CASE STUDY

NORTH SEA OPERATOR UTILIZED GWD40 TO COMPLETE 5 OFFSHORE WELLS 6.5 DAYS AHEAD OF SCHEDULE

▶ **TECHNOLOGY**
– GyroGuide GWD40™

▶ **APPLICATION**
– Gyro While Drilling

▶ **LOCATION**
– North Sea, Norway

INDUSTRY CHALLENGE + OBJECTIVE

An operator in the North Sea, Norway, was looking to drill and set five slots of 30-inch conductor on a 48 slot platform ahead of, or on, the planned timeline. Each well was to be drilled from the spud at 188 meters to a total depth at approximately 350 meters, in challenging surveying conditions due to the tophole riserless setup. Maintaining verticality for each conductor was critical due to the close proximity of each slot ensuring no future slots would be impacted or lost.

TECHNOLOGY + SERVICE SOLUTION

☐ Gyrodata was called on to deploy our GyroGuide GWD40 system with it's Intelligent Mode Tool (IMT) feature for increased survey accuracy in challenging top hole drilling situations over conventional survey systems.

☐ Surveys needed to be collected in riserless conditions with minimal surveying time utilized, with GWD40 helping to steer the BHA to the accurate total depth, all while maintaining verticality as per planned objective.

☐ The GWD40 battery was disconnected at the completion of each run, prior to racking the BHA, to maximize battery life, allowing all five wells to be drilled with one assembly.

RESULTS + VALUE DELIVERED

☐ Gyrodata was able to successfully deliver its part of the operation, ensuring the Operator was ahead of the "Perfect Well" planned timeline in drilling and casing the conductors in 2.5 days.

☐ GWD40 allowed Gyrodata to save time on wireline surveys throughout the section. This saved rig time approximately 40 minutes per survey on five wells totaling 17.5 hours on the project.

☐ Using GWD40, operators completed five wells at 162 meters each bringing the drilling total to 810 meters drilled.

☐ Gyrodata was an integral part of the drilling team to help optimize the drilling and casing operations, improving the campaign's longest conductor setting from 6.5 days down to 2.1 days.

Batch Drilling Top Hole Operations

gyrodata