

MULTIBACK (MBACK)

Specialized Tools: Casing Cleaning Tools

The MULTIBACK* (MBACK) combination casing cleaning tool merges the latest proven magnet, scraper, and brush technologies into a simplified and rugged tool that can be used on wellbore preparation trips. The flexibility of the component arrangement provides numerous options to customize the tool for a specific application.

Applications

The modular design of the MULTIBACK tool allows it to be configured for specific applications or requirements. The MULTIBACK tool has an integral magnet section to capture ferrous debris, scrapers to dislodge difficult-to-remove debris, and brushes to disturb the sheath and any other fluid build-up on the inner wall of the casing or liner. The tool can be run in the inner production riser, casing, and liner to remove a combination of scale, rust, mud film, drilling debris, ferrous debris, and pipe dope.

Features

- One tool carries scrapers, brushes, or magnets on the same mandrel
- Large flow area between magnets to capture large debris
- BRISTLE BACK REDRESSABLE* brush component can be readily redressed at remote locations

How it works

The MULTIBACK tool is run in the well as a conventional wellbore preparation tool on the workstring. The lanterns for the scraper and brush unit are flexible, non-rotating, and provide the force to contact and clean 360° of the casing's internal diameter. Its self-centralizing design ensures equal cleaning force at all angles of inclination. The magnet section comprises a mandrel with fins that allow for large flow channels between them. The magnets are installed on the inside faces of the fins using a method for retaining the individual magnets so that the debris is collected in the high volume channels. The magnet section is integral in the tool while the scraper and brush sections are interchangeable.

Advantages

- MULTIBACK combination tool provides brushing, scraping and magnetic debris recovery
- Scouring action of brush and scraping action of scraper removes cement sheath, burrs, and pipe scale to ensure a clean pipe wall
- Self-centralizing lanterns distribute cleaning force equally for all hole inclinations
- No risk of casing wear or damage from rotating stabilizers or lanterns
- Large capacity for up to 67 lb (41 kg) of ferrous material retrieval
- Recovered debris from magnets removed easily on location

