

Archer AutoFill

Efficient Back-Fill and Well control



The Archer AutoFill tool is a mechanical tool designed to automatically back-fill the drill-string.

The AutoFill tool can be integrated in any RIH operation as a part of the drill-string. The automatic drill-string back-fill will save valuable rig time use filling the drill-string on surface. It can be rotated and reciprocated without damaging the casing or tool. This is due to its rugged design and the fact that it does not contain external bolts that could become loose under extreme conditions.

Efficient Back-Fill

Annulus pressure acting on a Pressure valve inside the AutoFill, will automatically back-fill the drill-string from annulus. The Pressure equalizing valve automatically closes communication to annulus when the drill-string is pressurized. This allows drill-string filling without compromising drill-string integrity.

The AutoFill tool can be integrated in BOP testing with loss to formation minimizing the risk of unbalanced wellbore. Another application could be running completions saving valuable rig time filling pipe.

Benefits

- Maintain wellbore integrity
- Saved rig time
- Controlled back-fill
- No RIH restrictions
- Simple to run
- Multiple run possible

Features

- Automatic equalizing valve
- Minimum ΔP to open/close
- Drill-pipe connection
- One piece mandrels
- Large ID

Typical Applications

- Drilling Operations
- Liner running

Specifications

Casing Size	Description	Connection
10"	10" AutoFill Tool, with automatic back-fill valve (Plunger type)	5 1/2" FH
10"	10" AutoFill Tool, with automatic back-fill valve (Plunger type)	DPN-MT57

Specifications may be subject to change