Case Study

FRANK'S INTERNATIONAL

Frank's International Cast Iron Cement Retainer Successfully Deployed in High Temperature Environment

OBJECTIVE

An operator in Mexico was experiencing issues successfully placing a balanced cement plug across a 5-7/8" open hole and a 7" liner shoe due to challenging well conditions.

SOLUTION

Frank's recommended the use of the High Temperature 7" Cast Iron Cement Retainer, which was successfully run to depth and mechanically set at 7,680 meters (25,196 feet) and a bottom hole temperature of 170°C (338°F). The Cast Iron Cement Retainer was tested to 2,500 psi and with the mechanical barrier in place, the operator was able to successfully place a cement plug in the wellbore to abandon that section of the well.

RESULTS

The use of the 7" Cast Iron Cement Retainer reduced the rig time associated with placing a barrier in the challenging wellbore by successfully setting the barrier on the first attempt. The efficient installation of a barrier allowed the operator to achieve a successful cement plug during the next attempt, saving the operator from possibly having to attempt multiple cement jobs and the costs associated with those operations.

BENEFITS

- Barrier set on first attempt
- Cement plug achieved on first attempt
- Cast Iron Cement Retainer rated up to 10,000 psi at 400°F

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