

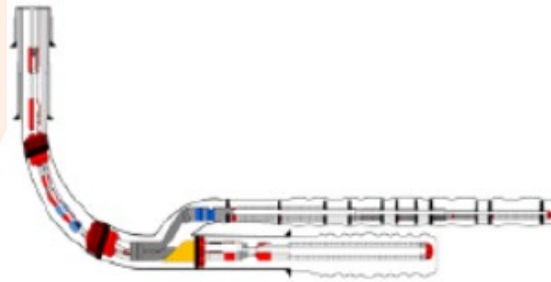
MULTILATERAL WELL COMPLETION CASE STUDY

Vermilion Oil & Gas Australia - WA-14L

Carnarvon Basin, Australia

AWT DISCIPLINES

Completions / Sand Control
Well Planning
Equipment Inspection & Preparation
Completion Supervision



PROJECT BACKGROUND

In 2005, Vermilion Oil & Gas Australia Pty Ltd (VOGA) acquired a 60% operated interest in the Wandoo field and in 2007 they acquired the remaining 40% interest.

The field is located in the Carnarvon Basin approximately 80 km off the northwest shelf of Western Australia,

Production is from two operated off-shore platforms, one of which (Wandoo B) is permanently manned.

The field was developed with extended reach horizontal wells and various infill drilling campaigns had previously been conducted.

In 2015 Vermilion commenced an infill project which involved the re-entry, multi-lateral side-track drilling and re-completion of three existing wells.

AWT WORKSCOPE

To support the Infill well project, AWT was involved in:

- Witnessing and inspection of completion equipment and service tools.
- Input in planning, coordination, operational procedures, risk assessment, lessons learned and managing service providers.
- Providing on-site supervision during the well workover and completion operations.

AWT ADDED VALUE

The complexity of these wells with drilling and completing the extreme extended reach wellbores, multilateral junctions, Intelligent well completions, pre-existing well Integrity conditions and SIMOPS, in the conjunction with the nature of the regulatory environment, the tight rig schedule and the downturn in global oil price provided many project execution challenges for Vermilion to overcome.

AWT contributed to the success of the project:

- The equipment preparation and inspection were rigorously conducted to assure the reliability and functionality of the equipment
- The pre-job planning and coordination were managed efficiently to meet the project's technical and commercial objectives.
- The on-site supervision of running the completions were carried out in a safe and efficient manner.
- The initial well performance of a wells met or exceeded pre-drill expectations

For more information contact:

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