

CASE HISTORY

MagTraC MWD RANGING™ BYPASSES FISH TO RE-ENTER OPEN HOLE

APPLICATION

Fish Bypass
and Re-entry

TECHNOLOGY

MagTraC MWD Ranging™
and gyroMWD

LOCATION

Ohio

CUSTOMER CHALLENGE

The customer was challenged with a 458 ft fish in the top hole section above the curve between 6,686 ft and 7,144 ft. They needed to bypass the fish and re-enter the open hole below in order to run casing and complete the well. The state of Ohio does not allow a second lateral to be drilled in close proximity to the first due to fracing concerns when close to an open wellbore. A complex re-entry was the customers' only option to continue operations.

SCIENTIFIC SOLUTION

SDI directionally drilled the well utilizing MagTraC MWD Ranging™ and gyroMWD services for accurate placement. A plug was set above the fish at 6,300 ft and drilling commenced, using MagTraC and gyroMWD services to detect the fish. Nine ranging shots were taken between 6,688 ft and 7,043 ft MD to locate the fish and position the active wellbore. SDI then intercepted the bottom of the fish and re-entered the open hole just below 7,144 ft MD on the first attempt.

CUSTOMER VALUE

SDI's MagTraC MWD Ranging™ and gyroMWD services accurately determined the location of the fish and ensured a successful intercept of the open hole. SDI completed this on the first attempt, ultimately saving the customer significant time and cost savings.

