CASE HISTORY

gyroMWD MODULE RUN AVOIDS COLLISION IN HIGHLY CONGESTED ENVIRONMENT

APPLICATION

Collision Avoidance

TECHNOLOGY

gyroMWD Module

LOCATION

Gulf of Mexico (Viosca Knoll)

CUSTOMER CHALLENGE

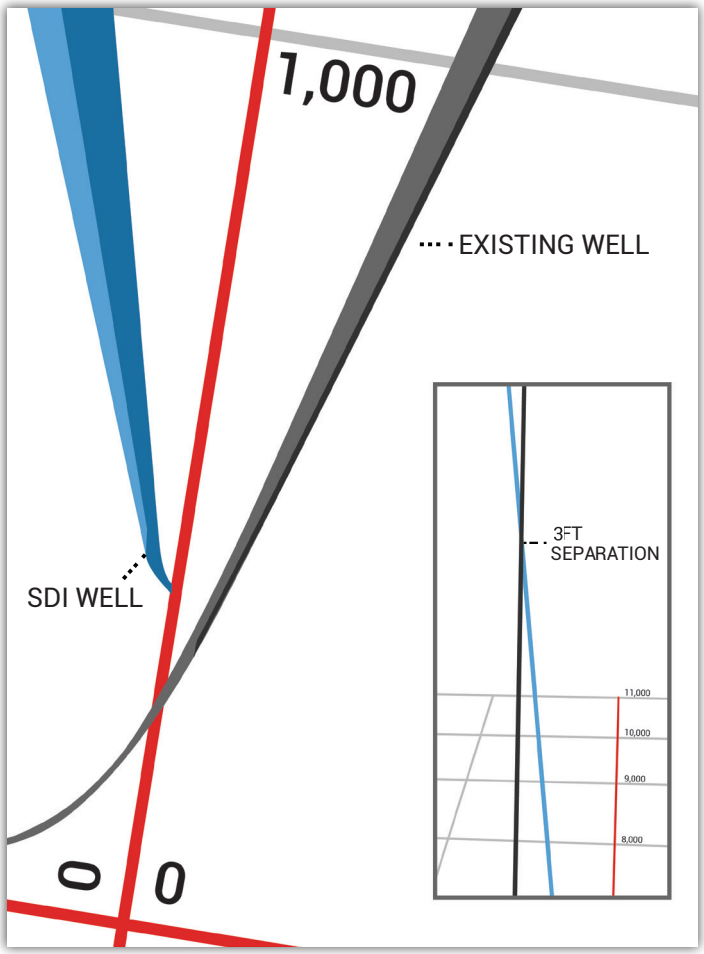
The surface hole section on a platform offshore was already complete and the customer wanted to drill ahead the next section. However, prior surveys already showed less than 5 ft separation (center-to-center) to an adjacent well, and the surface hole was still trending directly towards collision. This area is heavily congested and due to the close proximity of wells, magnetic surveys were not possible.

SCIENTIFIC SOLUTION

By utilizing Scientific Drilling's gyroMWD Module, accurate gyro surveys and tool face were obtained. The information gathered allowed the team to successfully steer away from the close proximity wells, avoiding collision. The gyroMWD Module provided gyro tool face, steering for 350 ft and definitive gyro surveys for nearly 1,400 ft before the BHA was clear of magnetic interference.

CUSTOMER VALUE

The gyroMWD Module delivered high accuracy surveys, as required within the highly congested environment. This guaranteed the well was drilled safely and accurately, meeting all of the customer's wellbore placement requirements. The accurate surveys avoided a collision and saved the customer substantial time and cost savings.



Top and Side Views of Executed Well Plan

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