

Expro Excellence

Expro ActiveSONAR™ confirms success of well remediation program

Well Flow Management | Flow Surveillance



Objectives and background

- An operator of a Normally Unmanned Installation (NUI) facility in the Southern North Sea, had no individual well monitoring in place
- The customer had invested in a conventional ultrasonic clamp-on meter for export line testing by difference. This conventional ultrasonic clamp-on meter had failed to provide measurement
- The customer was planning well remediation intervention with a perforating program to increase production
- Existing lower completion limited the thru-bore access, the size of perforating guns and potential effectiveness of the remediation

Expro Excellence

- Expro ActiveSONAR™ flow meter was the proposed solution to perform testing on each individual well and determine the differential pre and post perforation
- The project was performed as a two-stage surveillance operation on the export production header and on each of the four production wells
- The ActiveSONAR flow meter was installed on the production header downstream of the existing ultrasonic clamp-on flow meter. Although this was a less desirable pipe position, Expro successfully collected data
- The ActiveSONAR flow meter unique diagnostics capabilities, identified wetness in the process gas

Value to the client

- The customer was able to define and qualify the results of its perforation intervention
- Comparing the flow rate pre and post perforation provided the customer with the confidence of individual well perforation success
- The customer realized an average 40% improvement in peak production on wells that responded to remediation
- This solution eliminated the need and cost of running a production logging tool on each well
- Non-intrusive installation and small footprint, compact design
- The customer received a cost-effective solution previously seen as a cost-prohibitive application

Cost saving

