

7 WELL WORKOVER CAMPAIGN CASE STUDY

Bangladesh Gas Field Limited (BGFCL)

Brahmanbaria, Bangladesh

AWT DISCIPLINES

Drilling
Petroleum Engineering
Completions
Interventions/Workovers

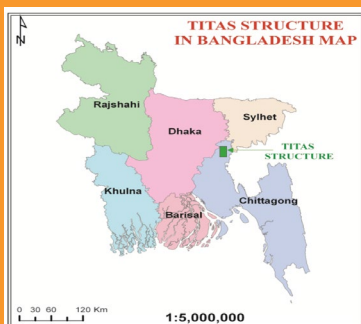


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PROJECT BACKGROUND

Location:

Located near the town of Brahmanbaria and approx. 100km to the east north-east of Dhaka. The Titas structure in the south-central part of the Surma Basin is an elongate north-south asymmetrical anticline measuring 23 x 10.5 km within the 4600m contour area.



Project Background:

BGFCL had a program to carry out workovers on existing gas production wells five wells and recompletion of two wells at Titas, Narsingdi, Habiganj and Bakhrabad gas fields. The objective of the workover and recompletion campaign was to increase gas production from these 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.

For more information contact:

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

AWT WORKSCOPE

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

- Preparing workover and completion programs
- Rig inspection and acceptance
- Supervision of rig crew and service company personnel
- QA/QC of operational activities
- Liaison with BGFCL 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 wells were old with tubing integrity issues and the workover rig was very limited in capability, the workovers were 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 wells.
- HSE gaps were identified and operational practices were improved
- Operational efficiency showed considerable improvements over previous campaigns with a significant reduction in NPT.