

ProCISE

Casing cutting and recovery system

APPLICATIONS

- Plug-and-abandonment (P&A) operations where casing is to be cut and removed
- Pipe recovery where multiple casing cuts may be required
- Slot recovery and re-entry operations

BENEFITS

- Maximizes reliability of cutting and recovery operations
- Cuts and recovers casing with a single BHA
- Performs multiple cuts and trial pulls in a single run
- Recovers casing from the hanger, eliminating the need to strip drillpipe from the casing on surface

FEATURES

- Complete and fully integrated system for tension cutting and retrieving casing
- Spear can be engaged and released multiple times
- Recovers casing from the hanger, eliminating the need to strip drillpipe from the casing on surface
- Enables efficient annulus circulation and clean out through a hydraulic pack-off

The ProCISE* casing cutting and recovery system is designed to sever a single string of casing, engage it for removal, all in one operation.

Effective casing engagement and cutting

The ProCISE system in-line casing spear engages the casing and applies overpull to hold the casing in tension while cutting. To minimize rig time and cost, the system has a unique cutting solution: a multicycle pipe cutter.

This new cutting technology has three sets of blades that can perform multiple casing cuts during a single run. The ability to make multiple cuts in a single trip ensures a more efficient operation while using a technology that fully integrates with the in-line casing spear and positive displacement motor.

Reliable casing recovery

Once the system completes a cut successfully, the ProCISE system hydraulic pack-off is placed at the top of the cut casing string, and the inline casing spear is reengaged at the top of the casing segment in need of recovery. When circulation is reestablished and the pack off is set, returns come around the outside of the casing string, enabling efficient circulation of any cement solids or gas that might be trapped in the annulus.

The in-line casing spear can be engaged and released multiple times. This enables an optimal spear placement at the top of the casing segment allowing to hang the recovered casing in the rotary table while the spear is released and the workstring is racked out of the way, leaving the crew to handle the casing safer and more efficiently as it is removed from the wellbore.

With the ProCISE system, there is no need for a false rotary at surface to strip out drill pipe and casing while laying down the casing string.

Other system components include the Hydra-Stroke* bumper sub, a conventional bumper sub, and a mud motor.

Specifications	Tool Series 8000
Casing Size, in	9 $\frac{5}{8}$, 9 $\frac{7}{8}$, 10 $\frac{3}{4}$
Packer Rating, psi	10,000
Pull Capacity, lbs	1,200,000



ProCISE system.

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