

RCX CHITON recovers twelve high-quality samples in ultra low mobility reservoir, saves two days of rig time

CHALLENGES

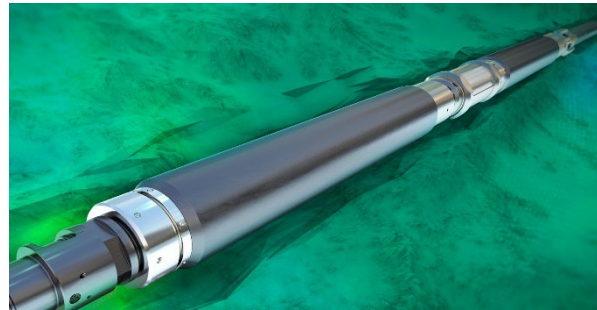
- Ultra low mobility reservoir (<1 md/cp)
- Twelve-sample program
- Multiple inflation cycles
- Differential sticking
- 2,700 psi (18.6 MPa) differential pressure

SOLUTION

- RCX™ CHITON straddle packer
 - Active hydraulic mechanism
 - Contra-wound elastomer packer elements
 - Minimal inflation and deflation times
- Multiple setting in a single descent
- RCX IFX fluid characterization service
- Validation of fluid densities derived from pressure gradients
- Calculation of the gas-to-oil ratio (GOR) and fluid compressibility

RESULTS

- Retrieved twelve high-quality samples at the maximum differential of 2,700 psi
- Conducted 17 inflations in the well
- Flawlessly executed with zero overpull and no stuck pipe events
- Completed all sampling operations in a single descent
- Saved two days of rig time



Expand the operating envelope of sampling and testing in challenging reservoirs.