CASE HISTORY

E-FIELD MWD TOOL GIVES PRECISE INFORMATION IN DIFFICULT DRILLING ENVIRONMENT

APPLICATION

Drilling a Replacement Well Close to a Lease Boundary

TECHNOLOGY

MagTraC MWD Ranging[™]

LOCATION

Elko, Nevada, USA

CUSTOMER CHALLENGE

The customer needed to drill a new well to replace an existing well in a hard rock area. The new bottom hole location was close to a boundary line. Air-assisted drilling was needed in this formation, so conventional MWD was not possible.



SCIENTIFIC SOLUTION

Scientific Drilling used a premium rock bit and shock tools to assist in drilling this new well. Scientific Drilling provided a ruggedized E-Field MWD tool to obtain readings in this difficult drilling environment. The trajectory was plotted carefully and our proximity to the boundary line was controlled.



CUSTOMER VALUE

Scientific Drilling was able to drill in a difficult formation with the use of air-assisted drilling. Accurate information, needed to stay on-track relative to the bounary line, was obtained using Scientific Drilling's state-of-the art, ruggedized E-Field MWD tool. A standard MWD tool would not have been able to withstand the harsh conditions or transmit data through the air mist.

