

# Maximizing ROE on sidetrack

## SITUATION

An operator approached Baker Hughes for a solution to improve the operational efficiency of their sidetrack operations. Although current performance was acceptable, they believed there was greater value to be achieved if performance could be improved.

## OPERATOR CHALLENGES

- Slow operations running in hole
- Dedicated clean out runs needed
- Data not used to optimize operations
- Limitation on Pull/Push capacity to pass oval casing or hi DLS section of the casing

## SOLUTION

### Expertise

We collaborated with the customer to identify areas for improvement and align on goals. We applied our technical knowledge and operational experience to develop a plan to optimize the operation and put the sidetrack as close as possible to the reservoir target and reduce drilling time.

### Design

We analyzed the customer's data to understand the inefficiencies. Well clean up and tool reliability were significant contributors to the inefficiencies. We designed a solution to eliminate these issues and streamline operations. The

target location in the casing that was identified presented challenges but would be possible using our new robust [X-treme™ WindowMaster™ whipstock system](#). This innovation had the power and speed to operate where others had failed.

### Execution

With our asset footprint, we had the people and the equipment nearby to support the operation. We executed with our Manage the Job Cycle model of standardized process. For this customer, we performed a total of three sidetrack operations in three wells – all delivering maximum returns on efficiency.

## RESULTS

**3X**  
faster run speed

**Avoided**  
clean out run

**#1**  
named best new technology by customer

**62%**  
reduction in CO<sub>2</sub> emissions

**Eliminated**  
handling and rig floor operations

**Zero**  
non-productive time (NPT)

## ASSET LIFECYCLE

