

Operator Reduces Rig Time by 10 Hours

TAPERED CEMENTING PLUG SAVES AN ESTIMATED USD 204,000, OUTPERFORMS COMPETITION

OMAN

CHALLENGES

Helps reduce rig time and extra services on the wellsite while minimizing health, safety and environment (HSE)/service quality (SQ) exposure

- » Eliminate the extra rig time/cost required to use washpipe in tapered liner jobs
- » Avoid rental costs for washpipe-handling equipment

SOLUTION

- » Tapered cementing plug that removes the need for washpipe and its associated running equipment on the rig
- » Helps eliminate possible risks of fishing washpipe

RESULT

- » Tapered plug solution saved 10 hours of rig time, equivalent to USD 17,000 per job
- » The successfully deployed tapered cementing plug eliminated equipment rental cost for washpipe handling



OVERVIEW

A major operator in Oman needed a tapered cementing plug for a 9 7/8 x 7 x 4 1/2-inch liner operation. When competitor systems failed, the operator was required to perform a standard cement job with a single size wiper plug deployed on washpipe into the 4 1/2-inch section of the tapered liner. This incurred additional rig time and equipment costs to run the plug.

CHALLENGE

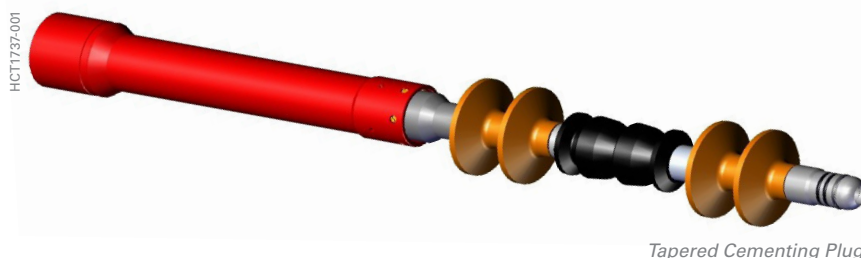
Cementing a tapered liner operation requires combination plugs used to separate wellbore fluids, displacement fluids, and cement when running multiple sizes or weights of casing in a single string. Using these plugs allows for cementing of tapered casing strings while helping ensure efficient removal from the casing ID. The operator wanted an option that did not require washpipe and associated handling equipment.

SOLUTION

Halliburton engineered a tapered plug design eliminating washpipe and saving the operator rig time and equipment rental costs. Additionally, Halliburton utilized the VersaFlex® expandable liner hanger system, which applies initial pressure on the plug bump to activate the setting process.

RESULT

The tapered cementing plug successfully displaced expected volumes through multiple casing strings. This eliminated the need to run washpipe, saving an estimated USD 204,000 on the overall project. The operator regained confidence in tapered plug systems and plans to use the Halliburton solution on future wells.



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