CASE HISTORY

MPNN IDENTIFIES MISSED HYDROCARBON ZONES, INCREASES PRODUCTION

APPLICATION
Reservoir Evaluation

TECHNOLOGY
Memory Pulsed Neutron
Neutron 1.625 (MPNN)

LOCATION
Gulf of Mexico

CUSTOMER CHALLENGE

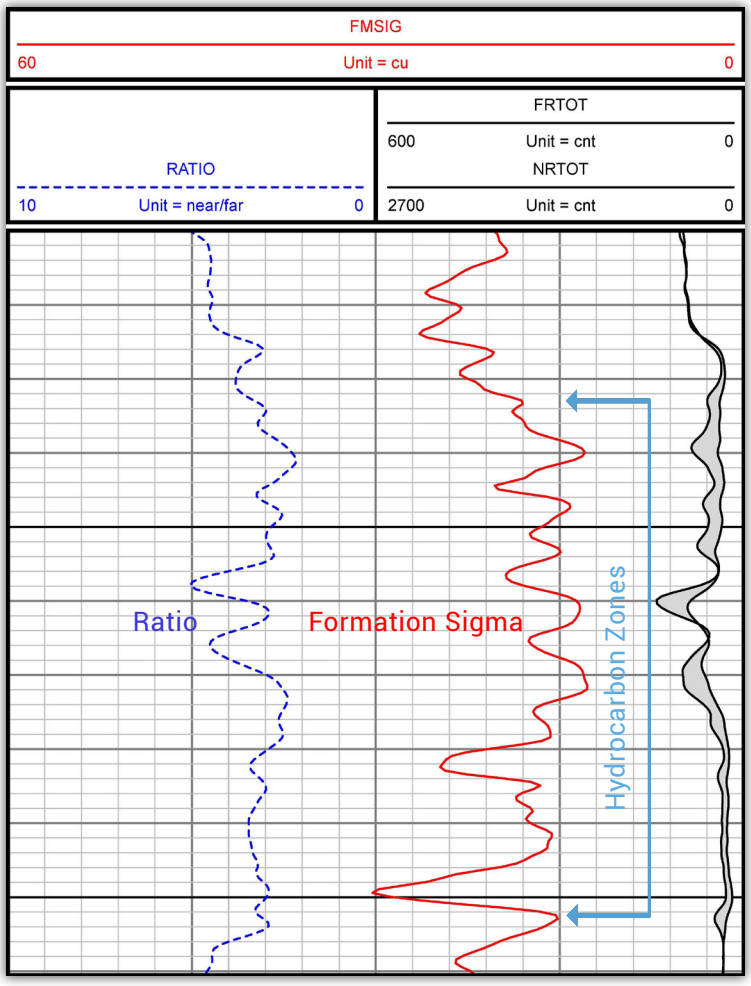
A well originally completed in 1970 was no longer producing and the customer needed to obtain pulsed neutron logging data to determine correct placement of perforations. Due to the size and path of the wellbore, the customer was unable to reach the necessary depth to obtain the data needed for accurate placement.

SCIENTIFIC SOLUTION

Scientific Drilling was selected for this project due to our unique Memory Pulsed Neutron 1.625 tool (MPNN). The slimmer diameter and shorter length of the MPNN, compared to similar tools in the industry, allowed it to pass through what was suspected to be corkscrewed tubing and reach the necessary depths to log.

CUSTOMER VALUE

The MPNN's compact size allowed the necessary data to be collected, which otherwise would not have been obtainable without pulling the production tubing. The customer was able to evaluate the zone of interest and select the optimal location to perforate, maximizing production and avoiding costly corrective action.



FORMATION NEUTRON LOG
MPNN identifies hydrocarbon bearing zones for perforation

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