

CASE HISTORY

SDI IMPROVES ABANDONMENTS IN CENTRAL VALLEY CALIFORNIA

APPLICATION

Plug and Abandonment,
Active Magnetic Ranging,
Passive Magnetic Ranging,
Gyro MWD, Well Interception,
Tubing Re-Entry

TECHNOLOGY

BlackShark, SynTraC, MagTraC, TiTAN 2 motor series, EM Gyro MWD, Keeper Gyro

LOCATION

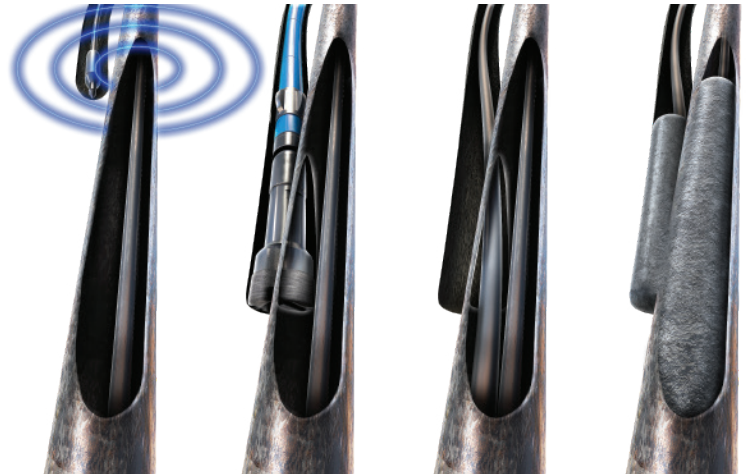
San Joaquin Valley,
California

CUSTOMER CHALLENGE

Existing wells within California's San Joaquin Valley routinely suffer damage from ongoing tectonic shifts. Proper abandonment procedures for existing wells within California's San Joaquin Valley are critical for the region's enduring operations. Traditional abandonment techniques were proving to be time-consuming and costly, so the customer turned to Scientific Drilling for an innovative solution.

SCIENTIFIC SOLUTION

Scientific Drilling planned and executed an abandonment program utilizing their complete suite of measurement tools and experienced well placement and PathControl experts. With the deployment of their proprietary Active Magnetic Ranging tools, Scientific Drilling was able to locate and intercept five target wells with precise alignment, resulting in successful eccentric milling and re-entry.



CUSTOMER VALUE

Scientific Drilling's technology and methodology provided the customer with substantial time and monetary savings. The result was significantly lower planned AFE for the customer, greatly improving their operational efficiency.

WELL 1

Ranging runs: 12
Intercept depth: 1094 ft.
Days planned: 14
Days actual: 10

WELL 2

Ranging runs: 10
Intercept depth: 942 ft.
Days planned: 14
Days actual: 8

WELL 3

Ranging runs: 10
Intercept depth: 975 ft.
Days planned: 14
Days actual: 6

WELL 4

Ranging runs: 8
Intercept depth: 906 ft.
Days planned: 14
Days actual: 6

WELL 5

Ranging runs: 8
Intercept depth: 1132 ft.
Days planned: 14
Days actual: 6