

CASE HISTORY

MagTraC MWD RANGING™ SAVES THREE WEEKS OF RIG TIME

APPLICATION

Fish Bypass /
Production Recovery

TECHNOLOGY

MagTraC MWD Ranging™,
Continuous Btotal™, and
EM gyroMWD

LOCATION

Canada

CUSTOMER CHALLENGE

While preparing to sidetrack a vertical well, an unrecoverable fish (40m of DP) was left in hole. The client wanted to recover the original wellbore, drill up the lower cement plug, and run casing to the bottom. The challenge was to guide a sidetrack beside the fish, without intercepting it, and drill into the open hole below it. This would then allow the directional company to drill out the lower plug and recover the original wellbore.

SCIENTIFIC SOLUTION

Scientific Drilling's EM gyroMWD with the Continuous Btotal™ feature plus MagTraC MWD Ranging™ were used to kick off the upper plug and position the wellbore at an optimum offset to the top of the fish. Ranging went alongside the fish until 2199m MD confirmed that the remedial well had cleared the bottom of the fish. The gyroMWD was laid down and drilling continued, with the remedial well intercepting the target well below the fish, allowing the operator to drill up the lower cement plug and access the OH below the plug as planned.

CUSTOMER VALUE

With the MagTraC MWD Ranging solution, the client was able to safely recover the well at 3280m and avoid a major plug back operation. This shaved off three weeks of rig time, delivering significant cost savings.

TESTIMONIAL

"Utilizing Scientific's EM gyroMWD in conjunction with SDI's MagTraC MWD Ranging system, we were able to successfully bypass a fish stuck in hole at ~2000m and intercept the hole below, saving three weeks' worth of rig time by accessing the the previously drilled hole below. Scientific Drilling's personnel were organized and professional, both in dealing with Paramount directly and our directional service provider. They provided seamless communication on the rig, locally here in Calgary, and through their data center in Aberdeen. I highly recommend Scientific Drilling's service and their MagTraC ranging technology to any colleague or company looking for similar applications."

- Paramount Resources

