CASE STUDY: OFFSHORE NORWAY

X-treme WindowMaster whipstock system cuts trip time in half, eliminates separate cleanout run in an offshore whipstock operation

CHALLENGES

- Oval casing in one interval posed challenges for running and setting conventional systems
- Tripping speeds and applied torque limitations for conventional systems
- Making up traditional whipstocks on the rig floor adds time, introduces safety risks
- Time-consuming drift/cleanup operation a requirement for conventional systems
- 9.625", 53.5, P-110, 42 deg.

SOLUTION

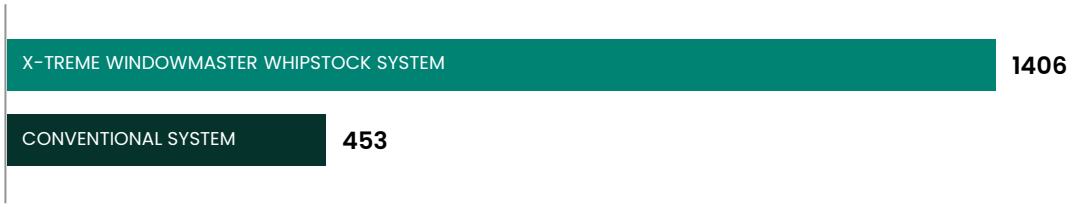
X-treme™ WindowMaster™ whipstock system selected due to:

- A 360-degree connector that withstands high loads, rotates with high torque, pushes through restrictions
- Faster tripping speeds and no need for a prior cleanout operation
- Improved rig-floor handling since lead mill comes pre-made to connector
- Robust anchor design with few moving parts can be activated via annular pressure or mechanically

RESULTS

- Decreased carbon emissions by reducing time for casing exit service
- Run-in-hole speed increased by 3 times compared to conventional system, despite oval casing section
- Easily passed through a casing restriction that typically requires a separate cleanout run or change of well path
- Mill window completed in 4.5 hours, well under the 10-hour target
- Saved a total of 50 hours compared to running a conventional system
- Operator named X-treme WindowMaster system best technology of 2021

Tripping speed comparison (meter per hour)



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