

CleanWell® Systems Save Seven Hours of Rig Time

EXTENSIVE EXPERIENCE IN DEEPWATER MAKES HALLIBURTON THE RIGHT CHOICE

PHILIPPINES, ASIA PACIFIC

CHALLENGES

An operator in the Philippines planned to batch complete two subsea deepwater wells.

- » Multiple rig and workstring changes
- » Difficult well design

SOLUTIONS

Halliburton performed a single-trip cleanout solution.

- » Vali Tech® downhole mechanical filter
- » Mag Tech® casing magnet

RESULTS

The operator considered this single-trip drill out and displacement a complete success.

- » 41 kg removed from well #1
- » 44 kg removed from well #2 and saved seven hours of rig time

OVERVIEW

An operator in the Philippines planned to batch complete two subsea deepwater wells. Multiple rig and workstring challenges, coupled with a difficult well design meant that this operation needed to be handled by a service company who has years of proven experience in this arena.

Halliburton CleanWell® technology tools were run downhole in a single-trip on the first well and were able to remove 41 kg of debris. On the second well, they recovered 44 kg of debris and shaved off seven hours of rig time.

CHALLENGES

Due to the well design and remote location of the rig site, every contingency needed to be considered. Some of the challenges to overcome along the way included multiple rig and workstring changes; this required global effort to help ensure a robust mobilization and logistics plan was in place for equipment and personnel.



HAL113014

Well #1 13 5/8-in. Mag Tech® casing magnet with 25.03 kg of fine metal shavings



HAL113013

Well #2 Riser Mag Tech® riser magnet with 14.23 kg of fine metal shavings

SOLUTIONS

Based on extensive experience in similar deepwater environments, Halliburton was selected to perform a single-trip cleanout and subsequent wear-bushing retrieval run. Halliburton recommended CleanWell system technology including the Vali Tech® downhole mechanical filter, which provides a mechanical alternative for collecting solid contaminates remaining in vertical or deviated wellbores. The robust Mag Tech® casing magnet was also recommended due to its industry leading strength and standoff allowing for high debris retention in a drillable system.

“Shaved off seven hours of rig time”

RESULTS

Tools and personnel were mobilized to the Philippines. The team began the displacement for the first well, followed by the wear-bushing retrieval runs. From these two runs a total of 41kg of debris was captured and returned to surface by the Vali Tech filter and Mag Tech casing magnet. The operator's rigsite and onshore-based personnel considered this single-trip drillout and displacement a complete success.

Over several days of drilling and running a 7-in. liner on the second well, the Halliburton wellbore cleaning team on the rig, identified a few “lessons learned” that optimized the second well's cleanout and shaved off seven hours of rig time. Debris recovery on the second well displacement came to more than 44 kg; much of it being fine ferrous material that can be found in wells with multiple casing sizes and extended drilling periods.

www.halliburton.com

Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.

H010792 4/17 © 2017 Halliburton. All Rights Reserved.