

Liner Systems Deliver Increased Efficiency and Time Savings in Flawless Installation in 4 Wells for ADNOC Onshore

Objectives

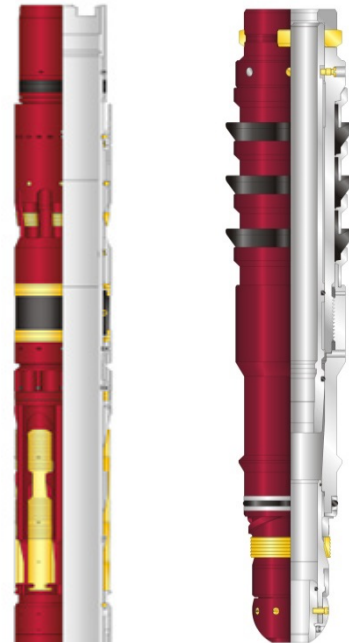
- Run and cement 7-in., 29-lb/ft liner strings to total depth (TD) in four wells without incurring nonproductive time (NPT).
- Expedite the process of making up and running the liner hanger system, then drilling out float equipment.

Our Approach

- Weatherford liner experts met with ADNOC Onshore engineers to review liner options for four upcoming wells. The operator wanted to reduce the time required to run the liner hanger and to drill the shoe.
- The operator's focus on operational enhancement and risk mitigation led the Weatherford team to propose the recently launched Xpress liner hanger and packer system.
- The ADNOC Onshore engineers also wanted to evaluate an integrated float collar and landing seat with a single-wiper plug and drillpipe dart. They opted to run the integrated float collar and landing seat in two wells.
- The Weatherford team ran the Xpress liner hanger and packer system in two of the wells, and ran the integrated float collar and landing seat in the other two wells.

Value to Customer

- During the course of two successful Xpress system installations, the operator saw increases pre-job preparation efficiency.
- The Xpress system design eliminated the connection between the hanger and packer for enhanced system integrity and reduced operational risk.
- The integrated float collar and landing seat with single-wiper plug and drillpipe dart delivered a reduction in connection makeup per shoe track. These installations also achieved a 3-hour reduction in shoe track drill out time. Operational efficiency increased by eliminating the need for a separate landing collar sub, which removed any possibility of failure by that component.



The Xpress system (left) and WSWP single-wiper plug (right) were installed in two wells each to improve liner system makeup and run-in times.

OPERATOR
ADNOC Onshore

LOCATION
Abu Dhabi, United Arab Emirates

WELL TYPE
Onshore, oil producer

CASING SIZE
9-5/8-in., 47lb/ft

HOLE SIZE
8 1/2-in.

LINER SIZE AND TYPE
7-in., 29 lb/ft L-80

PRODUCTS/SERVICES
Xpress system installation

- 10-ft polished bore receptacle (PBR)
- Xpress liner hanger and packer system
- Landing collar
- Float equipment
- WSWP single-wiper plug
- WDSL drillpipe dart
- 1 3/4-in. aluminum setting ball

Integrated float collar and landing seat installation

- 10-ft PBR
- TSP5 liner top packer
- WPHR liner hanger
- Integrated float collar and landing seat
- WSWP single-wiper plug
- WDSL drillpipe dart
- 1 3/4-in. aluminum setting ball

