

Case Study

ICEFIELD ENERGY

Meridian-GWD saves an offshore operator over 24 hours of rig time, and US\$150,000 in costs, in a tight anti-collision environment.

Summary

An operator encountered significant challenges while drilling a 16-inch hole section due to strong magnetic interference from an adjacent well, combined with tight anti-collision requirements. To maintain high-accuracy wellbore positioning in the magnetically disturbed zone, a Gyro While Drilling (GWD) system was deployed recording 37 surveys over 7 days of drilling. The GWD provided reliable gyro-based surveys until the conventional magnetic MWD tool could operate free of interference at approximately 2,000 ft. This approach resulted in substantial time savings: the operator saved 24 hours of rig time compared to the previous well, where extensive wireline gyro single-shot surveys had been required instead of a GWD solution.



Date:

- December 2025

Location

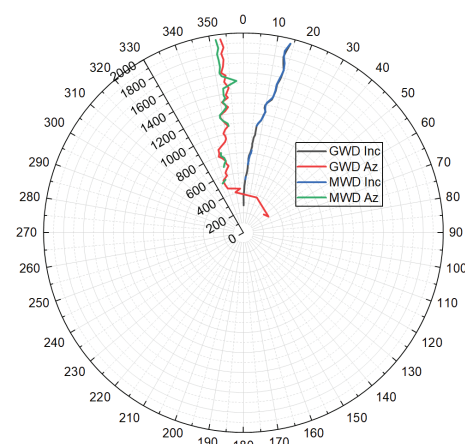
- Jack up - Gulf of Suez
- Egypt - Middle East

Well Details

- Depth: Surface to 2,000ft
- New well

Partners

- Tooltronix JAE
- Well Services Co



Objective

Drill the 16 in hole section from below the conductor shoe to a depth clear of magnetic interference from the adjacent well, employing a positive displacement motor (PDM) in combination with Gyro While Drilling (GWD) and mud-pulse MWD technology

Technology Used

Meridian-GWD integrated with ToolTronix MWD.

Results & Value Created

Over 24 hours of rig time was saved by using the Meridian-GWD system versus wireline deployed gyro tools. HSE risk was reduced due to no wireline operations and GWD personnel operated the system therefore no additional engineers were required.

