

CASE HISTORY

MagTraC MWD RANGING™ PLACES WELLS WITHIN TIGHT SPACING REQUIREMENTS

APPLICATION

Twinning and Kick-Off Assurance

TECHNOLOGY

MagTraC MWD Ranging™ and gyroMWD

LOCATION

Saskatchewan, Canada

CUSTOMER CHALLENGE

Due to government restrictions, the customer was required to drill two boreholes to run electrical cables from surface to an existing underground mine. The spacing between the two wellbores was critical and had to be maintained at a 2.5 to 3.5 m distance. Drilling in close proximity with such tight spacing is an extremely complex operation in this area.

SCIENTIFIC SOLUTION

Scientific Drilling provided directional drilling services, combined with their gyroMWD and MagTraC MWD Ranging™ to deliver the high accuracy solution the customer required. The first well was drilled utilizing gyroMWD to confirm the position and accurately place the well. The upper section was drilled using gyroMWD to obtain the ideal separation from the first well after kick-off point. Ranging services were then utilized to drill the lower section, ensuring a 7 m separation at a depth of 468 m. Additional ranging shots were taken to show a separation of 3.8 m at a depth of 485 m and a separation of 2.5 m to 2.9 m at a depth of 509 m - 533 m.

CUSTOMER VALUE

By utilizing SDI's high accuracy technologies, the customer was able to complete both wellbores and accurately place the power lines to the underground mine with no disruptions to current operations. This saved the customer rig time and a significant amount of cost savings.

This project happened to be SDI's 500th MagTraC MWD Ranging™ operation to date.

