

Gulf of America

Halliburton retrievable tools save operator USD 750,000

Engineered single-trip completion solution reduces time and cost

CHALLENGE

- Provide single-trip solution to get bridge plug
- to depth and perform negative test
- Decrease costs through reduced rig time

SOLUTION

- Combination solution comprised of RTTS® packer, Model 2 circulating valve, BP hydraulic setting tool, and EZ Drill® bridge plug

RESULT

- Successfully performed negative test in single run
- Avoided extra trip downhole, which saved the operator USD 750,000

Overview

A major operator in the Gulf of America needed a time-saving solution to isolate a deepwater well and perform a routine negative test. To provide a single-trip solution, Halliburton recommended a bottomhole assembly (BHA) combination, which included an RTTS® packer, Model 2 circulating valve, BP hydraulic setting tool, and EZ Drill® bridge plug. This solution allowed the BHA to be run successfully, which eliminated an extra trip downhole and saved the operator an estimated USD 750,000.

Challenge

This operator routinely requires two trips downhole to isolate the well and conduct a negative test. The first trip is to set and test a drillable bridge plug, followed by a second trip with the service packer to perform a negative test. The purpose of the negative test is to determine the integrity of the wellbore (including the casing, liner, and bridge plug) and identify any issues that could cause an influx to the well when a lightweight fluid is pumped. The operator asked Halliburton to provide an efficient, single-trip solution as an alternative.

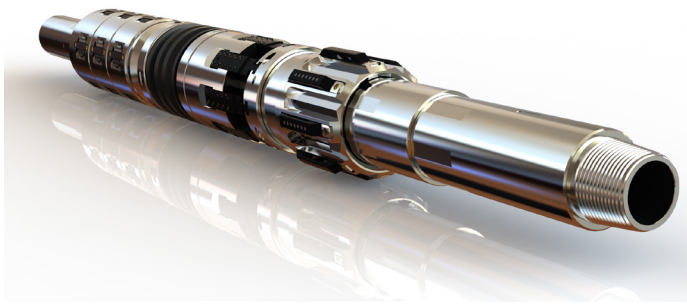


BP hydraulic setting tool

Model 2 circulating valve

Solution

Halliburton recommended a solution that included an RTTS® packer, Model 2 circulating valve, BP hydraulic setting tool, and EZ Drill® bridge plug. Although these tools are not considered new technology, the uniqueness of this solution was an added feature to the BP hydraulic setting tool—a reverse circulating lockout feature to help ensure the setting piston does not shift to the closed position during reverse circulation operations. The potential for the shift to the closed position was considered high risk by the operations team; thus, the upgrade was implemented to help eliminate the risk.



RTTS® packer



EZ Drill® bridge plug

Result

In a single trip, Halliburton successfully installed a bridge plug and conducted a successful negative test. The RTTS packer, Model 2 circulating valve, BP hydraulic setting tool, and EZ Drill bridge plug were used to isolate the well and conduct the negative test. The eliminated run reduced the total operating hours and decreased operational risks, which saved the operator approximately USD 750,000. The operator is currently in collaboration with Halliburton on future wells where this technology can be implemented.

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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