

CASE HISTORY

MagTraC MWD RANGING™ - SUCCESSFULLY P&A'S A COMPLEX WEST TEXAS WELLBORE

APPLICATION

Plug & Abandon and Wellbore Intercept

TECHNOLOGY

MagTraC MWD Ranging™ and gyroMWD

LOCATION

West Texas

CUSTOMER CHALLENGE

After several attempts to recover a tubing fish and parted casing, the client eventually decided to P&A the well. The initial plan was to drill to ~ 3,000 ft MD, set a cement plug for sidetracking and offset the wellbore utilizing ranging. The goal was to then track the wellbore position until the final target intercept depth was reached.

SCIENTIFIC SOLUTION

Scientific Drilling's MagTraC MWD Ranging™ and gyroMWD solutions were utilized for wellbore placement and a gyro survey was run to confirm the position of the fish. A cement plug was set and the well was sidetracked utilizing ranging to monitor the offset position.

The initial offset was 18 ft and brought back to ~ 5 ft at 5,200 ft. At that time, shorter ranging shots were taken to verify the target was close. The final ranging shots were taken at 5,758 ft when SDI intercepted the target.

CUSTOMER VALUE

The wellbore was successfully P&A'd and the client was able to satisfy all regulatory abandonment requirements.

TESTIMONIAL

"Good synopsis of the job. I'm pleased with the end results. I appreciate your attitude in taking some ownership in this project, also I applaud your work ethic and communication skills. You did exactly what you said you would do in the prespud meeting. Your level of professionalism is not often seen in our industry today.

To all other Scientific personnel involved in our project, I appreciate all you guys stepping up and helping make this job a success. It was nice to work with a group that conducts themselves in a professional manner and gets the job done!"

- Drilling Superintendent

