

CASE HISTORY

CLOSE INTERVAL GYRO SURVEYING EXTENDS WELL LIFE & PRODUCTION

APPLICATION

Close Interval Wireline Surveying
(Rod Guide Placement and
Production Recovery)

TECHNOLOGY

Wireline Keeper Gyro

LOCATION

Eagle Ford
(South Texas)

CUSTOMER CHALLENGE

Rod and tubing failures were occurring more frequently on a series of wells, compared to other wells in the same area.

These wells had to be pulled - not only costing the customer between \$15,000-\$40,000 each time, but also resulted in lost production.

SCIENTIFIC SOLUTION

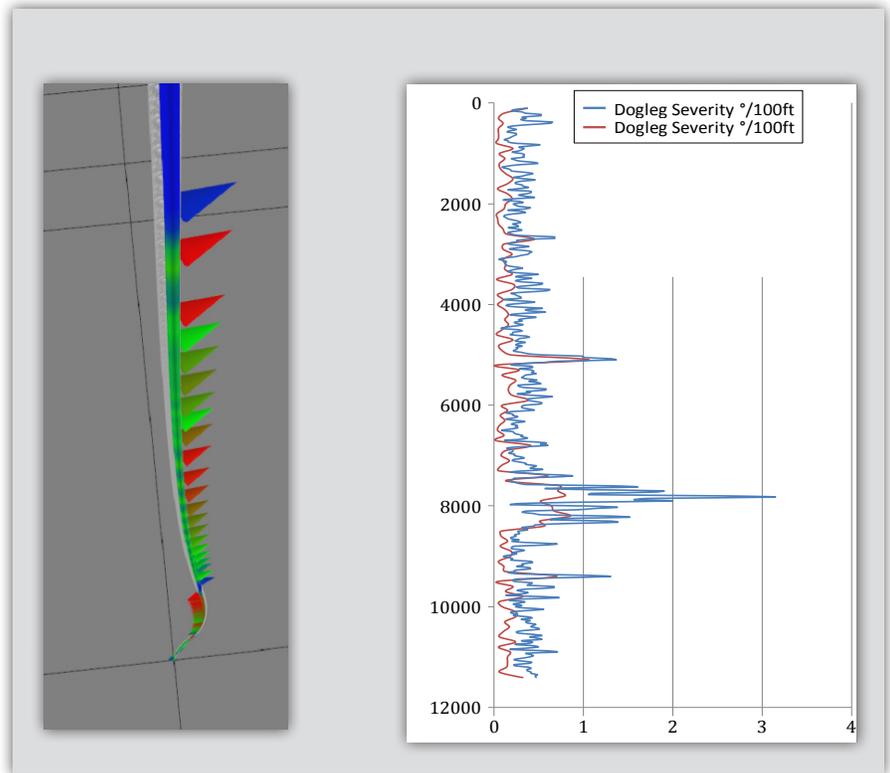
SDI's Keeper wireline gyro was utilized to provide very close interval surveying of the client's wells.

The Keeper was able to provide 5 ft. interval surveys highlighting micro doglegs in the well that were not previously shown due to the long survey spacing the MWD delivers.

CUSTOMER VALUE

The ability to see the micro doglegs enabled better design of the production string including rod guides in critical locations to reduce the side loading.

As a result the well life average of these problematic wells has been extended over 20% - delivering significant cost and time savings, and greatly increased the overall estimated ultimate recovery.



Side force (arrows) &
Bending Stress (color contour)

Dogleg Severity vs
Measured Depth