

WRSM Retrievable Cementing Packoff Delivers High-Pressure Performance, Saves Half Day of Rig Time

Objectives

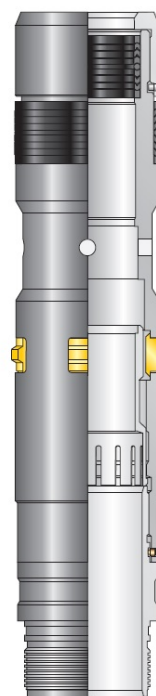
- Ensure proper circulation of mud and cement through the bottom of the liner by forming a reliable seal between the liner-hanger running tool and the liner string.
- Eliminate the requirement for further drillout by using a retrievable cementing packoff, and minimize the forces affecting the running-tool string during packoff recovery.

Our Approach

- The Weatherford team deployed the 7-in. WRSM retrievable cementing packoff to form a seal that can hold pressures for setting in liner-hanger operations.
- The new design of the collet mechanism on the WRSM facilitated the assembly and installation processes.
- The engineered seal stacks held pressures up to 10,000 psi (68.9 MPa), which verified the success of the packoff run.
- The team retrieved the packoff using the optimal force within design limitations.
- The client achieved the required performance in the field.

Value to Client

- The WRSM provided a reliable high-pressure seal that enhanced client certainty and confidence in the operations.
- Using the WRSM eliminated the need to drill out a nonretrievable packoff, which reduced rig time by 10 to 12 hours.



The WRSM retrievable cementing packoff provides a reliable liner-top seal between the running string OD and the liner ID for circulation and cementing jobs.

LOCATION

Oman

WELL TYPE

Onshore, oil

NUMBER OF WELLS

4

WELL DEPTH

7,100 to 7,500 ft (2,164 to 2,286 m)

PRODUCTS/SERVICES

7-in. WRSM

