MPC: Smart no-go

Ultra-precise depth positioning system

Applications

- Cut to release packer cuts in well intervention and plug and abandonment operations

Features and Benefits

- Ensures reliable depth positioning system for tight cut windows
- Utilizes industry leading electro-mechanical cutting technology
- Achieves reliable and precise cuts without the use of ballistics or hazardous chemicals

Electro-mechanical cutting of downhole equipment is commonly correlated using a Casing Collar locator (CCL) or Gamma-ray (GR). These methods have proven successful across many regions of the world for decades.

During well intervention and plug and abandonment operations, various downhole cut-to-release packers require the cut to be made within a tight window, commonly less than 12 inches in length. In this scenario, using the CCL or GR to position the cutting blade in this space can be challenging when combined with other downhole factors such as line stretch, tool buoyancy, and well inclination.

Through pre-job planning, the MPC smart no-go system enables the cutting blade to be precisely landed inside the cut window without the use of the CCL or GR. Using a change in inner well diameter either above or below the cut window, a bespoke spacer system can be designed.

Reliable operations

Utilizing the MPC smart no-go system provides reliability of downhole tool positioning prior to cutting.

Faster operations

The positioning system allows for a direct connection between the e-line cutter and downhole completion for operational efficiency.

Deployment

The MPC smart no-go system can be conveyed using both PRIME and PowerTrac tractors for high angle well inclination, as well as integrated with the release device for well control security.

Specification	
	MPC
Tool OD	2.125, 2.56, 3.25 in.
Temperature rating	392°F / 192°C
Pressure rating	25,000, 30,000 psi
Pipe size	2-7/8 to 7 in. OD pipe
Pipe type	Max wall thickness 0.75 in.