

CASE HISTORY

TITAN MOTOR STABILIZES DRILLING, TRIPLES ROP

APPLICATION

Geothermal

TECHNOLOGY

Titan Series Mud Motor

LOCATION

San Jacinto-Tizate, Nicaragua

CUSTOMER CHALLENGE

The customer was concerned with low ROP in 26" and 17 ½" hole sections in which they were rotary drilling prior to directional work. The rig was running at a high RPM in an attempt to gain ROP, which led to extreme vibrations and jarring of the rig due to the hard formation. The rig was suffering excessive wear and breakdowns as a result..

SCIENTIFIC SOLUTION

Scientific Drilling adjusted a 9 ⅝" High Performance Titan Series Mud Motor to straight, stabilized the top and bottom, and added a shock sub just above the top motor stabilizer.

CUSTOMER VALUE

The vibrations and jarring of the drill string were greatly reduced, which virtually eliminated rig downtime and improved wellbore quality by reducing casing wear. The results of modifying the Titan motor doubled, and at times tripled ROP, leading to an overall savings in time and money.

