

# CASE HISTORY

## SDI'S MEMORY KEEPER CONFIRMS 100FT OF LOST PAYZONE

### APPLICATION

Survey Validation, Low Angle  
Drop Gyro Surveying

### TECHNOLOGY

Memory Keeper Gyro

### LOCATION

Anadarko Basin (TX)

### CUSTOMER CHALLENGE

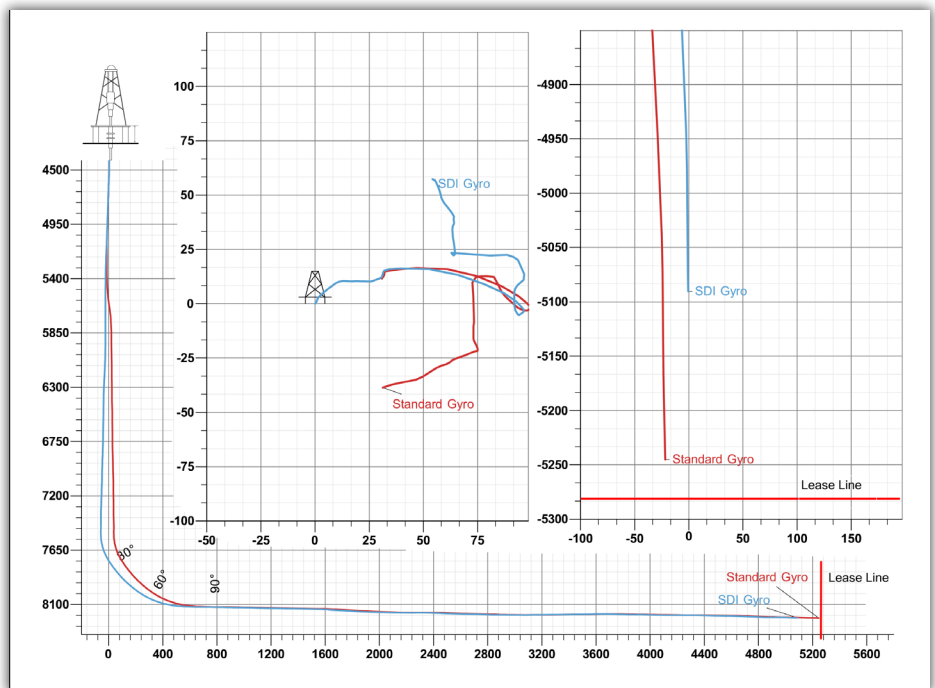
After drilling the vertical section of the well blind to kick off point, an alternative gyro provider surveyed the well with a drop gyro. When SDI drilled the curve and lateral it was noted with MWD check shots that the alternative gyro survey varied more 100° on azimuth and 5° on inclination in a magnetically clean environment.

### SCIENTIFIC SOLUTION

SDI's Memory Keeper Gyro was requested to provide the definitive gyro survey of the wellbore for validation. During the final trip out of the hole the drop gyro was used to resurvey the vertical section of the well. After processing the data the SDI gyro was found to match the MWD surveys and placed the well 100 ft north of the original survey.

### CUSTOMER VALUE

It was determined that due to the inaccuracy of the alternative gyro surveys, the client had stopped the well 100ft short, leading to **100 ft of recoverable production - an estimated \$235,000 of revenue.** With the average revenue around 10 million over the life of local wells, the cost of a poor survey proves to be rather significant.



### SURVEY COMPARISON

Scientific Drilling vs Alternative Survey Provider