



# THE WORLD'S FIRST RIGLESS PLATFORM WELL ABANDONMENT.

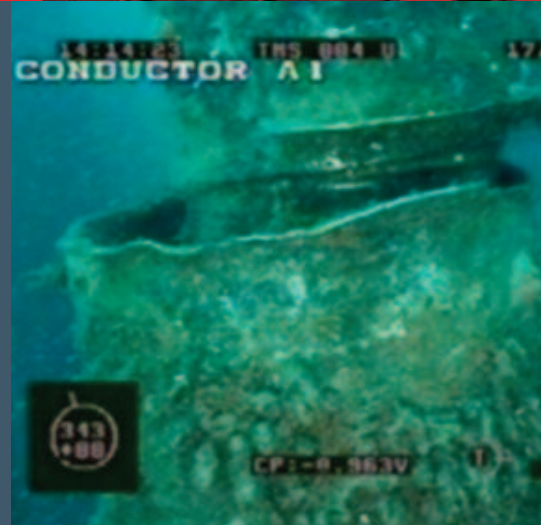
Claxton performed the world's first rigless platform well abandonment over a decade ago - developing a methodology that has subsequently been used on multiple slot and conductor recovery projects.



## THE PROBLEM

During 2003, a 38-year-old well in the Southern North Sea was identified as having suffered a corrosion fatigue failure of the 20" conductor approximately 6m below sea level. Consequently, the well was immediately shut in.

Claxton had already built an impressive track record of performing platform well abandonment/slot recovery on the Maureen, Esmond, Gordon, Beryl and Rijn platforms, and was an obvious choice for this well abandonment project.



Claxton's solution has subsequently been used multiple times - such as on this slot recovery for Maersk.

## THE SOLUTION

Claxton provided a conductor recovery system to interface with the Leman platform comprising lifting support beams, boom cranes and a hydraulic jacking system.

Much of this equipment was bespoke for the project and Claxton fast tracked this design and build activity to meet a tight weather window, as the operator was concerned the conductor would not survive the harsh North Sea winter.

The project required the full Claxton casing recovery package, including the positive-grip slip-type tension ring, drilling and pinning and bandsaw machines, to achieve a multiple casing string recovery of the 9 5/8" - , 13 3/8" - and 20" casings to surface.

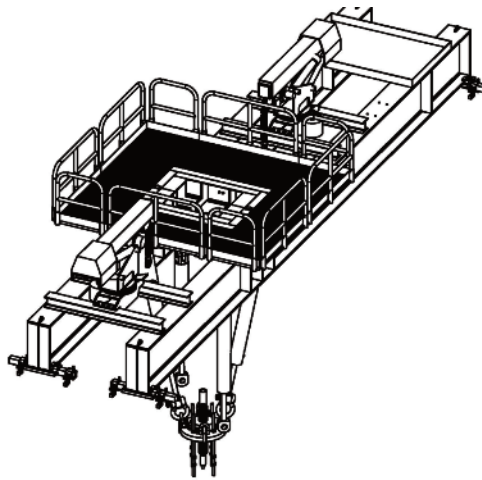
## THE RESULT

Claxton, working with other Acteon companies, successfully completed a totally rig-less well abandonment on the normally unmanned platform. This was achieved within the allotted timeframe.

All of the following activities were performed without using a rig:

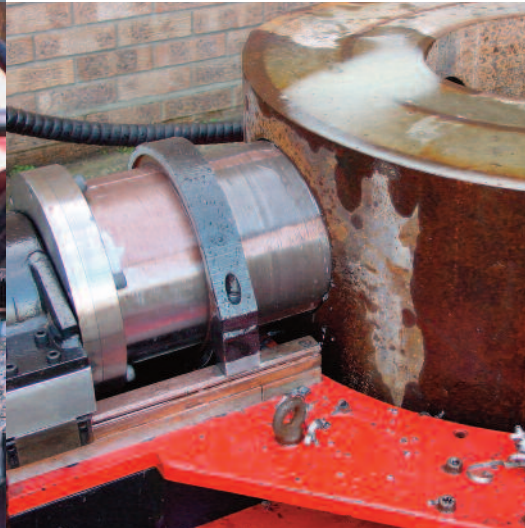
- downhole perforating and cementing operations
- subsea tree removal and tubing severance and recovery
- severance of the casing strings below the mudline
- recovery of the casing string.

