OFFSHORE APPRAISAL WELL CASE STUDY

Forum Energy - Service Contract 72

Offshore Palawan, Philippines

AWT DISCIPLINES

Drilling Engineering

HSE Management

PROJECT BACKGROUND

The Sampaguita-4 appraisal well was planned to be drilled in the Sampaguita field located in the southern bank of SC 72 about 200km west of Palawan Island in the West Philippine Sea.

This was to be a vertical well drilled with a jack up rig in 76m of water to ~3400m TVD SS with the objective of intersecting 2 hydrocarbon bearing targets through the Eocene and Palaeocene formations.

Sampaguita-4 was to be evaluated with an extensive wireline and cased hole testing programme in order to test the geological and geophysical models developed for the field.

The well would then either be plugged and abandoned or suspended. A second appraisal well was also possible planned to further evaluate a field and access deeper targets in the Early Cretaceous.

AWT WORKSCOPE

The AWT well engineering team reported to the Forum Drilling Manager and was responsible for the developing following deliverables:

- Basis for Well Design
- Equipment specifications
- Casing Ordering Recommendation
- Well cost estimate
- Draft Drilling Program including casing design and formation evaluation plan
- Draft Crisis Management Plan
- Draft Emergency Response Plan
- Draft Health, Safety, Security and Environment Management Plan
- Draft Health, Safety and Environment Management System - Corporate

AWT ADDED VALUE

The well planning work provided a robust basis for achieving the well objectives and minimising operational drilling risk and cost.

This work enabled Forum to procure long lead equipment items in preparing for drilling the Sampaguita-4 well.

AWT assisted Forum in sourcing spare equipment from other operators to reduce the overall cost of the well.

Note: Drilling of the well deferred due to deteriorating the geopolitical situation.

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