

## CASE HISTORY

# gyroMWD MODULE HELPS ORIENT WHIPSTOCK AND SAVE WIRELINE TRIPS

### APPLICATION

Whipstock Orientation and Close Proximity Drilling

### TECHNOLOGY

gyroMWD Module

### LOCATION

Gulf of Mexico (Shelf)

### CUSTOMER CHALLENGE

Client required high accuracy directional surveys and real-time gyro tool face during a kick off in an area of high magnetic interference. At approximately 8,200ft the well took a kick from an abnormally pressured gas zone. The well was successfully brought under control and plugged. As drilling resumed, it was necessary to set a 16" whipstock to allow the well to be sidetracked.

### SCIENTIFIC SOLUTION

Surveys were taken inside the casing utilizing Scientific Drilling's gyroMWD Module to confirm the orientation of the whipstock. gyroMWD surveys were provided from 5759ft to 6412ft (measured depth). As the wellbore progressed, well inclination dropped below 3° degrees while still in a zone of high magnetic interference. The gyroMWD Module enabled directional control by providing real-time gyro tool face for over 400ft until the magnetic sensors were clear of the interference.

### CUSTOMER VALUE

The whipstock was oriented successfully and avoided the need for wireline surveys, saving the client an estimated 4-6 hours of rig time. Additional cost savings were delivered by supplying real-time gyro tool face, and eliminating the need for wireline steering.



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