

Directional Drilling Services

8 1/2" Section - OBM Drilling – Thrace Region, Turkey



**TURKISH
PETROLEUM**

Case History – January 2020

Background

- ✓ Cougar Drilling Solutions (CDS) is a preferred supplier of Directional and Performance Drilling Services to the oil, gas and geothermal exploration and development industry. TPAO awarded a well to CDS in European Turkey, with a planned TD of 4750m MD.

Objectives

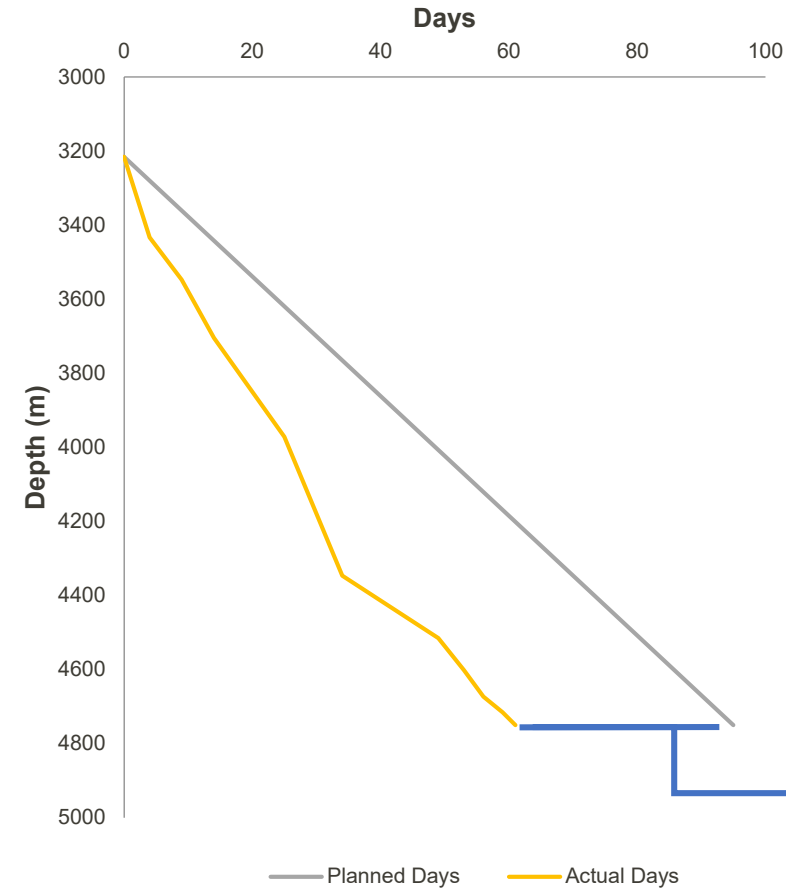
- ✓ To drill the well below AFE time and budget.
- ✓ To hit the planned target within the required tolerance.
- ✓ To maximize ROP and minimize number of runs in 8 1/2" section drilled with oil-based mud.

Results

- ✓ 424m of 8 1/2" section drilled with 1x MM5 Mud Lubricated Motor - 288 circulating hours.
- ✓ 375m of 8 1/2" section drilled with 1x MM5 Mud Lubricated Motor - 170 circulating hours.
- ✓ Temperature range of 8 1/2" section, 3215m–4750m, was between 110°C - 141°C.
- ✓ Directional drilling completed successfully by hitting the target.

Value

- ✓ Cougar Drilling Solutions' expertise combined with the high-performance MM5 Steerable Mud Lubricated Motor, equipped with suitable OBM high temperature stator, enabled customer to minimize number of runs and drill 8 1/2" section 34 days earlier than planned.



Drilled 1,535m of 8 1/2" section with OBM.

Cougar DS Mud Lubricated Motor (MM5) performed successfully in 110°C to 141°C temperature range.

Saved a total of 34 days.