

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

### Safety



### Integrated approach

