MYN

Mechanical Retrievable Bridge Plug

The MYN Mechanical Retrievable Bridge Plug is a high pressure type plug used for multiple zone and selective zone treating and testing operations (including for fracturing, testing, cementing and acidizing). The plug is designed with a large internal bypass to prevent swabbing when running and retrieving. The bypass closes during the setting of the plug and opens prior to releasing the upper slips to equalize pressure when unsetting. The bypass is positioned directly below the upper slips to help debris wash when the bypass is open. The MYN plug has the added feature of being able to set and pack off the element in tension, making it ideal for setting shallow to test well head equipment and also deep, high pressure walls.

APPLICATION

» Mainly applied in testing, fracturing, acidizing, water plugging, and other operations under pressure.

» Suitable for vertical well, deviated well, directional well, horizontal well.

FEATURES

» The cartridge material is made of 72 hours vulcanization of modified fluororubber and a special cementation process (the same material performance index can be improved by 30-50% when changing the traditional cementation method), and it is characterized by high temperature resistance, corrosion resistance and high pressure resistance. The ability of restoring to its original shape is good, after seal element setting and compressing for a long time.

» In the design, it adopts T-slot guiding limit sliding telescopic slip structure, which is flexible and reliable.

» The friction plate top tight spring is a high elasticity material, which is not affected by the long-term effect of high temperature and corrosive medium in the well, and is convenient for tool to set and release.

OPERATION

Run to setting depth while latched to its spring loaded retrieving tool. Pick up, rotate 1/4 turn to the left at the plug, and lower tubing to set lower slips (27,000 lbs minimum). Slack off sufficient weight to pack-off elements, then pick up to firmly set upper slips and slack off again (5,000 lbs minimum). After setting plug, slack off tubing weight (3,000 lbs minimum), rotate 1/4 turn to the left at the plug and hold left hand torque, then pick up the free tubing from plug.

Connection the retrieving tool then lower tubing until the retrieving tool automatically latches to the MYN Bridge Plug. Sand may be washed from the upper slip by circulating through the upper portion of the plug. Pick up tubing to slack off weight (3,000 lbs maximum), rotate 1/4 turn to the left at the plug and hold left hand torque pick up to open the bypass valve, and wait until differential pressure has equalized. Continue upward movement to release upper slips, relax packing elements and re-latch. The plug may now be removed or re-located. If the plug will not release conventionally, slack off re-set then pick straight up to shear J-pins and release the plug (J-Pins will shear at 50,000 lbs each).