The different methods to plug a casing foot for the cementation

**The Swage Packer**

The swage packer method is preferably used when the diameter of the new liner should be as close as possible to the ID of the old casing usually to keep the same submersible pump. In this case, the small clearance between the old and the new pipe doesn’t allow the use of a casing annulus packer.

**The casing annulus packer**

The casing annulus packer will be used when the equipment of the well (pump) allows a diameter reduction of the well. Moreover, when the annulus between the two pipes is too large, the expansion capacity limit of the new pipe (around 18% of the initial diameter) makes the use of swage packer difficult or impossible.