GARD *U-line*™ Roller Enables Plug & Perforate in High-Deviation Target

NIGERIA

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COUNTRY: Nigeria

U-line™ Size: **2.750”**

Depth: **10,359ft**

Deviation: **74°**

CHALLENGE

A Nigerian Operator was looking to shut-off a horizontal well section currently producing with high water cut in addition to opening access to a new interval above the horizontal section with new perforations. This well presented a challenge since it has an inclination of 74° at the nipple where the plug needed to be installed, located at 10,359ft Measured Depth (MD).

SOLUTION

GARD ***U-line***™ Roller Technology was proposed and selected to conduct the conveyance of the plug to nipple to shut off the water production and then proceed with the perforation work of the upper-level interval at 10,260 - 10,280 ft. GARD ***U-line***™ Roller Technology is able to tackle the challenging well inclination of 74° while being a cost-effective deployment of toolstrings to Target Depth (TD) with the use of either slickline or electric wireline.

RESULTS

U-line™ Roller successfully assisted in the installation of the px-plug as planned, presenting no issues with the high inclination angle. This allowed to place the cement plug to shut-off the water production and to be able to perforate the new producing reservoir. The operator benefitted from the use of ***U-line***™ Rollers proving that they could be used to effectively perforate and connect the new interval to production through challenging well conditions at high deviation.

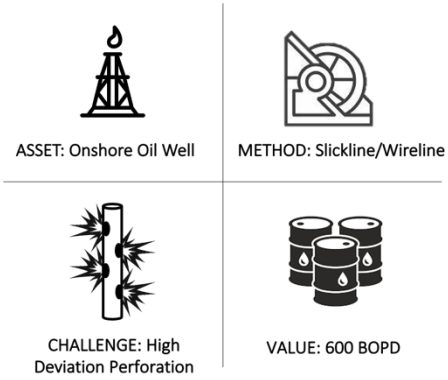
VALUE

U-line™ Roller Technology aided in getting into production the new reservoir with an estimation of 600 bopd, increasing the production significantly and reducing water production from the other interval.

More detailed information can be provided upon request

Intervention Programme

- Plug water shut-off
- Perforation



Operational Highlights

- Achieved TD
- Effective Plug placement
- Successful gun activation at target depth
- Start well production flow as planned
- No near misses recorded during deployment of *U-line*™ technology