VectorZIEL™ Rotary Steerable System &
SPR Symmetric Propagation Resistivity

VectorZIEL™ 400 & SPR 400 enable first delivery of independent higher-tier LWD and RSS services in Russia

Technology

NOV'S VectorZIEL™ 400 rotary steerable system (RSS) is a integrated push-the-bit steering technology combined with closed-loop steering control which delivers increased ROP, smooth boreholes, and precise directional control in both directional and horizontal wells.

The Tolteq™ symmetric propagation resistivity (SPR) LWD tool creates high-quality resistivity logs at multiple depths of investigation. With a total of eight curves recorded into memory, the SPR tool has extremely high-resolution memory data with fast data dump capability.

Challenge

Provide an integrated RSS and resistivity LWD solution to enable an Independent Directional Driller in Russia to meet the directional control and LWD requirements of the E&P operator.

Results

An integrated VectorZIEL™ and SPR BHA successfully drilled the 1,487m (4,879') 6 1/8" horizontal section to TD in two runs over 235 total downhole hours. Three resistivity measurements were delivered in real-time, with a measurement point of just 10.7m (35') from the bit.

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