

# CASE HISTORY

## MagTraC MWD RANGING™ - HELPS CLIENT AVOID COLLISION

### APPLICATION

Collision Avoidance

### TECHNOLOGY

MagTraC MWD Ranging™

### LOCATION

California

### CUSTOMER CHALLENGE

A well being drilled from a pad location suddenly experienced high magnetic interference from an offset well that had no directional surveys available. The customer suspended drilling due to concerns of potential collision to pursue remote MagTraC analysis of the situation. The proximity of the offset well had to be determined before drilling ahead.

### SCIENTIFIC SOLUTION

A Scientific Drilling MagTraC specialist instructed the onsite 3rd party MWD personnel regarding the procedure to obtain the necessary MWD data for SDI to perform the initial MagTraC MWD Ranging™ analysis. Based on the data collected from the in-hole MWD system, MagTraC determined that the offset well was five feet in a specific direction from the well currently being drilled. This information allowed the customer to mitigate the collision concern and drill ahead safely.

### CUSTOMER VALUE

There was minimal interruption to the drilling program. The elapsed time between initial contact of SDI MagTraC personnel and delivery of the ranging solution was less than four (4) hours.

The actual ranging analysis was completed in less than thirty minutes once the necessary data was obtained and transmitted by the 3rd party MWD company.

MagTraC MWD Ranging™ provided a solution to the customer's unexpected problem efficiently and did not require a trip or special tools and personnel to be mobilized.



No directional surveys were available on the offset well.

MagTraC MWD Ranging analysis determined the distance and direction to the offset well.

Current well was building angle and offset well was dropping so decision was made to drill ahead.