

# CASE STUDIES

## IRAQ

DAQING PETROLEUM AND TPIC, RUMAILA FIELD

### BACKGROUND

Since 2010, Cougar Drilling Solutions has been working with Daqing Petroleum and TPIC to increase field well delivery in Iraq.

### OBJECTIVES

- To reach reservoir cost effectively
- Increase field well delivery performance and optimize approval for expenditure (AFE) for field development campaign

### PROCESS

Cougar DS' Optimized Well Delivery process implemented by highly experienced Cougar DS Performance Drilling engineers optimized the drilling plan and real-time drilling parameters to reach total depth (TD) in the shortest possible time.

### RESULT

In partnership with its clients, and with the customer operations team, Cougar DS was able to complete an efficient performance-drilling campaign with 20 cumulative motor runs with an average of 1,900 – 3,400m per run. In total, we drilled 13,127m saving our client a minimum of 25% of the well delivery cost.

In addition, Cougar DS was able to set field records for rate of penetration (ROP):

- Daqing: R511, 12.2 m/hr. (1 run, 117 hrs. drilling 1,429 m)
- TPIC: RU364, 13.1 m/hr. (1 run, 97 hrs. drilling 1,267 m)