



# Weatherford®

## REAL RESULTS

### First Use in China of Latch-in Cementing Plug with Gemoco® Dual Sub-Surface Release™ Cementing Head Reduces Costs

#### Objectives

- Test and validate well architecture in appraisal wells to determine the most economical system for future development of the field within required safety margins. The cementing plug would be used to wipe through three completion nipples each while cementing more than 9,842 ft (3,000 m) of tubing in an 8 1/2-in. hole.

#### Results

- A 3 1/2-in. latch-in cementing plug with Weatherford's *Gemoco dual Sub-Surface Release* cementing head was used for the first time in China.
- The system worked as expected. The top cement plugs wiped through three nipples each and provided a clear latch-in and bump indication.
- Over 130 m<sup>3</sup> of the cement slurry was pumped through the system at 1.10 m<sup>3</sup>/min. Back pressure held, demonstrating the system's reliability and superior flow durability. The 0.5 bbl shoetrack volume left no margin for error in bumping the plug and further demonstrated the plug's reliability.

#### Value to Client

- The use of Weatherford's latch-in cementing system and *Gemoco Sub-Surface Release* cementing head enabled the wells to be cemented successfully, eliminating the expense of a 9,842 ft (3,000 m) liner-hanger system and validating the use of tubingless architecture.
- Additional savings in rig time and personnel costs were achieved because only one completion string was required rather than the two strings that are typically necessary with other methods.



Weatherford's latch-in cementing plug with *Gemoco dual Sub-Surface Release* cementing head was successfully used in two wells to eliminate the expense of a 9,842 ft (3,000 m) liner-hanger system.

#### Location

Onshore, Sulige Field, Zhuhe, China

#### Well Type

Appraisal

#### Hole Size and Angle

8 1/2-in., vertical

#### Completion String

3 1/2-in., 9.3-lb, N80, T-3SB connection

#### Products/Services

- 3 1/2-in. latch-in cementing plug with dual bottom/triple top
- *Gemoco dual Sub-Surface Release* cementing head