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

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

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

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

HOW MUCH IS YOUR TIME AND INVESTMENT WORTH TO YOU?

PERMIAN BASIN, MIDLAND, TX

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