

A third hand specimen is also described as a medium grained, grey and black, porphyritic olivine basalt. Thin sections of cuttings from the interval 5200' to 5220' are described as: amygdaloidal basalt, blood red altered basalt, altered quartz-mica-clay metamorphic, fine grained brown-rock of uncertain origin, chilled amygdaloidal lava, porphyritic basalt, sandy siltstone, marble, conglomerate.

Logs indicate that this interval consist of interbedded volcanic flows, altered flows, metamorphosed sediments and unaltered sediments. Its interval velocity is 9300 feet per seconds. Very few random dip sediments are shown over the interval 5065' to 5400' on the dip meter interpretation log.

5400' - 5910'

This interval consist mostly of sandstone, siltstone with lesser amounts of shale or mudstone and minor coal. The siltstone is dark borwn grey, carbonaceous, muddy. It mostly is recognized over the interval 5400' to 5500'.

The sandstone is very fine to fine grained with clear white to light grey grains, subangular to subrounded, moderately sorted, non calcareous, unconsolidated. A white interstitial clay fraction is recognized in some of the sandstone starting around 5560'. It becomes a significant constituent below 5700' where the sandstone is described as having grey, white, clear grains, subangular, subrounded, well rounded, with occasional feldspar grains, quartz pebbles and shale fragments.

The shale or sandstone is grey to dark brown to black, carbonaceous.

A conventional core over the interval 5547' to 5566' is described as follows: 5547' to 5548.5'; sandstone, very fine to fine grained, silty, glauconitic, poorly sorted, firm, with occasional shale clasts.

5548.5' - 5553.5'; shale, grey black, fissile, carbonaceous with stringers of sandstone and siltstone.

5553.5' - 5565.5'; sandstone, grey, medium-fine grained, subangular, moderately sorted, quartzose, carbonaceous, well cemented, grey-white clay matrix.

5565.5' - 5566'; shale, grey brown, fissile, firm, carbonaceous.

A hand specimen taken from the conventional core at 5559' in described as a weakly stratified, rather friable grey-green and white mottled lithic sandstone.