

TOTAL Exploration and Production Indonesia breaks the record with the shortest ESTMZ™ system installation time Indonesia

CHALLENGE – For TOTAL Exploration and Production Indonesia, keeping gas production at a high level was the number one priority, so trying a new system that had not yet been field proven to them was a risky undertaking. After months of working with TOTAL E&P Indonesia's reservoir, business development, and management teams, Halliburton personnel were able to prove the value and benefit – and low risk – the ESTMZ™ (Enhanced Single-Trip Multizone) system can provide their well.

However, during installation, two complications arose that could have slowed down the completion time. First, the system stopped moving downhole and then later in the completion, after beginning the treating process, a slip die was dropped in the well.

SOLUTION – Prior to the installation TOTAL E&P Indonesia and Halliburton participated in a Critical Well Review (CWR) to ensure all of the processes and preparations had been reviewed and agreed to. This included several presentations and complete well on paper (CWOP) documents to prove our technology capabilities. Based on the conditions of the well, Halliburton prepared a completion design to match the given well parameters.

The ESTMZ system was delivered to the customer's location on time and as designed. When the tools stopped moving downhole, Halliburton personnel advised the customer to pull the system to surface to inspect the packers. Upon inspecting the uppermost packer, the system was free to move and deemed fit-to-run back into the well, which was done successfully. After the slip die was dropped, Halliburton personnel advised the customer to pull the uppermost portion of the service string to the surface to recover, or bypass, the slip die. The slip die fell past the service tools and the job proceeded as planned.

RESULT – The well was completed in three zones with high-rate water packs in four days, and was drilled and completed in two and a half weeks. All three zones were successfully treated as designed. **These records make this the shortest ESTMZ system installation.**

"We appreciate the level of competency from both the Halliburton and TOTAL E&P Indonesia offshore teams," said Christian Labeyrie, Head of Service Completion Operation for TOTAL E&P Indonesia. "This first ESTMZ system run was not easy, and we faced some unexpected situations; however, the team reacted very well and always made the right decisions."

