9170' - 9380' (cont.)

velocity of this section is 14,100 feet per second. This rather high velocity value is due to the silicous and calcareous cementation of the sandstone.

The dipmeter interpretation log indicates consistent southwest dip at a rate of 35°.

9380' - 9690'

This interval is mostly shale with interbedded sandstone, siltstone and minor coal. Sidewall cores are described as follows:

9385' - Coal

9480' - Shale, olive grey-green, silty, carbonaceous.

9490' - Sandstone, grey-green, argillaceous, lithic, micaceous, fine to medium grained, moderately sorted, sub-angular to sub-rounded.

9650' - Siltstone, grey-green, very argillaceous.

9675' - Sandstone/Conglomerate, grey-green to black, carbonaceous, argillaceous, coal laminae, poor sorting, subangular to subrounded.

Sample studies described this interval as interbedded, sandstone, lithic, hard calcareous, fine to medium to coarse grained; shale, light to dark grey, mostly dark grey, carbonaceous, gypsiferous; siltstone, medium dark grey, argillaceous, tight; coal, black, shaley.

The average interval velocity of this section is 13,800 feet per second. This rather high interval velocity is possibly due to the high matrix content and siliceous-calcareous cementation of the sandstone and siltstone fraction. A sharp decrease in interval velocity is noted at its base.

This interval is assigned to the C. striatus palynological zone of the