CASE STUDY: ARTIFICIAL LIFT - CONGO

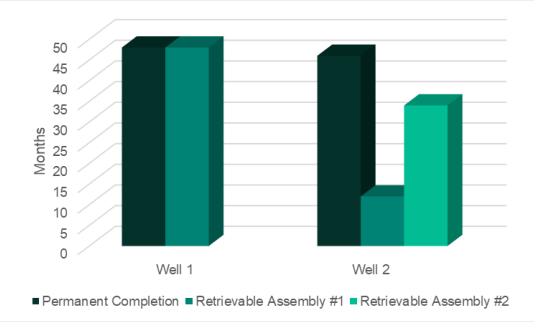
AccessESP rigless ESP reaches four year run life milestone in Republic of the Congo, eliminating a workover and increasing production by 82%

CHALLENGES

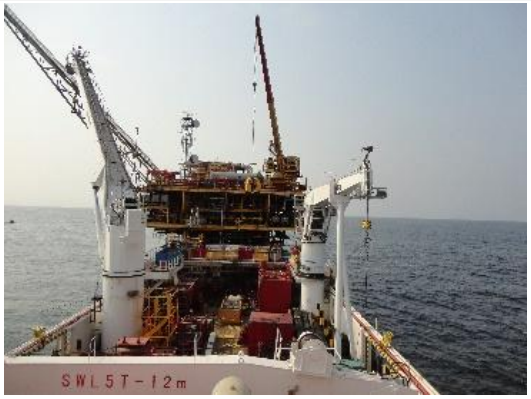
- Logistics of securing and mobilizing a workover rig to replace conventional electric submersible pumps (ESPs)
- New technology would need to perform as well or better than conventional ESPs
- Obtaining full bore access to the reservoir below after system pull
- Ability to allow live well intervention

SOLUTION

- Baker Hughes installed an AccessESP™ retrievable ESP system for its ability to:
  - Reduce intervention risk, time, and costs with a retrievable assembly that can be easily removed and redeployed via a light well intervention
  - Maximize well production and reservoir recovery
- UpCable™ power cable was also utilized to eliminate cable splices to reduce ESP installation time and increase reliability



The AccessESP system has been running for four years to-date with only one intervention performed via slickline



Rig operations offshore West Africa installing the permanent completion with retrievable assemly

RESULTS

4 years
Run time to-date on installation of AccessESP system in two wells

Industry first
Installation of UpCable power cable

Zero
Interventions performed to-date on well 1

One
Light well intervention performed on well 2 in three days via slickline to remediate a broken pump shaft

82%
Increase in production

Baker Hughes

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