

# THRUSTER

Designed to increase reliability in your BHA components, the Thruster provides consistent drilling parameters, from ROP to WOB and differential pressure.

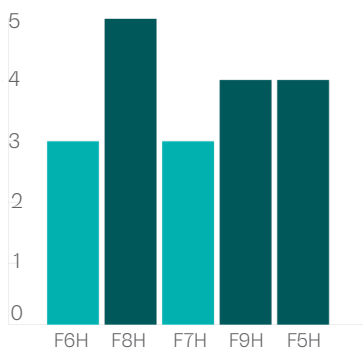
The Thruster provides a consistent force to the bit by balancing hydraulic (pressure drop below the tool) against mechanical forces (weight on bit). This balance provides smooth energy transfer to the bit—even in erratic situations.

Unplanned trips are expensive and burden your AFE. Thruster is proven to reduce excess trips and associated costs.

## FEATURES AND BENEFITS

- Consistent bit engagement to improve weight transfer
- Decrease shock and vibration
- Reduce damages to bits and other BHA components
- Reduce weight and torque swings while drilling

BHAs Used Per Well



Wells F 6H and F 7H A were drilled with a Thruster, while F 8H, F 9H and F 5H were drilled without Thruster.

## \$750MM

**AGGREGATED SAVINGS**  
Minimum estimate of aggregated savings achieved by reducing the number of trips and days drilling as the result of adding Thruster to BHA (worldwide, excluding savings on prevented damages to BHA)

## \$80k

**SAVINGS PER DAY**

Average savings per day per BHA achieved by increasing the efficiency of drilling while reducing the time drilled as a result of using Thruster as a dysfunction mitigation tool

## 24/7

**ON-CALL SUPPORT**

Our operations and technical support team take on-call shifts to make sure there is always help available to our clients.

## 11k+

**RUNS GLOBALLY**

The Thruster achieved its 10,000 runs in 2023. Some of the countries where the Thruster has been deployed include USA, Canada, Saudi Arabia, Turkey, Pakistan, Australia, Egypt and Oman.

## 0.08%

**IADC RATE**

Continuous improvement to ensure maximum reliability.