

Case Study:

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

TAQA's PulseEight system uses unique Fluid Harmonics Production Telemetry to regain pressure & temperature from clients wells.

Well Data

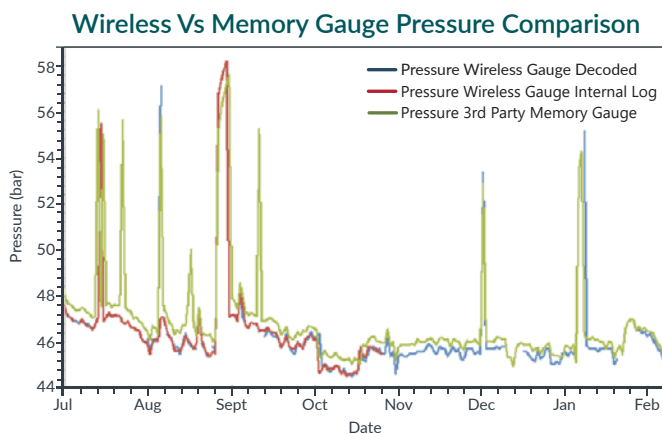
Location: Offshore Norway
Well Type: Gas & Gas Condensate producer
Installation Date: June 2011
Depth: 2500m
Tubing Size: 7"
Temperature: 100°C
FBHP: 900psi **FWHP:** 450psi



A Scandinavian operator had experienced downhole pressure and temperature gauge failure in their well, losing vital data required to plan for tertiary recover techniques in this mature and heavily depleted field.

The Challenge

Low well energy with little pressure drop across the wellhead choke coupled with condensate slugging are potentially challenging for Fluid Harmonics production telemetry.



TAQA Solution

TAQA restored measurements using the PulseEight Wireless PT Gauge. 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 226 days. On retrieval, the data was compared to a memory gauge deployed in the assembly, confirming the veracity of the transmitted and recorded Wireless Gauge data.

- Successful installation, hanging off the WDG on an IDSP Packer
- Successful downhole data acquisition
- Successful wireless transmission to surface