

Central North Sea

Flexibility, reliability, and availability of wellbore service tools helps operator quickly secure well after operations suspended

RTTS® packer and subsurface control valve provides isolation barrier for long-term well suspension, and maintains integrity for 574 days

CHALLENGE

Retrievable mechanical isolation barrier to provide:

- Immediate well suspension
- Long-term isolation in more than one year

SOLUTION

- RTTS® packer and SSC valve to provide isolation barrier during temporary well suspension

RESULT

- Successful set and retrieval of RTTS packer and SSC valve with zero issues or NPT
- Downhole barrier with continued integrity for 574 days

Overview

During an ongoing abandonment campaign, COVID-19 restrictions led to the sudden suspension of operations, with no known date of return. As a result, the operator needed to immediately suspend and secure the well using a mechanical barrier.

As part of the operation contingency plan, Halliburton provided RTTS® packers and subsurface control (SSC) valves to address various situations that might occur during well abandonment. The RTTS packer and SSC valve combination was safely installed and tested, provided a reliable downhole barrier, and maintained well integrity for 574 days.

When operations resumed, Halliburton recovered the RTTS packer and SSC valve successfully with zero issues or nonproductive time (NPT).



RTTS® packer and SSC valve safely provide long-term well suspension barrier for **574** days



Challenge

Because of the impact of the COVID-19 global pandemic and the additional risk to personnel and project health, safety, and environment (HSE), the operator decided to discontinue operations and temporarily suspend the well until work could safely resume. Looming travel restrictions and border lockdowns necessitated expedient equipment deployment and barrier installation to ensure well suspension within the narrow time frame.



Solution

The Halliburton 9 5/8-in. RTTS® packer run with an SSC valve provides an industry-proven, reliable isolation barrier. Stored onboard the rig as a contingency, the tools can be quickly deployed, installed, and tested to maximize efficiency and secure the well.

Result

Halliburton set and retrieved the tools with zero issues or NPT. The RTTS packer and SSC valve combination delivered a reliable, retrievable mechanical isolation

barrier and maintained integrity during the entire 574-day suspension period. When abandonment operations resumed, a Halliburton service specialist recovered the tools on the first attempt.

Adaptable for use in various applications, as and when necessary, this tool combination provided a versatile solution, and minimized the equipment onboard, to



ZERO

issues or NPT



574

days of continued
integrity of
downhole barrier



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