

The sandstone is light grey to dark grey, subangular to subrounded, micaceous, very firm, consolidated with a clay matrix, traces of red tuff and gypsum. Over the interval 7810' to 8000' the sandstone is described as grey speckled pink, fine to medium grained, subangular to subrounded, with abundant lithic grains.

The interval 8060' to 8110' is described as sandstone, grey-white, very argillaceous, fine to medium grained, abundant lithic grains with appearance of reworked dolerite, very angular.

The siltstone is light red and green, tuffaceous.

The shale is light grey to dark grey to dark brown, carbonaceous, gypsiferous, calcareous in part.

Gypsum is described as an accessory mineral of the shale over several discrete intervals. In the interval 7720' to 7780' it is described as a individual mineral, translucent, soft, base cleavage, dissolves in hot acid.

Several occurrences of volcanics are described. At 7810' it consist of loose pieces of olivine, light green, soapy texture. At 7850' it consist of light to dark green olivine pieces. At 8000' - 8029' it is described as several large pieces of dark grey and black vesicular basalt, again at 8040'. At 8060'-8100' it is described as having the appearance of dolerite. At 8130' it is a dark green and dark grey basalt and red tuff. At 8220' and thereafter it is mostly a black and dark grey basalt with red phenocryst.

This interval is assigned to the *C. striatus* palynologic zone of the Lower Cretaceous.

The interval velocity of this section is 11,000 feet per seconds from 7300' to 7400', 13,500' feet per seconds from 7400' to 8000', then 13,200 feet per seconds from 8000' to 8370'.

The dipmeter interpretation log indicates consistant southwest dip at an average angle of 35° throughout this interval.

Two small patterns associated with minor normal faults are recognized at or about, 7390' and 7510'. In addition, a very distinct pattern associated with normal faulting and confirmed by seismic is recognized at or about 8200'. The dip is consistant and to the southwest. However at this point it changes from 40° to 30°.

#### 8370' - 8640'

This interval is mostly massive sandstone interbedded with minor shale and coal. Two types of sandstone are recognized.