

CASE STUDIES

TURKEY

BM HOLDING, GEOTHERMAL DRILLING

OBJECTIVES

- To drill to total depth (TD) as quickly as possible
- To penetrate the geological targets in a lost circulation environment
- To minimize the total non-productive time (NPT) associated with the hole problems
- To achieve zero NPT from Cougar DS equipment and services
- To reduce well cost and minimize wellbore stability risk

PROCESS

Applying Cougar DS' Optimized Well Delivery™ (OWD) process, Cougar DS created a bottom hole assembly (BHA) design with specialized geothermal downhole tools including a 6 ¾" MM4 mud motor, Cougar DS-APS MWD, and DJ6 drilling jars.

Highly skilled and experienced Cougar DS personnel used a real-time optimization process to apply drilling parameters that delivered a quality wellbore reaching the total depth in the shortest possible time.

RESULT

Cougar Drilling Solutions' geothermal directional drilling services enabled its client to deliver the well with limited rig capability, beating the approval for expenditure (AFE) by a full two days.

The section was drilled with >65% using rotary mode while passing through three critical-loss zones, and ensuring high quality wellbore.