

CASE HISTORY

gyroMWD Module Accurately Guides Re-entry and Validates Position of BHA

APPLICATION

Sidetrack, Re-entry, Survey Validation

TECHNOLOGY

gyroMWD Module

LOCATION

North Sea (Denmark)

CUSTOMER CHALLENGE

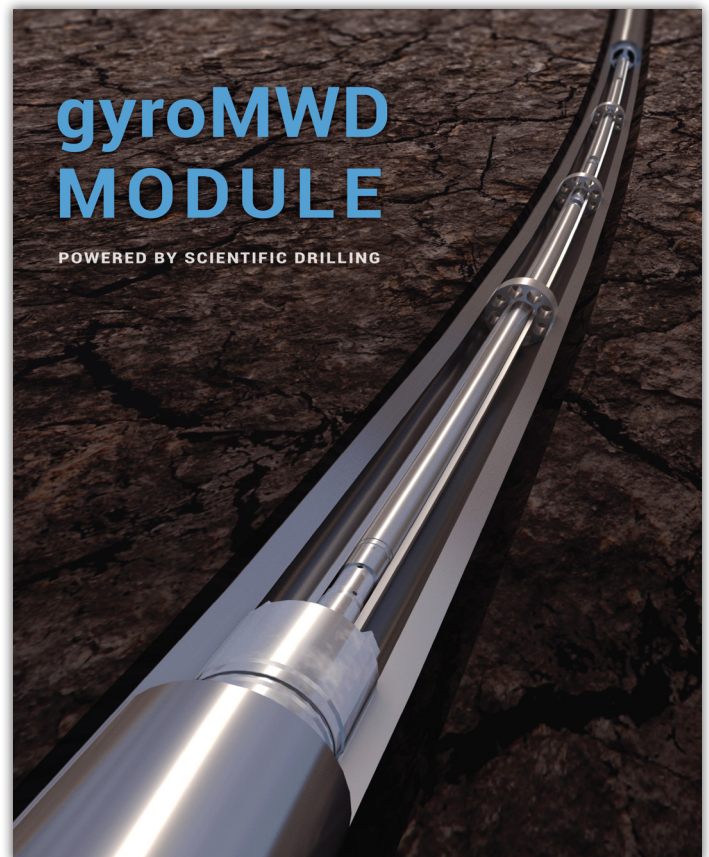
While tripping in the hole with a Schlumberger conventional steerable BHA, the customer encountered a tight spot and experienced difficulty re-entering the sidetrack. Standard magnetic measurements from Schlumberger's TeleScope MWD could not be relied upon for orientation due to the presence of magnetic interference from the casing.

SCIENTIFIC SOLUTION

Scientific Drilling's gyroMWD Module was utilized in conjunction with a Schlumberger MWD system, to provide real-time gyro tool face. This enabled the customer to orient the BHA in the presence of magnetic interference and successfully re-enter the sidetracked wellbore. The module was then used to provide a secondary survey to check the validity of those affected by the faulty decodes. In all, more than 30 real-time and 40 memory surveys were received, which closely correlated with the original measurements.

CUSTOMER VALUE

The gyroMWD Module allowed for the BHA to successfully make it to bottom despite the presence of magnetic interference from casing. It also validated the location of the assembly, giving the customer the confidence to drill ahead. As validated by the customer, this eliminated the need to run a wireline gyro tool or resurvey the well, leading to significant time and cost savings.



gyroMWD Module

Scientific Drilling's gyroMWD Module's innovative design enables the ultimate compatibility with third party MWD & RSS systems and is a proven solution for complex applications such as sidetracks/re-entries, collision avoidance and survey validation.

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