The operator indicated that the overall operation was achieved at less than 50% of the cost of an equivalent rig-based solution.



Claxton designed and built this bespoke recovery platform/false rotary at short notice to interface with the Lemman platform and enable the abandonment to be carried out at a fraction of the cost of using a rig.

The fleet of tooling Claxton mobilised to abandon the well included tension rings to interface with the conductor, a hydraulic lifting package, casing bandsaws, drilling and pinning equipment, and lifting adaptors.

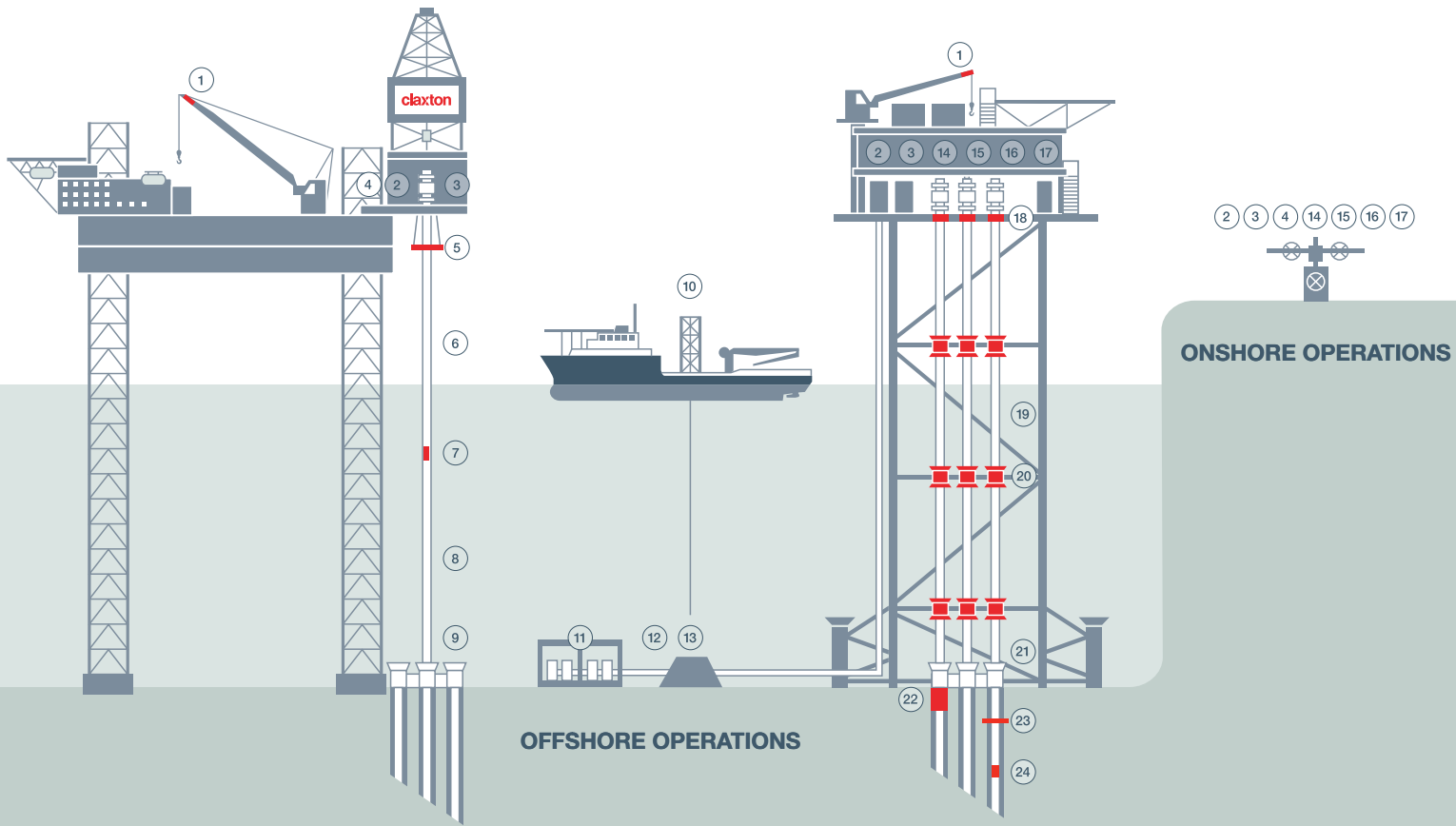




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