



# GARD *U-line* Roller Enables high-deviation P&A on digital slickline



**UKCS** 





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COUNTRY: UK



*U-line* Size:  
**2.900"**

Depth:  
**14,147ft**

Deviation:  
**65°**

## CHALLENGE

A UK Operator planned to conduct a plug & abandon programme in a series of wells in the Southern North Sea. Digital slickline was selected to deploy the various well intervention services, including drift to check tubing clearance, setting of thru' tubing plug and finally cutting tubing above the production packer using an explosive-style PowerCutter, before pulling tubing as part of the well abandonment process.

## SOLUTION

GARD *U-line* Roller Technology was selected to convey the digital slickline platform, in order to minimise friction, maximise momentum and ensure toolstring access to target depth (TD) at 14,147ft. Although well deviation was not extreme, it was critical that intervention time was minimised due to rig cost and that all risk was managed effectively, including head tension during retrieval. Several different configurations of *U-line* Roller were utilised in the same toolstring, in order to reduce the number of crossovers required. In addition, the fact that *U-line* Roller does not contain fasteners was considered a positive feature when deploying explosive services such as the PowerCutter.

## RESULTS

*U-line* Roller Technology successfully conveyed all toolstrings to target depth, without incident, according to plan and within budget, proving the value of *U-line* within the decommissioning market. This operation further validated the Technology which passed all pre-job tests before deploying digital slickline services in the field with a major international service company Partner and new end-user Client.

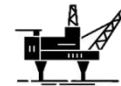
## VALUE

*U-line* Roller Technology successfully reduced overall well intervention risk, time and cost as planned.

*More detailed information can be provided upon request*

## Intervention Programme

- Tubing Clearance Check
- Set Thru' Tubing Plug
- Cut Tubing above Packer



ASSET: Offshore Gas  
Condensate Well



METHOD:  
Digital Slickline



CHALLENGE: Explosive  
Services



OPERATION: Well  
Abandonment



## Operational Highlights

- Conveys digital slickline for first time
- Seamless operational performance
- Explosive PowerCutter conveyed to cutting depth, no issues encountered
- Combination of slick and e-line style *U-line* included on same string

