



GARD *U-line*[™] Roller Facilitates Plug Setting



UKNS



GARD U-line™ Roller Facilitates Plug Setting

COUNTRY: UK



U-line™ Size:
3.500”

Depth:
14,900ft

Deviation:
81°

CHALLENGE

A major North Sea Oil & Gas Operator was interested in collocate a retrievable bridge plug below the last side pocket mandrel. This in order to conduct a repair on their hydraulic master valves in one of their highly deviated gas wells. The well profile and the presence of the mandrels made this well considerably challenging with a depth of 14,900 ft and 81° of deviation.

SOLUTION

After evaluation GARD U-line™ Rollers were recognized as the best technology option to convey the toolstring successfully to Target Depth (TD). With the in-house modeling software two different sizes of GARD U-line™ Rollers were selected to: assess accessibility to TD and confirm safe and free clearance through all well restrictions and to set a retrievable plug (RBP) just below the fourth and lowermost side pocket mandrel. A bigger size of roller was considered to be able to provide lift to the RBP to be able to negotiate the side pocket mandrels.

RESULTS

U-line™ Rollers were run and worked until they sat down at 13,729 ft below rotary table with a deviation at this depth of 80.3°. After working the toolstring several times the toolstring was retrieved as the bridge plug could not be reached as the drift did not prove tubing clearance. This lack of reachability was attributed to the presence of an awkwardly positioned tubing mandrel just above the bridge plug.

VALUE

By using U-line™ Roller Technology the operator could reach a deeper and highly deviated section of the well that other rollers in the market could not achieve. A restriction in the well was discovered for future operations to consider.

More detailed information can be provided upon request!

Intervention Programme

- ➔ Drift Run
- ➔ Retrievable Bridge Plug Setting



ASSET: Offshore
Gas Well



METHOD: Slickline



VALUE: Saved 50% of
time



CHALLENGE: Deviation



Operational Highlights

- ➔ Stiction eliminated, head tension-controlled intervention risk reduced to manageable levels

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