

Papua New Guinea

ZoneGuard® HE packer helps reduce NPT for operator

Successful installation in difficult application saves days of lost time

CHALLENGE

An operator performing an injectivity test encountered difficulty in setting a competitor's PIP.

- Variability in the openhole size resulted in three unsuccessful attempts to set the packer

SOLUTION

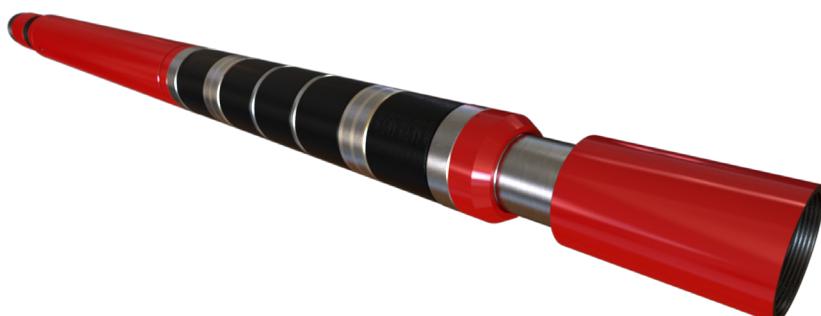
Halliburton proposed its ZoneGuard® HE packer.

- Features high-expansion sealing element
- Ideal when large variations in hole-gauge diameter are anticipated

RESULT

The ZoneGuard HE packer was successfully set.

- Reliable zonal isolation established
- Operator able to perform injectivity test without any additional NPT



ZoneGuard® HE packer

Overview

A major operator in Asia Pacific was attempting to run a production injectivity packer (PIP) prior to conducting an injectivity test. After three unsuccessful attempts using another service company's packer, the operator asked Halliburton for a solution. Halliburton proposed its ZoneGuard® HE high-expansion packer. Because of the urgency of the request, Halliburton had less than 24 hours to prepare and mobilize the packer to the customer's rigsite. The packer was successfully set and held pressure for the duration of the injectivity program. The Halliburton solution saved the operator seven days waiting for another packer from the competitor, and the operation was performed without incurring non-productive time (NPT).

Challenge

To obtain sufficient reservoir data in an aquifer, an operator in Papua New Guinea planned an injectivity test into the water leg to enable reservoir characterization and achieve better understanding of the aquifer's activity. While preparing the well for the test, the operator began to experience issues with the PIP that had been selected for the project. The variability in the openhole size resulted in three unsuccessful attempts to set the packer.

Solution

Halliburton proposed using the ZoneGuard® HE isolation packer, which is designed for situations where a high-expansion sealing element is required and when large variations in hole-gauge diameter are anticipated. Because of the PIP setting delays, the ZoneGuard packer needed to be quickly mobilized to the rigsite to minimize further downtime. Additionally, Halliburton conducted an immediate global Critical Well Review to evaluate the technical and operations challenges and minimize possible risk.

Result

Although the team encountered a tight spot during the operation, the ZoneGuard HE packer was successfully set and provided a competent, reliable seal for zonal isolation. The operator was able to perform injectivity operations without further NPT. The quick delivery, global collaboration and solid isolation provided by the ZoneGuard HE packer allowed the operator to overcome the challenges and maximize asset value, and as a result, the operator plans to use ZoneGuard HE packers for all future operations.



Saved operator

7 Days

and no NPT

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