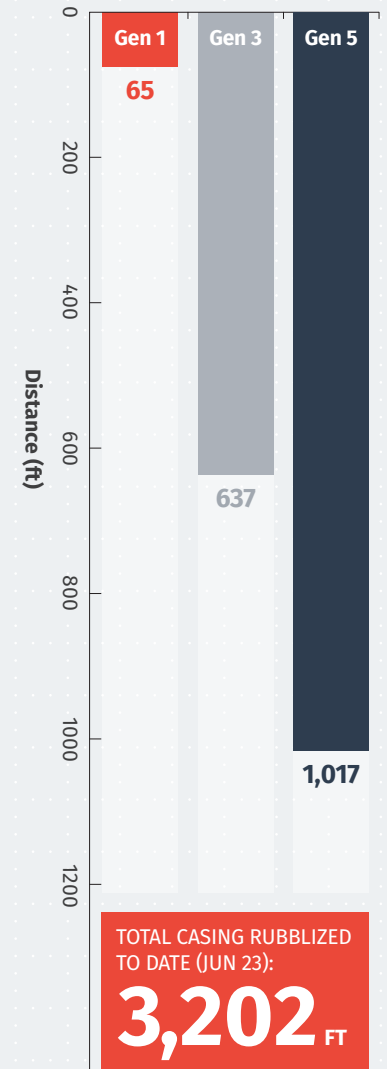


9⁵/₈" Rubblizer™ Achieves Longest Interval at 1,017ft

Deep Casing Tools Rubblizer™ technology was deployed by our operating partner, Tasman Oil Tools - a leader in Downhole Drilling Rental Tools in Australia and New Zealand, where it assisted in the recovery of a 9⁵/₈" top section casing. The tools longest interval to date at 1,017 ft, it was used to make two passes from 508 ft BRT back up to 39 ft BRT, with a third pass operating the tool across the remaining 12 Casing Connections.



Max. Lengths by Generation



THE CHALLENGE

Within the onshore Australian Coal Seam Gas market, a client experienced issues with sustained annulus casing pressure.

The recovery of a section of 9⁵/₈" casing was required, this was cemented in place from a depth of 155 m back to surface.

THE SOLUTION

Following the stabilisation of the annulus pressure the client required the assistance of an innovative technology that would successfully recover the top section of 9⁵/₈" casing.

The Rubblizer™ was recommended as a sound solution, due to the likelihood that the section of casing requiring recovery was cemented in place.

THE RESULT

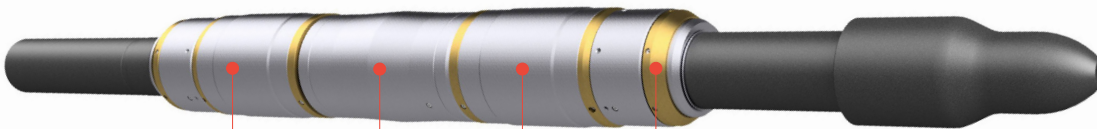
After a series of cuts were performed on the 9⁵/₈" casing, it was recovered to surface.

The Rubblizer™ was used to make 2x passes from 508 ft BRT back up to 39 ft BRT, with a third pass operating the tool across the remaining 12 Casing Connections.

In total, a length of approximately 1,017 ft was achieved, the longest interval the Rubblizer™ has been operated across to date.

A Senior Drilling Engineer from the end user commented: "The Rubblizer™ operation was a success and all indications were that the casing was free. We would not hesitate to use the tool again".

Major Design Improvements from the 1st Generation tool design up to the latest 5th Generation



Reduced Tool Offset, reducing centrifugal forces.

Improved Active & Fixed Roller Geometries.

Enhanced heat treatment process, improving durability on the Active and Fixed Roller Outside Diameters.

Upgrading to a Roller Bearing stack, increasing the endurance of the tool.