Case Study

PRECISION IN EVERY WELL

Meridian-GWD:
Enabling Operators to Drill Safely in the Tightest Anti-Collision Scenarios

Summary

Faced with a critically close offset well and severe magnetic interference in the 17½" hole section, the drilling team deployed WellServices Gyro While Drilling (GWD) technology to maintain precise, reliable wellbore positioning.

Over three drilling days, **28 high-accuracy gyro surveys** provided continuous directional confidence, enabling the team to safely navigate the challenging anti-collision environment until conventional magnetic MWD regained reliable accuracy at approximately 2000 Ft.

The operation minimized drilling delays, optimized operational efficiency, and maintained strict anti-collision control—**delivering measurable time savings without compromising wellbore safety.**

Objective

Drill ahead through the 17½" hole section, from below the conductor shoe until sufficient clearance is achieved from magnetic interference caused by the adjacent conductor.

The operation combines a Positive Displacement Motor (PDM), Gyro While Drilling (GWD), and mud-pulse MWD to maintain reliable directional control, accurate wellbore positioning, and safe anti-collision management throughout the interval.

Technology Used

Meridian-GWD integrated with ToolTronix MWD.

Results & Value Created

Meridian-GWD enabled safe, collision-avoidant drilling in a challenging anti-collision zone, ensuring precise wellbore positioning despite severe magnetic interference.

Compared with traditional wireline gyro single-shot surveys, the technology delivered significant operational efficiency, **saving more than 24 hours of rig time** while maintaining reliable directional control.

The result: faster drilling operations, reduced rig time, enhanced operational safety, and minimized collision-related risks—without compromising wellbore integrity.

Date

- January 2026

Location

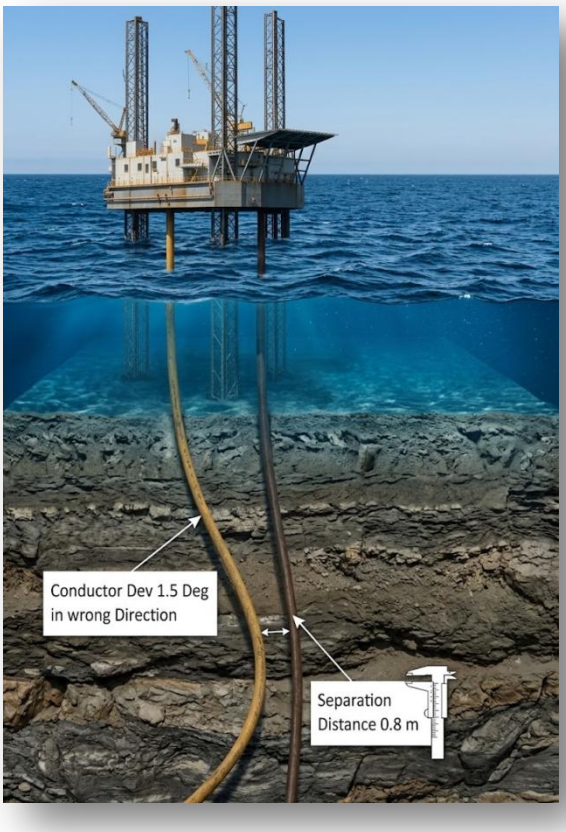
- Jack up drilling rig
- Mediterranean Sea
- Egypt - Middle East

Well Details

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

Partners

- IceField Corp.
- Tooltronix JAE



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Case Study

WELLSERVICES-GWD saves an offshore operator over 36 hours of rig time, and US$225,000 in costs, in a tight anti-collision environment.

Summary

7n operator encountered significant drilling challenges while executing a 16-inch hole section due to severe magnetic interference from an adjacent well and stringent anti-collision requirements. To maintain accurate wellbore positioning throughout the magnetically disturbed interval, WellServices deployed the Meridian Gyro While Drilling (GWD) system, delivering 37 reliable gyro surveys over seven drilling days. GWD maintained accurate directional measurements until conventional magnetic MWD could operate reliably, once clear of magnetic interference at approximately 2,000 ft. By replacing extensive wireline-deployed gyro single-shot surveys with an integrated GWD solution, the operation achieved more than 36 hours of rig time savings, while improving operational efficiency and reducing HSE exposure.

Date:

- December 2025

Location

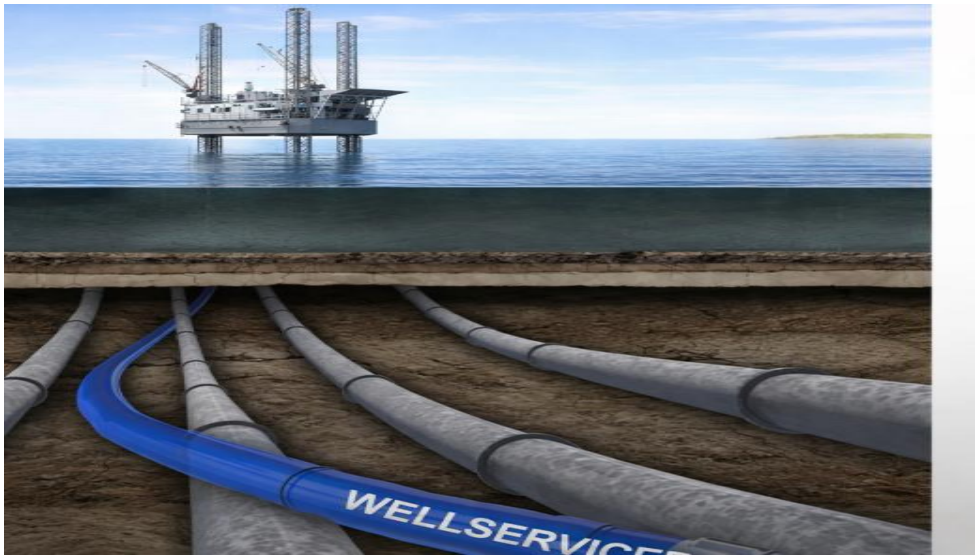
- Jack up - Gulf of Suez
- Egypt - Middle East

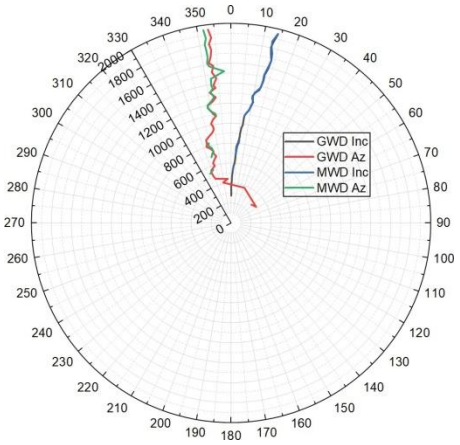
Well Details

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

Partners

- IceField Corp.
- Tooltronix JAE





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 36 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.

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