

CASE HISTORY

COUPLING SCI-QUEST™ RESISTIVITY AND SCI-DRIVER™ TO STAY IN ZONE

APPLICATION

Geosteering

LOCATION

East Texas, USA

TECHNOLOGY

Logging While Drilling (LWD)

- **Sci-Quest™** Resistivity
- **Sci-Driver™** Near Bit Instrumented Motor Measurement While Drilling (MWD)

CUSTOMER CHALLENGE

A major operating company in East Texas was interested in drilling a horizontal well in the Travis Peak Formation. This was the first attempt by this operator to drill horizontally in this particular formation. Previous drilling in the Travis Peak had been vertical wells only. Some of the drilling challenges included landing the curve correctly within the Travis Peak zone of interest and staying within this zone while drilling the lateral.

SCIENTIFIC SOLUTION

Scientific Drilling's Sci-Quest™ Resistivity Tool and Sci-Gamma™ were used to correctly land within the zone of interest. Once in the lateral, Scientific's Sci-Driver™ was added to the Bottom Hole Assembly (BHA) to provide Azimuthal Gamma Ray and Inclination readings about 6ft (1.8m) behind the bit. Using the deeper Depth of Investigation of the Sci-Quest and Azimuthal capability of the Sci-Driver, the client was able to stay within the zone for most of the lateral.

CUSTOMER VALUE

Scientific Drilling's Sci-Quest was combined with Sci-Driver, Sci-Gamma and MWD technologies that resulted in the client correctly landing in the zone of interest and staying within the zone for most of the lateral.



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