Abandon the lower zone by setting a cement retainer, and sting in to perform cementing operation.

Results

- Weatherford deployed a CTD motor and a hydraulic tubing cutter to successfully cut the pipe in 4 minutes.
- The tools were able to move freely at target depth (TD) without any sign of sticking.
- The use of *MacFlow*, a multiphase flow-modeling software package, ensured the tool operator had full control of the operation, aiding in the successful cut.
- Weatherford was able to monitor the progress of the cutting operation and illustrate the motor performance in this well.
- Weatherford set a cement retainer at the end of the tubing above the cut, effectively and successfully abandoning the lower zone.

Value to Client

- Using Weatherford's hydraulic tubing cutter and CTD motor enabled the operator to cut the tubing at TD in a single trip, minimizing the effects of the operation on the producing well and reducing overall costs.
- The *MacFlow* software provided an efficient and cost-effective method to select the correct tools.

Weatherford's hydraulic tubing cutter is designed to cut tubing, drillpipe, and other tubulars. The cutter is flow-actuated and mechanically rotated by a motor or via surface methods. An hydraulic anchor assisted with the stabilization and bottomhole assembly centralization for a quick and clean cut.



Location
Kuala Belait, Brunei

Well Type
Onshore, oil producer

Max Inclination
24° at 2,400 ft (732 m)

Depth
6,478 ft (1974 m)

Products/Services

- Thru-Tubing Intervention
- CTD positive-displacement motor
- Hydraulic tubing cutter
- *MacFlow* software

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