



CASE STUDY

PBL® Bypass System – Optimized Hole Cleaning, Less Operating Time – Thru-Tubing Services - Argentina

Application

Increased Flow Rate in Coiled Tubing (CT) BHA to provide optimal hole cleaning capabilities, while dressing multiple plugs on an unconventional completion job. Location: Vaca Muerta Field - Unconventional Drilling and Completion.

Objective

2-7/8" PBL Bypass System was added to the 2-3/8" CT BHA to allow increased flow rate upon activation; 2500 m lateral section at 2600 m TVD.



Results & Benefits

- PBL was successfully activated several times, allowing flow rate increase from 3 bpm @ 8500 psi to 4.5 bpm @7000 psi.
- 100% of the plugs were drilled and cleaned out of hole.
- 50% less wiper trips; less operating time.
- Increased CT equipment lifecycle on account of less wiper trips.
- Presently, more than 100 jobs have been successfully executed using this application.
- 2 7/8" PBL Bypass System has become the local service reference for this type of application.