

# First run of Roto-Pulse lower completion deployed acid treatment doubled planned injectivity and saved \$500,000 USD

## CHALLENGES

- Inefficient removal of filter cake from open hole completion installations causes higher skins and lower injectivities at well onset
- Traditional methods of improving injectivity through post completion stimulation can add significant costs to deep-water wells

## SOLUTION

- Baker Hughes collaborated with the operator to design a more efficient solution for filter cake removal that was performed during lower completion operations.
- A one-trip acid treatment solution was created using multiple products
- The Roto-Pulse™ coiled tubing jetting tool was added to the [SC-XP™ Prime lower completion system](#) to precisely inject and divert acid through the screens toward the filter cake. This achieved a coiled tubing-like acid treatment during onset of lower completion installation.

## RESULTS

- 17 hours of rig time saved resulting in \$500,000 USD savings for operator
- Fastest open hole completion to date for the operator
- Injectivity increased 100% from planned results
- Filter cake thickness was reduced through 7x's faster open-hole displacement rates compared to previous operations
- Onset injectivity matched post well coiled tubing stimulation without the \$10M subsea intervention cost