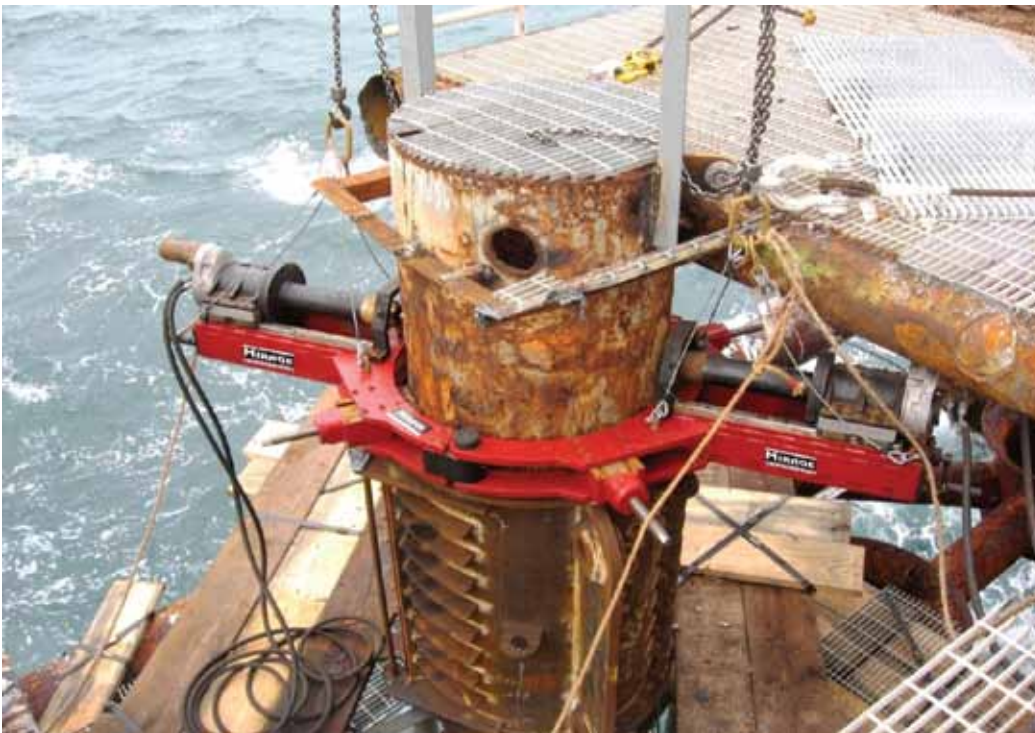


## CASE STUDY - Decommissioning Platforms

- **Requirement:** When decommissioning the platforms wells Mirage have designed a system of drilling and pinning the multiple casing strings. The system has been used extensively in the North Sea and Gulf of Mexico to pin up to 48" multiple casing strings and piles in both surface and sub sea applications.
- **Location:** North Sea – UK & Norway, Gulf of Mexico surface and sub sea
- **Equipment:** Mirage DDU1636 drill pinning machine and BS3248ss band saw.

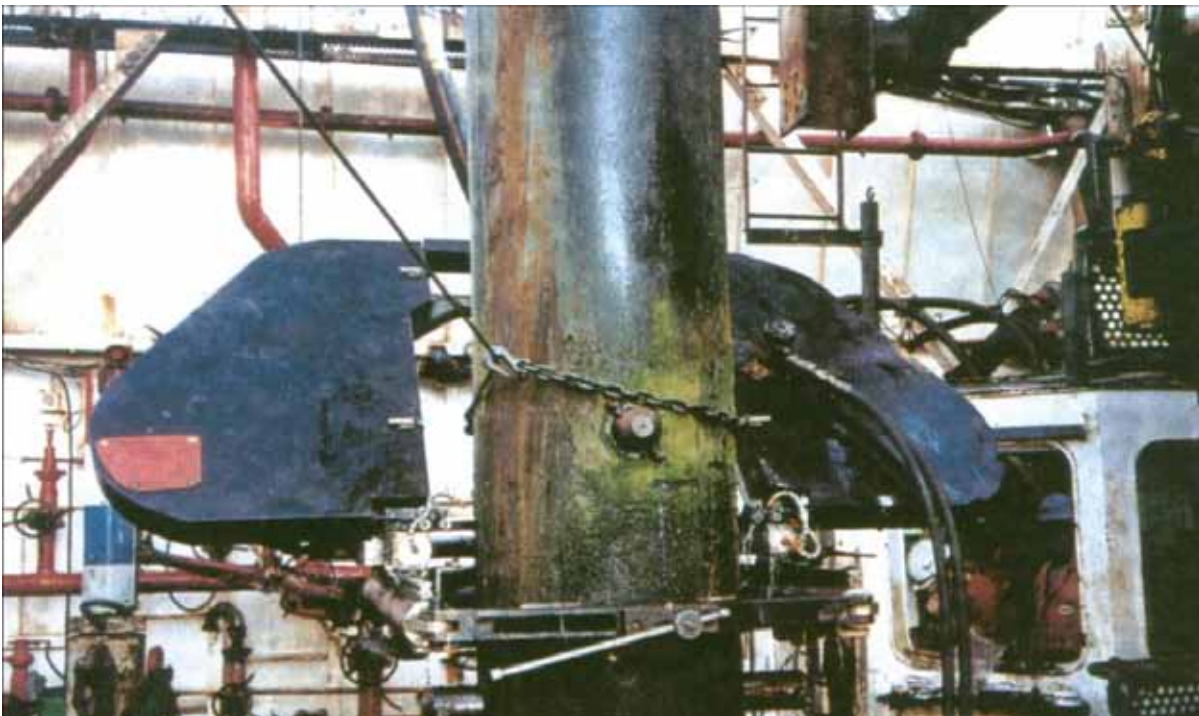
For surface cuts the drill unit has a split joint that is clamped onto the casing and then an auto feed system to feed the cutter through. A 48" multiple casing is drilled in approx 15 minutes giving a fast, efficient, cost effective cold cutting method for inserting lifting pins into multiple casing strings with or without grouted annuli.



The DDU1636 machine installed – drilling 6" pins.

- **Requirement:** When decommissioning the platforms wells Mirage have designed a system of drilling and pinning the multiple casing strings and then cutting through the casings. The system has been used extensively in the North Sea and Gulf of Mexico to cut up to 48" multiple casing strings and piles in both surface and sub sea applications.
- **Location:** North Sea – Uk & Norway, Gulf of Mexico surface and sub sea
- **Equipment:** Mirage DDU1636 and BS3248ss band saws for both surface and sub sea ROV cutting operations.

For surface cuts the band saw has a mechanical vice jaw that clamps around the casing and then an auto feed system to feed the blade through. A 48" multiple casing is cut in approx 40 minutes giving a fast, efficient, cost effective cold cutting method for cutting multiple casing strings with or without grouted annuli .



Shows the band saw in position cutting 30" multi string