Halliburton SurePlug Process™ Service

Reduces the Cost of Setting Kickoff Plugs By As Much As 30%

Plus, an optional warranty guarantees a successful plug on the first attempt.

The Halliburton SurePlug Process™ service is a major advance in plugging technology. In fact, the process is patented. To date, the Halliburton SurePlug Process has been used to successfully set kickoff plugs on the first attempt in a variety of well conditions ranging from 1,500 ft to over 15,000 ft. Wellbore orientation has ranged from vertical to horizontal. Hole diameters have been from 6 in. to elliptical washouts over 3 ft.

Setting kickoff plugs is the most frequent source of cementing problems.

In fact, conventional procedures require, on the average, 2.4 attempts to achieve a successful plug. This translates, in most cases, to over four days of rig time and extensive associated costs.

The Halliburton SurePlug Process service consists of methods to enhance hole cleaning, job design, materials selection, and job operations. It is a premium service available from no other service company.

What makes this process so sure?

First, Halliburton has captured and applied the best practices from literally thousands of
kickoff plug jobs from around the world. Second, Halliburton invested in a major research program using full-scale models of various size wells to study a wide variety of conditions. These results were then translated into a process that works the first time, every time.

Halliburton's studies revealed that the primary causes of kickoff failure were a combination of the following:

- poor mud removal
- unstable cement slurries
- insufficient cement slurry volume
- poor coordination
- impatience
- poor job execution

These factors often result in a plug that returns hard cuttings but drills soft and will not provide the strength required to kickoff, or a plug that will not maintain the necessary position because of poor bonding. The Halliburton SurePlug Process addresses and optimizes each of these areas.

The Halliburton SurePlug Process service guarantee can bring real peace of mind.

The process is all inclusive and includes the following items:
• Halliburton SurePlug Process design including operational design, materials selection, and testing as needed.
• All time on location for pumping and bulk equipment, and the time required to condition the well to the specifications needed for a successful kickoff plug.
• Halliburton SurePlug Process first-in-the-industry guarantee that includes any additional pumping services and materials needed to set additional plugs should the first plug fail. (Failure is defined as not being able to kickoff the cement plug due to the plug being too soft or not in the agreed-upon location.)

The Halliburton SurePlug Process is equally applicable to plug and abandon operations. These plugging operations are becoming more critical as regulatory and environmental requirements become more stringent.

For more information about how the Halliburton SurePlug Process service can help cut your kickoff plug costs, contact your local Halliburton representative—your Solution ConnectionSM.