

## **Challenge** - Reduce time on the critical path & personnel working in the red zone

An oil and gas operator in the UK was planning removing the necessity for multiple personnel an important upper completion of 5 ½" 17# a remote platform in the North Sea.

in Hole (RIH) operations and improve safety by decided to utilise them for this completion.

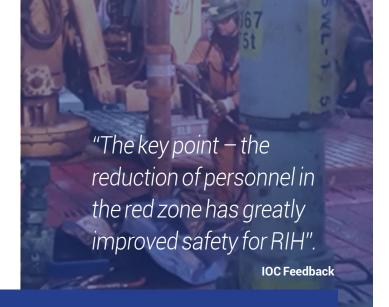
working in the 'red zone', around the rotary table, 13CR VAM® TOP tubulars with 1 to 4 cables on when more traditional cable protectors have to be installed.

The main aims were to deploy the completion The operator understood the safety successfully, reduce the time needed for the Run improvements that PICP could provide and



PRE-INSTALLED CABLE PROTECTOR: SUCCESSFUL FIRST LONG STRING DEPLOYMENT IN A NORTH SEA PRODUCTION WELL





## Solution - Easy, Quicker and Safer Installations

The oil and gas operator had trialled a handful of Vallourec's Pre-Installed Cable Protectors (PICP) in 2021 and from that positive reception they could see the safety benefit potential of using PICP and requested Vallourec to supply units for a long string installation.

The PICP units were supplied in late 2022 and were pre-installed on tubing joints and then loaded onto transport frames in January 2023 at a rig-ready facility near Aberdeen, Scotland.

The frames were shipped out to the platform in mid-February and

February 2023. A total of 139 PICP units were successfully installed.

One of the critical objectives for the operator was to improve safety and this was achieved with the rig floor activity needed for PICP requiring only 1 person in the 'red zone' to install the cable and torque up the cable protectors' single bolt. More traditional cable protectors typically require 3 or 4 personnel in the 'red zone' to fully install the units, insert the cable and energise the cable protectors.

With the PICP units being preinstalled onshore, during rig-

the actual RIH took place in late ready preparation of the tubulars, there is no manual lifting or handling required on the drill floor which again provided the O&G operator with improved safety by eliminating potentially dangerous activity.

> In addition, Vallourec's PICPs were shown to reduce the offshore logistics needed to install them as they are simpler and easier to use.

> On the back of this successful deployment, the operator has initiated an order for more PICPs.

## Benefits/ Results - Safer RIH operations

- Improved safety: single person operation on rig
- Reduced personnel exposure: less time around the rotary table
- Innovative stabbing guide: easy to use and assists to align the cable protector with the cables at the rotary table
- Single tool required at the rotary table (pneumatic NutRunner): reducing time, activity and dropped object potential on the rig floor
- No change to tubular handling or torquing operations from standard RIH procedure
- Side door elevators used: the PICP are rated to hold the 'full string weight'
- Simplified logistics: no heavy & cumbersome cable protector crates on rig floor
- Accurate cable protector count readily available from the tubing tally.
- No need to stop RIH operations to replenish traditional cable protector crates

## **OTHER SUCCESS STORIES**

To find out more about Vallourec's Pre-Installed Cable Protector, visit the <u>dedicated page</u> on our website.