

Kobe Sub Running Procedures

Running Procedure:

The LRI KOBE SUB is used to allow annulus fluid pressure to equalize with the tubing string. It is most often used to check the integrity of a production packer set above it in a tcp string. It contains a breakable pin that, when broken, opens a 1/16" or 1.5mm hole between the tubing bore and the annulus.

The Kobe Sub must be made up independently from the string and tightened only with the pipe wrenches ensuring the wrenches are placed on the knurl and the tubing upset. (Power tong should not be used)

Note:

1. Do not drift/rabbit the Kobe Sub.
2. Do not apply torque through the Kobe Sub when making up tubing onto the tool.

Make up the next pup joint in the assembly. Placing the back up wrench on the knurl on the Kobe Sub, tighten the pup joint in with pipe wrenches only. (Again Power tongs should not be used)
Remove slips and continue running assembly in the hole.

Precautions:

When tripping the tubing string into the well, take care not to allow anything to drop into the tubing bore. When operations are suspended, cover the tubing bore with a cap.
Falling debris may break the Kobe Sub pin prematurely.

Breaking the pin:

The Kobe pin can be broken with a logging tool, drop bar or any tool with a diameter greater than 1.125". Breaking the pin opens a 1/16" or 1.5mm communication hole between the tubing bore and the annulus. The pin is designed to break and still remain attached to the Kobe Sub body. This helps reduce the chance of the pin interfering with a mechanical firing head. However, if an object larger than a standard logging tool passes the pin, it will shear off completely.

