

CASE HISTORY

gyroMWD MODULE SUCCESSFULLY COMPLETES COMPLEX DRILLING OPERATION

APPLICATION

Collision Avoidance

TECHNOLOGY

gyroMWD Module

LOCATION

Gulf of Mexico

CUSTOMER CHALLENGE

The operator needed to ensure the well was steered to the 28" casing point, while utilizing a third party LWD tool. The directional drilling team was also required to nudge the well 3° before dropping it back down to vertical. An accurate tool face measurement was critical to completing the operation.

SCIENTIFIC SOLUTION

Scientific Drilling's gyroMWD Module was run in conjunction with a third party rotary steerable system to provide the accuracy needed. The module was able to talk down to both the third party RSS and LWD systems, as well as transmit the data back up to the surface. This allowed for direct two-way communication with SDI's gyro survey tool. The gyro was able to provide an accurate gyro tool face that met the intended well profile, ultimately allowing the customer to reach the targeted casing point.

CUSTOMER VALUE

The gyroMWD Module enabled the operator the flexibility to gather third party data while utilizing SDI's accurate gyro for real-time measurements. The customer was able to complete the run without the need to trip out of the hole and re-log the interval. This saved the customer a substantial amount of time, delivering significant cost savings.



Scientific Drilling's gyroMWD Module