

BRISTLE BACK CCT

BB

Complex, precompletion/Drill-Stem Test (DST) and workover cleanup operations demand casing cleanup tools with an effective, robust design. The BRISTLE BACK* CCT* (Casing Clean Tool) unit delivers.

Features

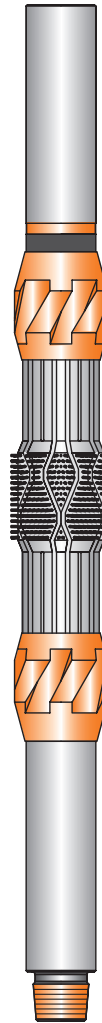
- Removes mud solids, cement sheath and pipe scale
- No risk of casing wear/damage from rotating stabilizers
- Brush cleaning life prolonged during rotation
- Self-centralizing, flexible-brush lantern
- Available in all common casing/liner sizes
- Supplied with drill-pipe box-up/pin-down connections

Benefits

- Scouring action ensures a clean pipe wall
- Non-rotating stabilizer sleeves and lantern avoid wear or damage to the casing and the tool bristles during pipe rotation
- Self-centralizing lantern distributes cleaning force equally for all hole inclinations

Applications

The BRISTLE BACK tool from M-I SWACO* WELLBORE PRODUCTIVITY* is run as an integral part of the drillstring to brush the casing ID clean as the pipe is run in hole during complex, precompletion/DST-testing and workover cleanup operations. It can be run as part of most drilling/milling/polishing assemblies and can be rotated and reciprocated without damage to either the casing or the tool.



How It Works

While the tool can be run as a stand-alone device, it is more commonly used as part of the cleanup system in conjunction with circulating tools, the RAZOR BACK* CCT unit and/or the WELL PATROLLER* filter tool.

The BRISTLE BACK CCT unit consists of a one-piece main mandrel; non-rotating, right-hand-spiral stabilizer sleeves and a non-rotating, bristle-covered lantern. During pipe rotation, the mandrel rotates inside the stabilizer sleeves and the lantern, avoiding wear or damage to the casing as well as the tool's bristles.

The strong, flexible, non-rotating lantern is set with spring-steel bristles and provides the force to contact and clean 360° of the casing's internal diameter. It is also self-centralizing inside the casing to ensure equal cleaning force at all angles of inclination.

The tool uses no bolts, clamps or threaded-on rings that can loosen, and there are no springs, multiple-bristle pads or blocks. The tool is HTHP-compatible and is not vulnerable to chemical or acid attack. As a result of all of these design enhancements, the BRISTLE BACK CCT unit is more effective, more robust and safer to use in wellbore cleanup operations than other designs.

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