

## Use of ProLATCH-N\* Well Abandonment System, Offshore Western Australia, Results in Significant Time Savings to Cut and Pull 20 inch, 36 inch Casings and Wellhead

The successful use of the ProLATCH-N well abandonment system resulted in a 51% reduction in operational cutting time when compared to direct offset wells.

### CHALLENGE

To efficiently complete an exploration subsea well abandonment, including 20 inch, 36 inch heavy wall casings and wellhead in a single trip.

### SOLUTION

Wellbore Integrity Solutions (WIS) proposed the use of the ProLATCH-N\* well abandonment system to cut both casings and recover the wellhead in a single trip. The ProLATCH-N system included a heavy duty pipe cutter dressed with a premium knife cutting structure and a thru-rotating spear equipped with custom segments to engage with the Dril-Quip wellhead profile.

### RESULTS

- Both casings were successfully cut and the wellhead recovered in a single trip.
- The cutting time of 2 hours 12 minutes represented an average time saving of 51% when compared to direct offset wells of similar configuration and water depth.
- A smooth and efficient cut was noted during the abandonment process.
- No spills or HSE incidents.



### A Significant Reduction in Operational Time

The use of the ProLATCH-N well abandonment system on this project resulted in a significant reduction in operational time. The cutting performance on this particular abandonment operation was compared against 7 direct offset wells and an overall reduction of 51% in the average cutting time was determined. This can be attributed to the experienced personnel provided by WIS at the wellsite and the attributes of the ProLATCH-N system such as the heavy duty pipe cutter and knife cutting structure. The use of the thru-rotating spear and custom wellhead segments also formed an integral element of this single trip system.



Top Left:  
Thru-rotating spear  
and wellhead at  
rotary table.

Top Right:  
Wellhead in  
Moonpool

Bottom Left:  
Used 52 in. casing  
cutter knives

Bottom Right:  
Cut and recovered  
20 in. 213# X-80  
and 36 in. 748#  
X-56 casing at  
surface

