

CASE STUDY

GYROGUIDE HELPS OPERATOR IN LOUISIANA DRILL PRECISE INTERCEPT WELL AFTER BLOWOUT

▶ TECHNOLOGY

- GyroGuide™ gyro-while-drilling (GWD) system

▶ APPLICATION

- Wellbore intervention
- Wellbore placement
- Directional drilling

▶ LOCATION

- Louisiana

INDUSTRY CHALLENGE + OBJECTIVE

An operator in Louisiana previously had a blowout and needed to drill an intervention well to intercept and kill the damaged wellbore. The operator required a technology that would allow them to continue taking directional surveys while drilling through zones of magnetic interference, as well as one that would enable precise wellbore placement as the intercept well approached the final intersection. To accomplish this goal, the operator decided to use our GyroGuide GWD system.

TECHNOLOGY + SERVICE SOLUTION

- The GyroGuide GWD system provides enhanced collision avoidance through real-time knowledge of wellbore position, enhancing performance and safety.
- The system enables continuous steering gyro toolface to be measured while drilling the directional well through areas where typical MWD tools would have failed due to magnetic interference.
- The system ensures precise wellbore guidance for trajectory placement, which was critical in this application.

RESULTS + VALUE DELIVERED

- We successfully helped the operator take high-accuracy surveys through areas of magnetic interference where traditional MWD surveys would not have returned accurate information on the wellbore.
- We successfully helped the operator accurately place the intervention well alongside the target well so that it could be milled into and displaced from surface for the final kill.
- Through 25 total runs, we traversed a total of almost 598,000 ft with run and operational efficiency at 100% and zero HSE incidents recorded over the 4-month campaign.

RUN EFFICIENCY



TNR-UR/TNR

OPERATIONAL EFFICIENCY



TRT-TNPT/TRT