

# CASE STUDIES

---

## CONGO

SOCIÉTÉ DE FORAGES PÉTROLIERS (SFP) JOINT VENTURE, 2011

### OBJECTIVES

- To reach the reservoir cost effectively
- To drill each section in a single bit and bottom hole assembly (BHA) run, and reach total depth (TD) optimizing well construction cost
- Capture best practices and implement knowledge management for the field development campaign

### PROCESS

Cougar Drilling Solutions collaborated with its client in a joint venture. We then educated our clients by giving them access to our expert team, and ensuring open communication with the rig-site office.

Cougar DS Directional Drilling Services used 8" and 6¾" high performance motors that, together with MWD/LWD systems, raised the bar of an average rate of penetration (ROP) in 12¼" section by 97% and >100% in the 8½" section.

### RESULT

Because Cougar DS and SFP Congo worked together, we made significant progress on each section.

In fact, progress was improved by 30% (17½"), 43% (12¼") and 130% (8½"). In total, Cougar DS was able to save its client roughly 25% of well delivery cost.

At present, Cougar Drilling Solutions — SFP joint venture has completed three out of six planned appraisal wells during 2011 drilling campaign ahead of the AFE and saving customer over \$5M in total well delivery cost.