

CASE STUDIES

NORTHERN IRAQ

OMV, BINA BAWL FIELD, 2011

BACKGROUND

Cougar Drilling Solutions was contracted to deliver effective directional drilling control in unconsolidated and lost circulation formations using an air/foam drilling mud system.

OBJECTIVES

To perform a sidetrack in highly unconsolidated and challenging formations using air/foam-drilling mud while bypassing the fish left in the original hole to reach the reservoir.

PROCESS

Applying effective logistical processes, Cougar DS mobilized the tools and service personnel on very short notice to replace existing services that were unable to receive MWD signal during drilling operations.

RESULT

Cougar DS successfully completed the sidetrack in a 12 ¼" section, and bypassed the fish in the hole. Cougar DS' high performance low speed/high torque motors and MWD system allowed us to deliver high performance drilling in an air/foam mud system with good signal quality. In total, Cougar DS drilled 1,262 meters in 270 hrs.

Cougar Drilling Solution's highly experienced directional drilling crew combined with fit-for-purpose technology enabled efficient drilling and transmission of the MWD signal in a difficult drilling environment. Cougar DS successfully completed the sidetrack, and reached the reservoir, beating the approval for expenditure (AFE).