



# Weatherford®

## REAL RESULTS

### Petroline® Heavy-Duty Wireline Fishing Services Return Well to Production, Save Costs of Workover or Redrill

#### Objectives

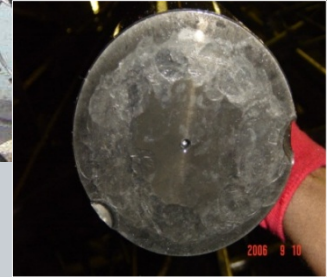
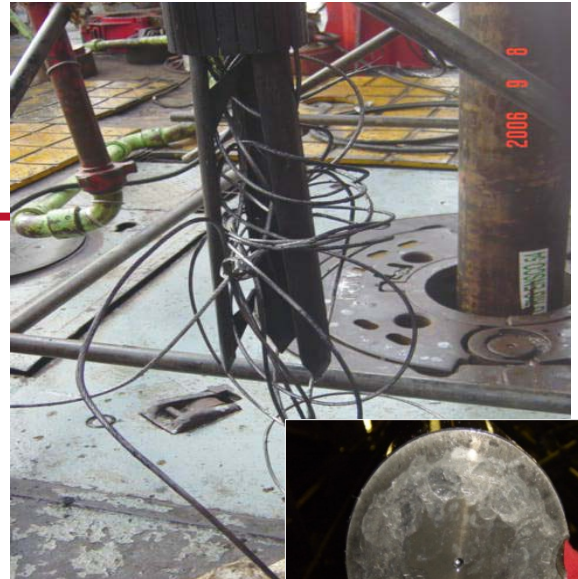
- Remove a stuck tool string and 7-in., metal-to-metal (MTM), third-party sealing plug from an offshore gas well.
- Resume well production in four zones. The well production capability was 1 MMscf/D. The operator had already lost a significant number of production days and was facing a costly workover or redrill.

#### Results

- Weatherford's *Petroline* heavy-duty wireline fishing services recovered 685 ft (209 m) of 7 3/32-in. braided cable at 11,240 ft (3,426 m) below the rotary table from a lost wireline tool string.
- At the operator's request, the stuck 7-in. MTM sealing plug was pushed below the perforations to 15,380 ft (4,688 m).
- The well was returned to production status with zero HSE incidents 10 days ahead of the operator's schedule, ending a 44-day period of lost production.

#### Value to Client

- The operator completed the fishing operation 10 days ahead of schedule and minimized nonproductive time. The 10 days of rig time were worth about US\$1.3 million.
- The operator avoided the costs associated with mobilizing coiled tubing and saved up to US\$30 million on workover and redrilling.



In one run, the Weatherford *Petroline* heavy-duty jar-down tool string pushed the stuck 7-in., MTM, third-party sealing plug 164 ft (50 m) below the lower perforations. The damage on the blind box (*right*) indicates the impact forces generated by this tool of up to 90,000 lbf.

#### Location

North field, offshore Qatar

#### Formation

Khuff

#### Well Type

Gas producer, high hydrogen sulfide (H<sub>2</sub>S) and carbon dioxide (CO<sub>2</sub>)

#### Completion

7-in. big bore

#### Wellhead Closed-in Pressure

Up to 4,097 psi (28 MPa)

#### Products/Services

*Petroline* heavy-duty wireline fishing services

Weatherford  
John Vincent  
HDWF Region Product Line Manager  
Wireline Services  
john.vincent@eu.weatherford.com