

# WELL WORKOVER CAMPAIGN CASE STUDY

Sylhet Gas Fields Limited

Sylhet, Bangladesh

## AWT DISCIPLINES

**Drilling**

**Petroleum Engineering**

**Completions**

**Interventions/Workovers**



## PROJECT BACKGROUND

The objective of the workover campaign was to increase gas production from the fields. This was to be achieved by isolating depleted sand units, re-perforating existing producing intervals or add additional perforation intervals and verifying and/or restoring well integrity to the wells.

AWT was awarded a contract to support the workover of three wells but only one well, Kailashtilla-1, was identified by SGFL as a suitable candidate.

This well was drilled in 1961, with the last workover conducted in 1997.

The workover program included the following activities:

- Kill the well
- Isolate the Middle sands with a bridge plug
- Replace the tubing string and production packer
- Evaluate the casing and Upper reservoir with wireline logs
- Re-perforate the Upper sands

## AWT WORKSCOPE

AWT provided on-site workover supervision and engineering support. The team was responsible for:

- Preparing workover and re-completion programs
- Rig inspection and acceptance
- Supervision of rig crew and service company personnel
- QA/QC of operational activities
- Liaison with SGFL management, geology and production groups
- Coordinating materials requirements
- Preparing daily work instructions and daily operational reports
- Making engineering recommendations regarding well integrity, perforating and completion intervals
- Preparation of end of well completion reports

## AWT ADDED VALUE

- Even though the well was old with tubing integrity issues and the workover rig was very limited in capability, the workover was successfully completed and additional production and reserves were added
- The knowledge of the AWT supervisors allowed operations to continue, even though some rig equipment was non-operational or repairs were required following equipment failure
- Significant gas production supply capacity was added to the production system by rejuvenating the idle well
- HSE gaps were identified and operational practices were improved
- Operational efficiency showed considerable improvements over previous campaigns with a significant reduction in NPT

For more information contact:

Tel: (+603) 2162 3127 or visit our website at: [www.awtinternational.com](http://www.awtinternational.com)