



# EFFICIENT PLUG & ABANDONMENT OF 57 NORTH SEA WELLS: MURCHISON AND NINIAN NORTH DECOMMISSIONING

## Project Overview

H&P delivered well plug and abandon (P&A) campaigns on the Murchison and Ninian North platforms for CNR International. The objective was to decommission 57 wells. A team of specialists from CNRI's drilling department was in charge of planning and overseeing the operations. H&P, working collaborative with Weatherford, was in charge of executing the work.



## Services Provided

Prior to the commencement of P&A operations, both rigs had to be operational and fit-for-purpose. The rig reactivation scopes, delivered by H&P's drilling and maintenance crew, ensured that all equipment was safely rebuilt, tested and certified in line with CNRI, H&P and industry requirements.



The P&A work was a collaboration between H&P, Weatherford and CNRI. Throughout the whole contract, all parties were fully engaged during the planning, decision making and work execution phases.

On a well-by-well basis, the operation involved the placement of a bottom cement plug through a rigless operation. Later, utilising the platform rig, two subsequent cement plugs were set, followed by the cutting and recovery of the surface casing string and conductors.

The drilling crew was made up of multi-skilled personnel who were also responsible for fishing, tubular running and casing pin/cut operations.



## Outcome Achieved

The team did not experience any safety incident over the course of the two campaigns. They also managed to reduce by 50% the time taken to P&A a well. A hydrocarbon-free environment was established in Murchison when 33 wells were successfully plugged and abandoned, averaging 31.5 days per well. The remaining 24 Ninian North wells were completed in an average of 15 days each. Overall, the Ninian North campaign finished 86 days ahead of the original schedule. A 20% people on board (POB) reduction was also achieved through collaborative multi-skilling of personnel.

An effective and collaborative team approach was the key enabler for success. The crew's philosophy centred around safe and effective operations that continuously sought to find new and more efficient ways of carrying out a task while diligently recording and applying lessons learned. This way of working earned H&P (formerly KCA Deutag) the award for the UK Rig of the Year (2015), the IADC Award in 2014 for "Best Safety Performance of an Individual Unit" (Murchison), the SPE Offshore Achievements Award for Collaboration (2018) and the OGUK Award for Excellence in Decommissioning (2018).

- ▶ **UK Rig of the Year (2015)**
- ▶ **"Best Safety Performance of an Individual Unit" (Murchison) IADC Award in (2014)**
- ▶ **SPE Offshore Achievements Award for Collaboration (2018)**
- ▶ **Award for Excellence in Decommissioning OGUK (2018)**



For more information on how H&P can help you achieve better drilling outcomes, contact an H&P sales representative today or contact us through our website at [hpinc.com/contact](https://hpinc.com/contact).

**It's time to follow through on your drilling performance potential.**

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