The ULTIMATE in Hole Reaming

With the new and updated technology available to the drilling industry today, operators have the ability to drill longer, deeper, faster wells than in the past.

The Patented Typhoon Bi-directional Reamer has proved to assist with reaming while drilling technology. The Typhoon Reamer alone is reducing well times by 1 to 5 days by eliminating the need for a dedicated reamer run upon TD of the well, while also aiding in hole cleaning and conditioning.

Cost Savings Benefits

- Eliminates the need for a dedicated reamer run.
- Enables completions string to be run straight to bottom without the need to circulate and/or pound the completions string in the hole. Since the inception of the Typhoon Reamer, we have never had a customer claim that their completions string didn’t reach bottom.
- Speeds up trip times by leaving a gun barrel like well bore.
- Reams out high frequency well bore spiraling, eliminates the left and right hand whirl which is transmitted down hole by the drill string. Removes sections of parallel misalignment, key seats, ledges and dogleg tortuosity.

Features

- Cutting structure: PDC cutters brazed into cutter blocks, “cut” the formation. The Typhoon has a cutter block in each of the 3 uphole blades and a cutter block in the 3 downhole blades. This ensures ease of slide drilling as the PDC cutters are proud from the stabilizer blades, this ensures the Typhoon is sliding on the diamond surface rather than on the blades. This design has proved to have a lower friction factor than other reamers, or no reamer in the hole at all.
- No bearings or moving parts means less risk of downhole failure.
- Blade design: two integral blade stabilizers have a left and right wrapped profile to provide 360° coverage, which provides low torque characteristics.
- Blade placement: the distance between the uphole and downhole blades was specifically designed to be slightly longer and significantly stiffer than the packer and sliding sleeve. This feature along with the total length ensures that if the Typhoon Reamer has passed through, not only will your completions string go right to bottom, as many production teams have experienced, the Typhoon Reamer leaves the well in optimum condition for packer sets in the precise position.
- Hole Cleaning: between the uphole and downhole blades, a flow accelerator and an impeller are embedded within its design. These features agitate the cutting beds lying on the low side of the borehole to place them into circulation and bring them to surface, substantially reducing the risk of becoming packed off in hole.
- Testimonies and contact information from customers who have utilized and realized the above mentioned advantages of the Typhoon Reamer are available upon request.

Innovative engineering. Downhole excellence.

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