

InvictaSet cement system successfully deployed in 7 in. liner resulting in long-term isolation

CHALLENGES

- The customer required a slurry that could provide long term zonal isolation in a 7 in. liner
- The section was drilled in a 100% water environment, and the customer had previous experiences of water influx and channeling through set cement
- The bottom hole static temperature (BHST) was 178°F and the maximum deviation was 90°
- Additionally, there were losses of 2-3 BHP prior to the job and the well was caving

SOLUTION

Baker Hughes recommended the [InvictaSet™ self-regenerating cement system](#) for its ability to:

- Regenerate itself when in contact with hydrocarbon or water
- Withstand demanding operational parameters
- React and reseal for effective zonal isolation through multiple damage cycles

A train spacer was also used to enhance cleaning efficiency along with 100bbl of low rheology mud

RESULTS

- Achieved no losses during the cementing job
- Performed variable density log and cement bond log evaluation and showed good bond at the zone of interest
- Eliminated the need for remedial operations

“We are impressed with the new InvictaSet system - offering long-term isolation and enhanced well integrity.

- Drilling & Workover Engineer, KOC



Maintain long-term zonal isolation with a cement system that repairs itself.