

Maple Group / Churchill Drilling Tools

Taking Care of Business...

Maple Group has been providing professional and technical support and services to the global oil and gas industry since 2004.

In addition to the products & services division, Maple Group continues to advance its capabilities through the successful productivity and management of key regional representation partnerships.

Churchill Drilling Tools are the leading specialists in drilling and completion flow technology.

Maple Group exclusively provides support to Churchill Drilling Tools throughout the Asia Pacific region. We have continued to grow and develop a strategic and successful relationship together for the past two years.

Churchill Instant Bypass Tool Range

Maple Group is able to offer the full range of tools through our manufacturing, servicing and distribution centres. The Churchill Tool range is innovative and offers cost effective solutions to all users.



IBT Wiper Activated Valve (IBT WAV)

- | | |
|---|-----------------------------------|
| ■ 100% Dependable dormancy | ■ Surface confirmation open/close |
| ■ Very large through Bore | ■ Fast pumping open/close devices |
| ■ No threat of accidental activation | ■ HT operations |
| ■ Activates with 98% pump stroke accuracy | ■ Drift Catcher compatible |
| ■ Assured cleaning, spotting & jetting | ■ LWD, MWD & Rotary steerable |

IBT Float Activated Valve (IBT FAV)

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|--|--------------------------------|
| ■ Circulation control | ■ Ideal for wellbore cleanouts |
| ■ Reverse pressure to cycle | ■ Ideal for fishing/milling |
| ■ New up rated J-Slot gives unlimited cycles | ■ Suits any well hydraulics |
| ■ No pressure drop across tool | ■ Works below obstructed bores |

The Churchill Drilling Tool range now has a large customer portfolio which includes



Churchill Drift Catcher

The Churchill Drift Catcher is a solution that enables drifting the drill pipe with improved quality, safety and efficiency. The Drift Catcher is now used on over 80% of all UK rigs in the North Sea.



Cost & time savings...

- Drift confirmed at surface in minutes
- No time lost searching for drift in BHA
- Fewer false alarms
- Pull out of the hole faster

Simple to use...

- Place sub below drill pipe
- Drill section as normal
- Drop drift and pump into place
- Surface pressure pulse confirms drift

Well friendly...

- Reliability through simplicity
- Through bore sub
- Fishable drift

Health & Safety...

- Prevents dropped objects
- Reduces manual handling
- No drifting in derrick

Churchill TOP JET

A simple tool that enables faster speeds when top filling a fully floated drill string. The TOP JET will save hours of rig time.



May 08 on ENSCO 102 – Jasmine Well – Lower Sand Face Completion – TD: 20,230 ft (13,996 ft of Drill Pipe)

Procedure...

- Run in 20 Stands
- Top fill 15 stands using TOP JET
- Run in a further 15 stands
- Top fill 15 stands using TOP JET
- Repeat until run in to desired depth
- Top fill last 5 stands using conventional method

Result...

TOP JET accelerated top filling saved...

7 Hours of Rig Time

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