

## CASE HISTORY

# TITAN 22 DRILLS EXTENDED LATERAL IN ONE RUN

### APPLICATION

Directional and Horizontal Drilling

### TECHNOLOGY

Titan 22 - Performance  
Drilling Motor

### LOCATION

Permian Basin (Wolfcamp)

### CUSTOMER CHALLENGE

The customer needed to drill a 10,205 ft lateral section of a horizontal well in the Wolfcamp formation of the Permian Basin. The Wolfcamp formation presents an undulated pay zone of sandstone, shale and limestone, which challenges even the most efficient drilling equipment.

### SCIENTIFIC SOLUTION

Scientific Drilling (SDI) was selected to provide the appropriate technology to meet the requirements of the extended reach horizontals. SDI ran the 6.5" 7/8 6.4 Titan 22 motor with a 1.50° fixed bent housing in the lateral. The 6.5" motor was downhole for 157 hours, drilled 8,615 ft in a single run and TD'd the well, using a 613 PDC drill bit with 18 mm cutters. The motor rotary drilled 90.75% of the time with a ROP of 98.75 ft per hour.

### CUSTOMER VALUE

The Titan 22 efficiently drilled the extended lateral section in one run, maximizing the customer's access throughout the wellbore for perforation and increasing production. The durability and performance of the motor, lack of NPT, and drilling the lateral in one run saved the customer a significant amount of time and money.

