

CleanWell® Tools Enable Complex Wellbore Cleanout in a Single-Trip and Save Operator Time and Costs

TURBO TECH® II VALVE AND INFLOW TECH® PACKER WITH SCM INCREASE NEW TECHNOLOGY FOOTPRINT IN MALAYSIA

SOUTHEAST ASIA

CHALLENGES

- » Perform single-trip wellbore cleanout and negative test on the liner
- » Reduce trips in the well to save time and cost

SOLUTIONS

- » Inflow Tech® packer and Turbo Tech® II valve in the main string to achieve run objectives in a single trip
- » Inflow Tech packer with SCM, to perform a negative test and displacement
- » Turbo Tech II circulation sub to allow for high-rate circulation without waiting on balls/darts to land

RESULTS

- » Multiple objectives completed in a single trip saved customer significant time and costs
- » Negative test performed on the wellbore
- » Two compression-set tools run and functioned in the same string successfully

OVERVIEW

A major operator in SE Asia faced a complex wellbore cleanout requirement with no previous run history at the location. To achieve customer objectives, the operator required a string design that allowed for a negative test, cleanup, and displacement all in a single trip. After collaborating with the global team, Halliburton identified a field-proven, reliable solution from the CleanWell® portfolio of tools. This integrated solution enabled a negative test of the liner top, full displacement from drilling to completion fluid, and high-rate circulation and filtration to the required specification, without dropping activation balls or darts and all within a single trip.

CHALLENGE

Meeting the customer's objectives for the wellbore cleanout and well displacement phase proved challenging. Specifically, the operator required a single-trip operation to achieve an isolated negative inflow test on the downhole liner tops, displace the well to completion fluid, and filter to the required specifications.



SINGLE-TRIP operation achieved the objectives, **SAVING** the customer **TIME** and **COSTS** (NTU < 50 or TSS 0.05%)

SOLUTIONS

Based on our extensive track record in performing similar operations, the customer selected the Halliburton CleanWell solution. To accomplish the well objectives in a single trip, Halliburton integrated the Turbo Tech® II multi-activation bypass valve and the Inflow Tech® high-performance negative test packer with setting control module (SCM) into the wellbore cleanup string. This approach maximizes the efficiency of two industry-proven compression-set tools, which saves the customer significant time and costs.



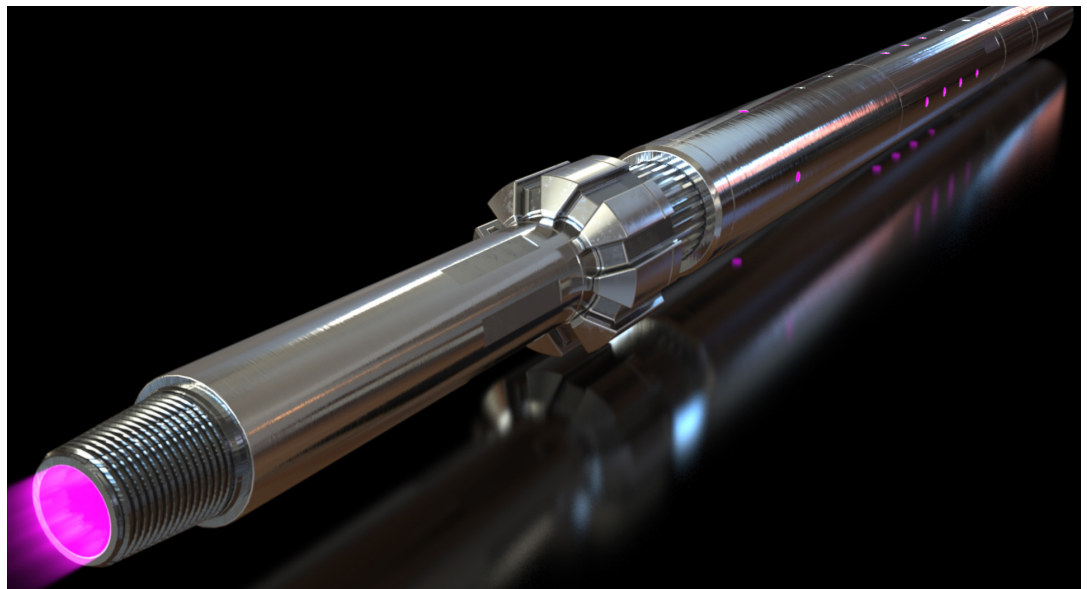
Inflow Tech® Test Packer with Setting Control Module

HAL124193

RESULTS

Prejob planning played a key role in the successful job execution, which involved communications not only between the global and country operations personnel but also with personnel from other locations who performed similar tasks. Drawing upon their experience was helpful in ensuring a safe and successful operation. Additionally, Halliburton mobilized local personnel to Norway to gain vital job planning and shop training ahead of the operations.

Through effective collaboration both internally and with our customer, successfully introduced new technologies, achieved the customer's well objectives, provided essential training to HCT personnel and utilized existing global assets. Moreover, our team of engineers designed and implemented tailored solutions that met the specific needs of our customer.



Turbo Tech® II Multi-Activation Bypass Valve

HCT179-082-002

www.halliburton.com

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