



Floating Junk Bonnet (FJB)

Weatherford's floating junk bonnet (FJB) is a patented* liner-top protection system, designed for use in the most challenging conditions to prevent debris from entering the tie-back polished bore receptacle (PBR) during liner run-in, well cleanup, and cementing.

The FJB is deployed with a cushion of fresh water between it and the cementing packoff, allowing the FJB to float in position at the liner top and prevent entry of debris. When cementing operations are completed, the running string is raised until the bypass channel on the setting tool extension straddles the FJB, thereby equalizing the pressure so that the FJB can be retrieved from the well.

Applications

- Cemented liners
- Liners in unconsolidated formations, especially at higher deviations
- Liners in sidetracked wells with accumulations of steel debris
- Liners in holes with problems caused by mud solids and lost-circulation material (LCM) fluids
- Liners run in well conditions that create liner-top debris
- Liners in wells from which retrieval of running tools is difficult

Features, Advantages and Benefits

- Patented design ensures that the FJB remains at the top of the PBR until the FJB is released. This feature prevents debris packing off around the tool until the FJB has been removed from the PBR, ensuring optimal performance of the running tool and good indication of running tool release.
- The spring sleeve and bypass channel allow fluid circulation to equalize pressure during retrieval, minimizing the force needed to retrieve the FJB.
- The FJB is equipped with backreaming blades and, when being retrieved, is locked to the setting tool extension by rotation lugs. With these features the FJB can be backreamed through debris, helping to ensure successful retrieval of liner running tools.

Specifications

- Contact an authorized Weatherford representative.

*Patented in the U.S. (5628366), U.K. (2284439), Norway (311811), and The Netherlands (194765)

