

RapidStart® Initiator Sleeves Open Successfully After 10 Months in the Well

HOW MUCH IS YOUR TIME AND INVESTMENT WORTH TO YOU?

PERMIAN BASIN, MIDLAND, TX

CHALLENGES

An operator needed a pressure-activated toe sleeve that would hold up downhole for an extended period of time.

- » Casing integrity test prior to opening the sleeve
- » Establishing a flow path from the casing ID to the formation without intervention

SOLUTION

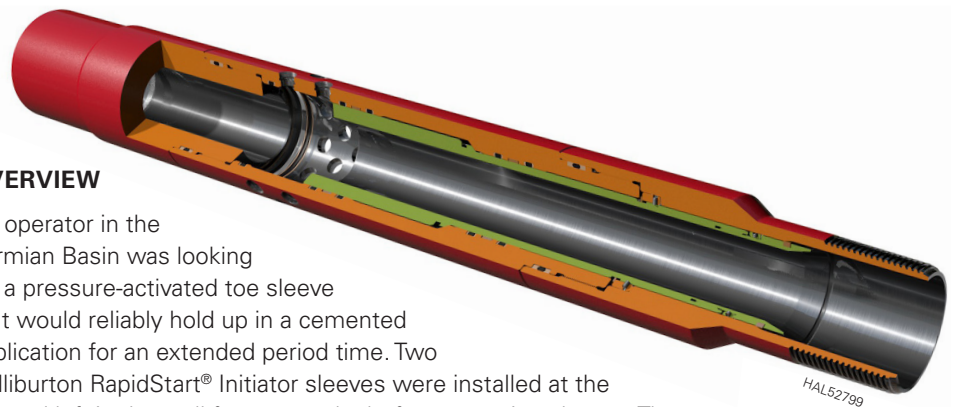
Halliburton proposed two RapidStart® Initiator sleeves, designed for selective multistage frac and plug-and-perf operations.

- » Interventionless mean of establishing the initial flow path

RESULTS

Ten months after installation, RapidStart Initiator sleeves provided the initial access to the formation.

- » Tools were prebucked locally, saving time and money
- » Offered successful casing pressure test



OVERVIEW

An operator in the Permian Basin was looking for a pressure-activated toe sleeve that would reliably hold up in a cemented application for an extended period time. Two Halliburton RapidStart® Initiator sleeves were installed at the toe and left in the well for 10 months before operations began. The operator was able to successfully pressure test the casing and open the sleeves, despite the extended time that had elapsed since installation.

CHALLENGE

An operator working out of Midland, Texas, needed a reliable pressure-operated toe sleeve that could run in a cemented long-string horizontal application. To ensure well integrity, they wanted to perform a casing test prior to opening the sleeve. From there they would establish a flow path from the casing ID to the formation, allowing them to pump the first stage of the frac job, then pump down the frac plug and perforating guns for the second stage. They knew the toe sleeve was going to stay in the hole for an extended period of time before attempting the casing test or opening the sleeve, so finding a reliable, field-proven solution was of extreme importance.

SOLUTION

The operator ran two Halliburton RapidStart Initiator sleeves, designed for selective multistage frac and plug-and-perf operations. These sleeves helped eliminate the need for tripping in the hole with coiled tubing and tubing conveyed perforating guns, or tractor conveyed wireline perforation guns. RapidStart Initiator sleeves provided an interventionless means of establishing an initial flow path from the casing ID to the formation. Prior to running in the hole, the sleeves were pinned according to the operator's requirements. By applying absolute pressure in the casing ID that exceeded the predetermined shear pin value, the sleeves successfully opened. Halliburton cement wiper plugs and micro matrix cement retarder chemicals were used as part of the displacement to keep any remaining cement sheath from setting inside the sleeve.



RESULT

The sleeves and casing joints were prebucked at the local Halliburton tool shop and delivered on location, saving the customer valuable rig time. Both of the RapidStart Initiator sleeves were successfully installed at the toe of the wellbore and cemented with the production casing in October. In July, 10 months after the installation, the operator pressure-tested the casing and successfully opened the RapidStart Initiator sleeves.

Time is valuable to operators trying to lower their cost per BOE. Whether it's reducing time onsite or providing extended reliability, Halliburton has the right solution.

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.

H012331 9/16 © 2016 Halliburton. All Rights Reserved.