



PulseEight™ Secure

SUCCESS STORY

PulseEight Secure restores well integrity with significant increase in well production

Alaska

10x

INCREASE IN OIL PRODUCTION

5

DAYS TIME SAVING TO REOPEN

89%

REDUCTION IN FLOWING WELL-HEAD PRESSURE

PulseEight Secure wireless completion is a simple retrofit solution to safely restore production or injection in wells with a failed downhole safety valve, by autonomously responding to change in a well's flow or a critical safety event.

THE CHALLENGE

An operator in Prudhoe Bay had a well which had been shut-in for some time due to high water cut in low oil production. The well was previously operated with ~950psi flowing well head pressure required to maintain the Back Pressure Valve (BPV) in the open position and for it to close in an emergency.



THE SOLUTION

A self-contained, self-powered 3.5" PulseEight was successfully deployed and commissioned, and the State Regulator, Alaska Oil & Gas Conservation Commission (AOGCC), witnessed multiple commissioning tests of the new technology, approving the well to be put into full production.

THE RESULT

Initial testing and subsequent well clean-ups established flowing well head pressure with the PulseEight Secure installed is ~200psi. As a direct result, the customer witnessed a three-fold increase in total fluids but the associated reduction in water cut (WC) associated with this drawdown saw a near ten-fold increase in oil. Longer term, it is expected that the WC will continue to reduce delivering more incremental oil.

WELL DATA

- Location: Prudhoe Bay, Alaska
- Well Type: Oil Producer
- Tubing size: 5.5inch
- Setting Temp: 95°C



Adds Value in Any Scenario

From marginal fields to multilateral wells, putting an intelligent asset to work provides the most direct way to reduce lifting costs, improve economic viability, extend productive life and increase overall recovery rates.