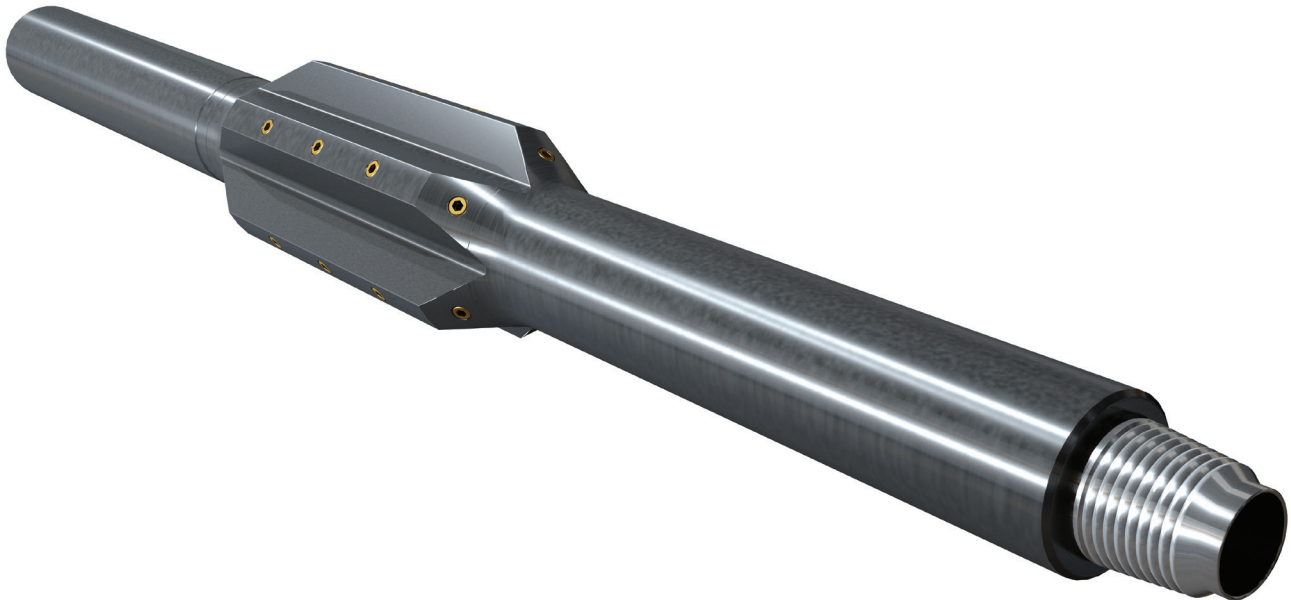


OWS Wellbore clean-up technology

Short Time Jetting Tool



The **Short Time Jetting Tool** is a simple and robust wellbore clean-up tool and can be run individually or modularly as part of the OWS ArmRdillo™ Wellbore Clean-Up System. The Short Time Jetting Tool is designed to jet the BOP cavities to dislodge debris during wellbore clean-up operations

FEATURES

- Single piece Mandrel
- Available with slick OD, solid bladed Ribs, or removable Jetting Sleeve
- Available in various OD's to suit onshore, platform or sub-sea BOP stacks
- Available with standard and high torque drill pipe connections
- Typically open ported design with optional BHA shut-off
- Adjustable jetting ports can be configured to select direction and total flow area
- Can be quickly assembled redressed on location with simple hand tools



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BENEFITS

Cost savings

- Simple BHA shut-off, does not require the use of the TIW valve or bull nose

Integrity

- Available with high torque connections reducing the need for reduced strength crossovers
- Single piece mandrel with no internal connections for increased strength

Reducing Non-Productive Time

- BOP cavities are known to collect debris and junk. Jetting before installing the completion can prevent premature failures

APPLICATIONS

- Pre-completion wellbore clean-up operations before running in the hole, when pulling out of hole, or both
- After milling operations to remove swarf which can damage the BOP rams and annular

OPERATIONAL

- The Short Time Jetting Tool is typically deployed immediately above the OWS XTractR™ Wellbore Filter Tool or other types of gravity junk baskets during BOP jetting to capture dislodged debris
- It is also recommended to run a dedicated magnet below the Short Time Jetting Tool to capture additional debris, particularly after milling operations
- Best practice recommends to function the rams and annular to help dislodge debris before jetting the BOP stack at 10 BPM while rotating slowly, making 3 passes
- It is also recommended to reduce jetting to 5 BPM while passing the annular
- The Short Time Jetting Tool can also be used to jet behind the wear bushing after it has been removed

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