



# Weatherford®

## REAL RESULTS

### Hydraulic Tubing Cutter Helps to Free Drillstring Cemented Solidly in Place, Saves Well

#### Objectives

- Remove a drillstring that was completely cemented up—inside and out—after a cement job went wrong. This mishap blocked off a window through which the well was produced; so removal of the string to uncover the window was absolutely essential.

#### Results

- Weatherford recommended milling the cement out of the inside of the drillstring and then running a string shot to back off the pipe. Once given approval to proceed, Weatherford successfully milled the cement out of the 2 1/4-in. ID pipe—from 787 ft (240 m) to 2,418 ft (737 m)—with a 2 1/8-in. OD motor complete with 2 1/4-in. bear-claw bit. After pulling out of the hole, however, several attempts to back off the pipe proved unsuccessful.
- Weatherford then proposed an innovative solution: Run a 2 1/8-in. hydraulic tubing cutter dressed with inserts to cut through the 3 1/2-in. OD drillpipe before making another attempt to pull the pipe. The dressed cutter was run, worked, and retrieved; but still the pipe could not be pulled. On the second attempt, cutting time was doubled to ensure success, after which the pipe was pulled free.

#### Value to Client

- Successful retrieval of the cemented drillstring saved the well by uncovering the window through which the well was produced.



Designed to cut tubing of various grades and internal diameters, the Weatherford hydraulic tubing cutter can also be dressed with inserts to cut drillpipe, as was done on this job.



#### Location

Fahud, Oman

#### Well Type

Oil producer

#### Rig

Well Pulling Hoist 20

#### Drillpipe Size

3-1/2 in. (working inside 2 1/4-in. ID)

#### Products/Services

- Thru-tubing fishing
- Hydraulic tubing cutter
- 2 1/8-in. OD motor
- 2 1/4-in. bear-claw bit