

Case Study:

PulseEight wireless intelligent completion technology delivers P/T data from clients wells in Norway

TAQA's PulseEight dynamic downhole reservoir management system uses unique Fluid Harmonics to deliver pressure & temperature data to surface, without the need for control line.

Well Data

Location: Offshore Norway

Well Type: Gas Producer

Installation Date: May 2012

Depth: 3250m

Liner Size: 6 $\frac{5}{8}$ "

Temperature: 112°C



When this gas field was originally developed, it was not envisaged that any further wells would be drilled and no permanent downhole gauges were installed. Nearly 20 years later, in the drive to improve recovery from the field, the operator requires downhole data to evaluate the potential value of an in-fill drilling program.

The Challenge

During pressure pulsing the potential existed for condensate to build up and kill the well.

TAQA Solution

TAQA minimised the signal magnitude to 0.4bar at surface to minimise transient production effects. No surface acquisition equipment or data relay system was required as the existing wellhead pressure sensor was used to read the signal.

Project Results

The gauge transmitted data for 177 days until the batteries depleted.

