

CASE HISTORY

SCI-DRIVER™ & SCI-GAIN™ ACCURATELY PLACE WELL TO MAXIMIZE PRODUCTION

APPLICATION

Coalbed Methane (CBM) /
Coal Seam Gas (CSG)

TECHNOLOGY

Sci-GAIN™, Sci-Driver™,
Falcon EM MWD and gyroMWD

LOCATION

Europe
(Southern Poland)

CUSTOMER CHALLENGE

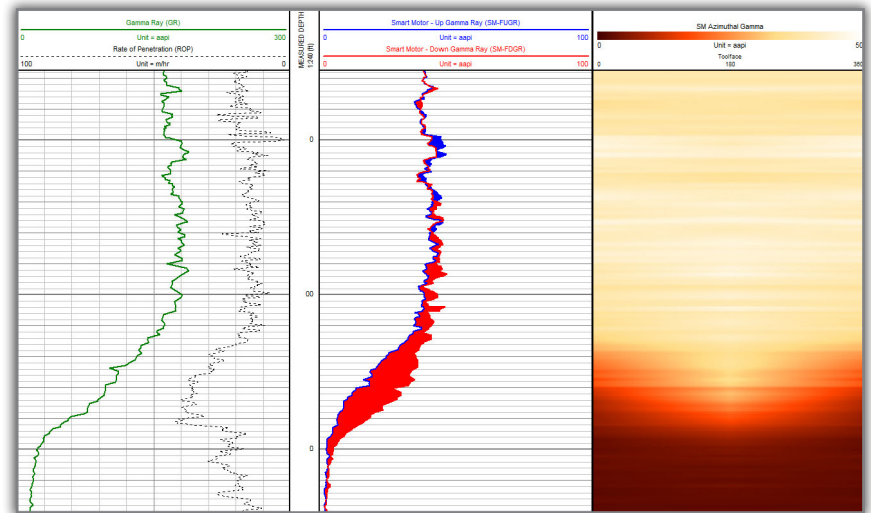
The customer planned to drill a horizontal CBM/CSG well and intersect an existing vertical well within a narrow coal seam. The project required high-accuracy technology to geosteer to remain in the zone of interest for optimal well placement and production.

SCIENTIFIC SOLUTION

Scientific Drilling was involved in the pre-planning process and leveraged their experience from similar projects in the UK and Australia. A magnetized mandrel was used for ranging to intersect the vertical well, as well as to minimize the bit offset and bending stresses on the bearing pack. The well trajectory was not only optimized for landing and intersecting the well, but also for increased torque and drag. SDI's Sci-Driver™ Near Bit Smart Motor, Sci-GAIN™ API Natural Gamma and Inclination, Falcon EM MWD and gyroMWD operated in conjunction to intercept the vertical well and geosteer the lateral to remain in the zone of interest, maximizing production.

CUSTOMER VALUE

The accuracy of the near bit measurements were instrumental in precisely landing the well and enabled a successful intersection of the vertical well. SDI provided a complete drilling solution to ensure smooth operations by eliminating the need for sidetracks or any other unnecessary corrections, saving the customer time and money. Due to SDI's high-accuracy drilling technology, they were able to correctly place the well the first time for optimal production.



GAMMA RAY LOGS

Measurements from the Sci-Driver™ and Sci-GAIN™ enabled efficient geosteering

Updated August 2015

Copyright © 2015 Scientific Drilling International