CASE HISTORY

MagTraC MWD RANGING[™] AIDS CLIENT IN MEETING REGULATORY REQUIREMENTS

APPLICATION

Wellbore Intercept / Plug & Abandon

TECHNOLOGY MagTraC MWD Ranging[™] and gyroMWD

LOCATION

West Texas, USA

CUSTOMER CHALLENGE

A 1942 well had damaged casing at 3577' with a tubing fish below the casing, thus preventing surface access and a conventional P&A.

The regulatory agency required the well to be abandoned at a depth of 4450'. The client planned to drill a remedial well to execute the P&A work and then set a plug, sidetrack, drill a new horizontal, and complete the wellbore in a new target location.

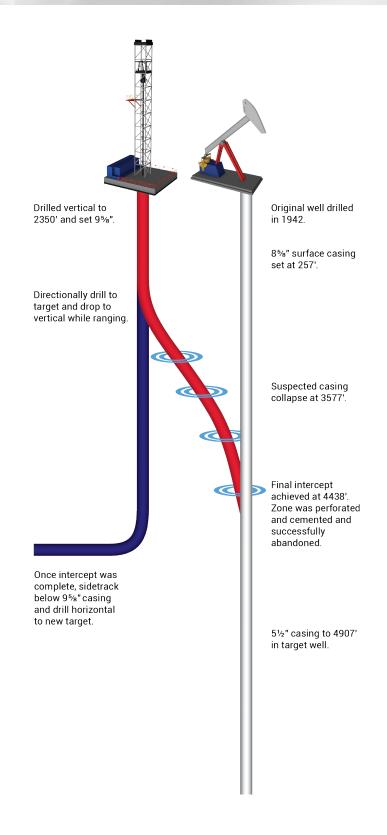
SCIENTIFIC SOLUTION

The new wellbore was directionally drilled towards the target well and SDI's gyroMWD and MagTraC MWD Ranging[™] were used to detect the target wellbore position. MagTraC was used to guide the remedial wellbore toward the target well until it was intercepted. The target well was successfully perforated and cement pumped across the zone.

After setting a sidetrack plug, the wellbore was kicked off and a horizontal section drilled to a new target location.

CUSTOMER VALUE

The client successfully P&A'd the inaccessible zone while satisfying the regulatory abandonment requirements in a very timely manner. In addition, the client was able to capitalize on the new remedial wellbore by sidetracking, drilling and completing a new lateral producer.



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