



Weatherford®

REAL RESULTS

SwageSet Liner-Top Packer Provides Operator Reliable Liner-Top Isolation, Enables Production Zone to be Drilled

Objectives

- Efficiently reach total depth and cement the liner.
- Form a reliable seal between the liner OD and the host-casing ID.

Results

- Weatherford personnel ran a 7 5/8-in. liner in an 8 1/2-in. open hole to a total depth of 11,283 ft (3439 m). The liner was rotated at 10 RPMs with good returns.
- The Mk5 SWP plug with integral ball seat was utilized to maintain fluid separation and provide a pressure-tight chamber to hydraulically set the liner hanger at a depth of 6,850 ft (2088 m). The running tools were released prior to cementing.
- Liner rotation continued at 10 RPMs before and during the cement job.
- The running tool packer actuator was lowered above the WPBR to mechanically set the SwageSet packer with one clear indication around 60 KLBS. The packer provided a pressure-tight liner string that was pressure-tested to 5,000 psi.

Value to Client

- The Weatherford WPBR, SwageSet packer, and premium hydraulic-set rotating (WPHR) liner hanger were run to TD without incurring nonproductive time (NPT).
- The cement job was a success with isolation from the liner-top to the shoe, enabling the production zone to be drilled and completed without losses.
- The SwageSet packer was run, installed, and pressure-tested with no environmental or safety incidents, proving the reliability of the SwageSet packer technology.



The Weatherford SwageSet liner-top packer provided a high-integrity seal between the annulus of the liner OD and the host casing ID, to prevent gas migration and flow while the cement set in an onshore well in Iraq. The successful installation of the Weatherford liner system products and services proved to be a reliable solution for a major oil and gas provider.

Location

Erbil, Iraq

Well Type

Oil and gas exploration

Casing Type and Size

9 7/8-in., 62.6 lb/ft, T-95 Hydril SLX

Liner Type and Size

7 5/8-in., 55.3 lb/ft, T-95 Hydril MAC-11

Products/Services

- WPBR tieback
- SwageSet liner-top packer
- WPHR liner hanger
- WLCS landing collar
- Mk5 SWP wiper plug
- Drillpipe dart

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