

PORTED BYPASS SUB (PBS)

Specialized Tools: Circulating Tools

The PORTED BYPASS SUB (PBS) tool helps to establish communication between the fluids in the drill-pipe pressure and fluid flow around a tool in the drillstring.

Applications

The PORTED BYPASS SUB tool from M-I SWACO is normally run above the WELL PATROLLER* tool to provide an additional means of equalizing pressure and fluid flow around the tool, should it fill with debris while pulling out of hole. The WELL PATROLLER unit is run as a contingency device, and is only opened if required.

The PORTED BYPASS SUB tool can also function as a drill-pipe drain sub.

How it works

The tool is run in the closed position, and when required, a ball is dropped to open the ports. Fluid can then be pumped both through the ports and down through the tool.

The PORTED BYPASS SUB unit is open communication between the drill pipe and the annulus.

Features

- One-piece, full-strength drill-pipe mandrel
- Ball retained on seat in tool

Advantages

- To open up communication between the internal diameter of the drill pipe and the annulus

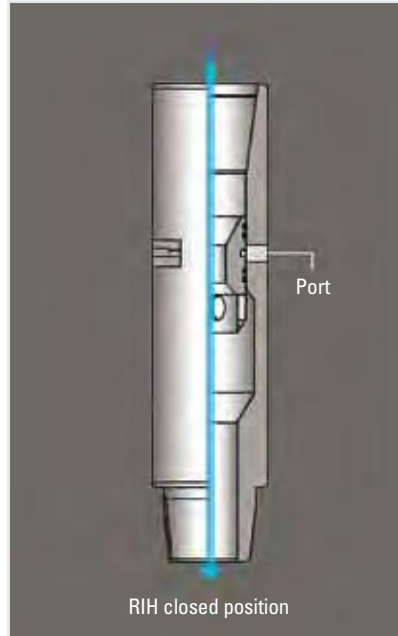


Figure 1. The PORTED BYPASS SUB is run in the hole in the closed position.

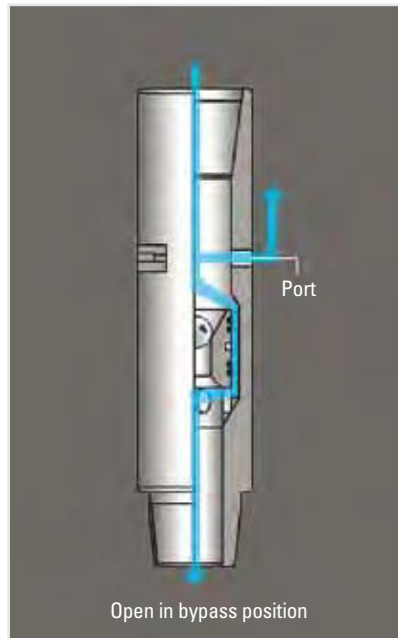


Figure 2. When pulled out of the hole, the tool is in the open position.

