

Expro Excellence

# Hydraulic Intervention develops bespoke pumping package to tackle scale inhibition program

Well Intervention and Integrity



## Objectives and background

- As one of the longest producing fields in the UKCS, the formation of scale is a continuous challenge that the operator is required to manage
- Two types of scale that are present within the field are calcium carbonate and barium sulphate
- Conventional methods such as milling techniques or chemical dissolvers are often only considered once production loss has been experienced
- A scale inhibition program was implemented to proactively prevent the formation of scale and would require routine hydraulic intervention of the wells
- Ageing assets provide challenges with POB, weight limitations, deck space and therefore an integrated approach would be required
- Electrification of pumping spread was key to its location within the platform zoning restrictions

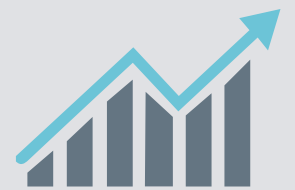
## Expro Excellence

- Expro delivered a multi-disciplined crew structure combining both Mechanical and Hydraulic Intervention Specialists as part of the core crew to deliver across all assets in the field
- A bespoke pumping system was designed to meet the customer requirements
- The system consisted of a small footprint, lightweight design that could be integrated into the zoned areas within the centre of the platform adjacent to the wells themselves.
- Pumps were electric driven using existing platform power contributing to a lower carbon footprint than conventional diesel driven units
- Expro's Hydraulic Intervention services were extended to a second field consisting of two producing assets that the customers owned and operated

## Value to the client

- Continuous production is maintained through careful planning and execution with 100% uptime across all Hydraulic Interventions conducted to date
- Specifications of the pumping system is such that a planned change in chemical design could easily be accommodated ensuring intervention timings were minimized
- A combination of multi-disciplined crew structure and blended contract management provide the customer with enhanced reactions times and more precise forward planning when combining both Mechanical and Hydraulic Intervention across their assets

Increased productivity



Integrated approach

