

The second section of 12.25" hole (1662 - 3900.3m) was drilled with 14 bits, see Table #1. All bits performed well, with the tooth bits showing high bit wear, especially Bit #10 (Series 225 tooth bit) which was graded at T4 after 6.3 hours. The insert bits (Series 527 and 537 bits) all gave longer drilling times but commonly showed high bearing wear. A marked contrast in bit runs were Bits #11 and #12 (527 and 537 Series insert bits respectively). Bit #11 was graded at T1 B2 after 41 hours drilling, including 174m (570') of abrasive volcanics, while Bit #12 was graded at T8 B8 after 43.1 hours drilling with 79m (260') of volcanics. Below 3066m the lithology was dominantly volcanics, which were very abrasive in parts. Bit #17 (527 series insert bit) was graded at T8 B6 and was 0.25" out of gauge after drilling 146m (477') of volcanics, but this bit was also used to repeatedly ream tight spots on the trip in and the interval from 3352 - 3457m (10997 - 11342') was drilled with one blocked jet.

The Core Bit was 15% worn after coring 36m (119') of sandstone and clay but was 70% worn after coring 5.5m (18') of volcanics, showing the high abrasiveness of the volcanics.

From the bits run, Series 527 and 537 insert bits provide good drilling performance in the abrasive formations encountered below the top of the Eastern View Coal Measures and for the volcanics of the Torquay Group.