



GARD *U-line*[™] Roller Unlocks 1.7MMbbls for Operator



MALAYSIA 





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COUNTRY: Malaysia



U-line™ Size:
2.700”

Depth:
9,389ft

Deviation:
75°

CHALLENGE

A Malaysian Operator identified that the cost of intervening in challenging wells was preventing their re-activation. One of the best-producer dual-completion wells had been shut-in for 2.1/2 years and was prioritised for sand control remediation, through setting of thru’ tubing sand screens (TTSS) in both long string at 9,389ft and 74deg and short string at 8,608ft and 75deg deviation respectively. Initial attempts to access the well with legacy roller tools proved unsuccessful, stopping a third of the way to target depth.

SOLUTION

All conveyance options were assessed, with GARD *U-line*™ Roller Technology being selected to conduct the sand control intervention programme. Delivering greater running clearance with a bespoke wheel size, *U-line*™ Roller was considered as the best chance of success given the presence of sand in the well, combined with the need to jar and set locks with TTSS within nipples at high deviation.

A *U-line*™ simulation report was delivered to Operating and service company stakeholders as part of detailed pre-job planning; product training and continuous on-the-job support was delivered throughout the campaign, to optimize toolstring and ensure best chance of success.

RESULTS

U-line™ Rollers succeeded where other rollers had failed, not only successfully reaching target nipples, but in carrying out all slickline operations critical to reactivating the well.

Thru’ Tubing Sand Screen were set successfully in both short and long string target nipples. The total footage travelled by four (4) *U-line*™ Rollers was 308,000ft (94km) with NO *U-line*™ Roller components being replaced during the campaign and no incidents or accidents recorded.

VALUE

Post shut-down production levels were resumed, unlocking reserves of 1.7MMbbls.

More detailed information can be provided upon request

Intervention Programme

- Thru Tubing Sand Screen Installation



ASSET: Offshore Oil Well



METHOD: Slickline



TEMPERATURE: 174°C



VALUE: 1.7MMBBLs added



Operational Highlights

- 308,000ft (94Km) travelled during programme of work
- No components replaced
- Effective mechanical jar action at setting depth & deviation to set locks with TTSS
- Multiple high-deviation intervention learnings for all stakeholders

