

Nabors Automated Casing Drive System™ Improves Rig Up/Down Time by 70%

Nabors has expanded its Integra™ TRS in Colombia, allowing the client to efficiently and reliably run automated casing operations in a region dominated by conventional practices.

Challenge

An operator in Colombia had historically run casing operations in a conventional manner. This meant having to manually bring several pieces of equipment to the rig floor which increased the need for more people, higher costs of transportation and exposed more personnel in the red zone area.

Solution

Nabors automated Casing Drive System™ was hydraulically connected to the top drive which was then guided by the driller's HMI screen. Pre-defined parameters were entered to ensure a consistent connection was made throughout the casing run. This eliminated the guesswork from estimating the manual torque application needed for each connection, in turn, removing crews from danger in the red zone.

Case Study Facts

LOCATION: Colombia

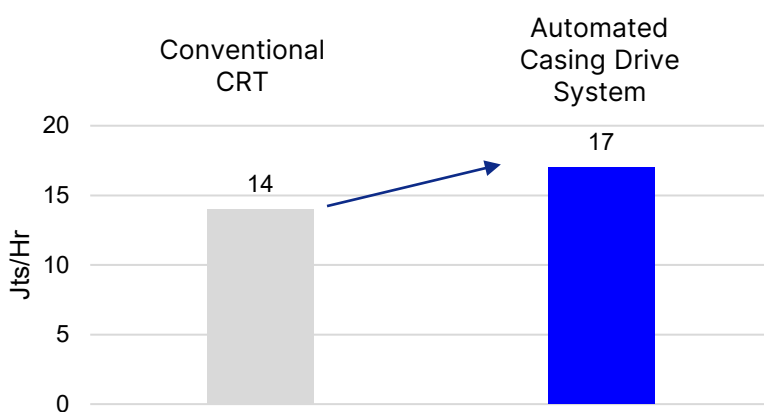
CUSTOMER: Operator

TIME FRAME: June 2023

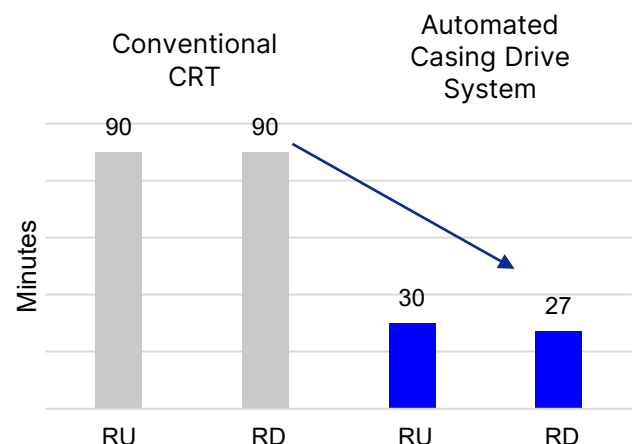
DETAILS: Surface Section, 2,400 Feet

Results

With Nabors automated Casing Drive System™, the customer made the transition from conventional to integrated casing running. This consistency and dependability produced by the tool shaved seconds off each connection, boosting the casing joint speed by 21%. The use of Nabors Integra™ TRS also significantly reduced the rig up and down time by as much as 70%, ultimately saving our customer a total of 4 hours compared to their conventional mobilization/demobilization times.



Comparison of speed before implementation of Automated CDS



Comparison of rig up/down time before implementation of Automated CDS