

CASE STUDY

GYROGUIDE REVEALS AZIMUTH AND INCLINATION DISCREPANCIES VERSUS COMPETITOR GYRO THAT LED TO UNNECESSARY MILL RUN AND 3 ADDITIONAL OPERATING DAYS

▶ TECHNOLOGY

- GyroGuide™ gyro surveying system

▶ APPLICATION

- Wellbore placement
- Survey verification

▶ LOCATION

- SCOOP/STACK

INDUSTRY CHALLENGE + OBJECTIVE

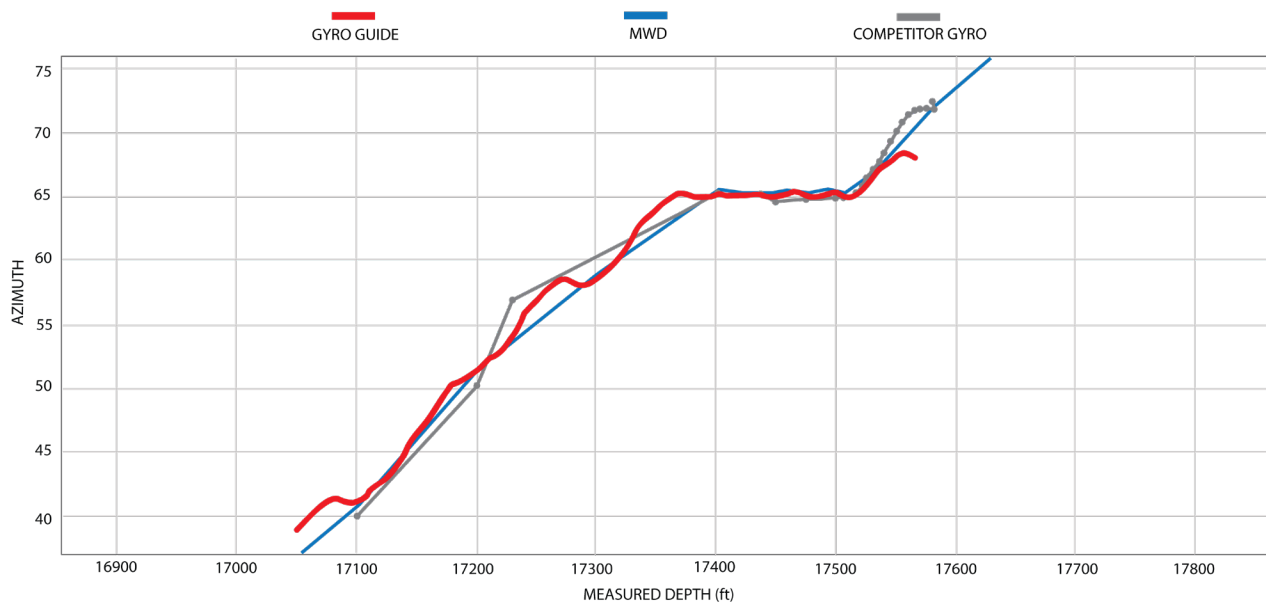
An operator in the SCOOP/STACK was drilling a well and believed they were tracking the casing high-side left. The original plan was to plug and abandon the well, but they decided to run a gyro survey first, and a competitor gyro company was called out. Based on the competitor gyro surveys, the operator decided to make an additional mill run and extra logs. However, the gyro survey data obtained from the competitor tool showed a significant discrepancy versus the original MWD data. The variance between the two data sources gave the operator pause with proceeding further on the plan, with them requesting we run our GyroGuide system for verification purposes.

TECHNOLOGY + SERVICE SOLUTION

- Our GyroGuide gyro surveying system provides high-accuracy wellbore placement with positional, orientation, steering, and continuous surveys.
- GyroGuide technology is capable of running up to 250 ft/min in continuous mode from vertical to horizontal while traversing in or out of the well.

RESULTS + VALUE DELIVERED

- After successfully surveying the section, we found multiple azimuth discrepancies with our system versus the competitor gyro. At approximately 17,520 ft, the competitor gyro had indicated the need for a mill run. Additionally, the surveys indicated an incorrect bottomhole location at almost 5° higher inclination.
- The bad data caused the operator to perform a second mill run and extra logging that were completely unnecessary, costing them 3 days of additional rig time. Had they used our GyroGuide system in the first place, they would not have had this problem.



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