



CASE STUDY

# TDP-3 with electronical cycling device

## Product

TDP-3E 587×300

## Challenge

The displacement of Nitrogen can cause significant logistical problems, with operators using nitrogen to displace well fluids, creating an underbalance/balanced situation before opening the well for production. This requires high-risk manual handling activities, and logistical time, to deliver the volume of Nitrogen needed. Our client wanted to remove this process to increase safety and reduce time.

## Solution

We proposed the use of the TDP-3E 587×300. During displacement to Nitrogen, the hydrostatic in the well decreases dramatically from the installation fluid. The electronical cycling device is programmed to activate and start counting down to open the plug once the hydrostatic pressure is equal to a fully displaced well. This means that nitrogen cycling, and it's associated operational requirements, are unnecessary.

## Result

The TDP-3E 587×300 followed the pre-programmed set up as planned and successfully cycled open. When the plug opened a small increase temperature gave enough indication that the plug had opened, achieving access to the reservoir.

Another successful installation, and remote open plug installed with the Electronical trigger device.

