

Liner Systems Deliver Increased Efficiency and Time Savings in Flawless Installation in 2 Wells

Objectives

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

Our Approach

- Weatherford liner experts met with the customer to review liner options for an upcoming drilling campaign. The operator wanted to reduce the liner hanger lead time and complete the process within a shorter timeframe.
- The operator's focus on operational enhancement and risk mitigation led the Weatherford team to propose the Xpress liner hanger and packer system.
- They also proposed running an integrated float collar and landing seat with a single-wiper plug and drillpipe dart.
- The Weatherford team deployed to the wellsite and ran the Xpress liner hanger and packer system, along with the integrated float collar and landing seat.

Value to Customer

- During the course of two successful Xpress system installations, the operator saw significant increases in pre-job preparation efficiency.
- The Xpress system design eliminated the connection between the hanger and packer to enhance system integrity and reduce 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 the possibility of failure by that component.



The Xpress system was installed in two wells to improve liner system makeup and run-in times.

LOCATION

Southeast Iraq

FIELD

West Qurna

WELL TYPE

Onshore, oil producer

CASING SIZE

9-5/8-in., 47lb/ft, L80 BTC

HOLE SIZE

8 1/2 in.

LINER SIZE AND TYPE

7-in., 29 lb/ft L-80 VAM TOP®

WELL 1 TOTAL DEPTH AND DEVIATION

MD: 10,130 ft (3,087 m) MD
TVD: 8,415 ft (2,565 m) TVD
Maximum Inclination: 35.7°

WELL 2 TOTAL DEPTH AND DEVIATION

MD: 9,185 ft (2,800 m)
TVD: 8,450 ft (2,575 m)
Maximum Inclination: 35°

PRODUCTS/SERVICES

Xpress liner hanger and packer system
WPBR polished bore receptacle (PBR)
WLFC landing/float collar
Float shoe
WSWP single-wiper plug
WDSL drillpipe dart
Aluminum setting ball



*VAM TOP® is a Registered Trademark of Vallourec Oil and Gas France.