**CASE HISTORY**

Wireline-set Versa-Trieve® VTA packer saves customer 264 hours in rig time

Location: Offshore Bohai Sea, China

**CHALLENGE** – China National Offshore Oil Corp. (CNOOC) China Ltd. Tianjin (CCLT) needed to complete eight wells, which required isolation of production zones in 7-in. casing. The client wanted a hanger type packer that would be easy to deploy and retrieve as well as offer a more efficient method of connecting with the setting tool at the site. Ideally the packer would help minimize time-to-completion of each well for this project located in offshore Bohai Sea.

In addition, a 5000 psi rated multi-feed through packer was needed to handle the pressure requirements as well as the cable and production flow needs.

**SOLUTION** – Halliburton first proposed the wireline-set Versa-Trieve® VTA zonal isolation packer, which saves rig time by allowing the full setting force to be applied to the elements and slips during setting operations. With its 3.88-in seal bore, the VTA packer can be easily retrieved by straight overpull with a 3.88-in. VRA retrieving tool.

Halliburton also proposed a RDH hydraulic-set packer instead of a traditional ESP packer in order to meet the pressure requirements of the operation. The RDH packer has a 7500 psi pressure rating and uses secondary tubing passage for cable bypass.

**RESULT** – The lower completions were deployed with multiple wireline-set Versa-Trieve VTA packers. Perforation and packer setting with wireline in a single trip helped to significantly reduce the completion rig time. The replacement of traditional ESP packers with RDH packers was the first of its kind for a CCLT completion installation, and performance exceeded the customer’s expectations. To increase the efficiency of the operation, a muleshoe guide was manufactured to guide the VTA packer when running in hole (RIH) with wireline.

Having three 3.88-in. wireline adaptors on site made it possible for the VTA packers and adaptors to be connected in advance. This time-saving approach helped ensure that while one packer was running in hole, the other served as a backup, and the third wireline adaptor could be redressed.

Halliburton successfully installed eight wells within 41 days, including 10 RDH packers and 21 VTA packers installed by wireline, saving 264 hours of rig-time.

For more information on Wireline-Set Versa-Trieve® VTA Packers, please call your local Halliburton representative or email us at completions@halliburton.com.

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