

A conventional core was cut over the interval 8373' to 8425'. This lithotype extends over the interval 8370' to 8422' and 8560' to 8640'. The core is described as follows: 8373' to 85', sandstone, apple green, fine to medium with coarse grains subangular to subrounded, poorly sorted, massive. 8385' to 87' conglomerate with Chert (?) and quartzite pebbles in very fine to very coarse green matrix of sandstone.

8387' to 96' sandstone, light green, very fine to very coarse, subangular to subrounded, non-calcareous.

8396' to 8412' sandstone, grey-white. 8412' to 8422', sandstone, green-grey fine to coarse, silty, subangular, micaceous, cleavage fractures.

8423' to 24.5' coal. 8424.5 to 25' shale, dark grey, silty, sandy, very carbonaceous, wood fragments.

A petrographic description at 8374' refers to a lithic sandstone, cemented with silica-chlorite and by the break-down or distortion of lithic fragments, well sorted, angular to subrounded. At 8376' the rock is described as lithic pebbly sandstone or conglomeratic greywacke with igneous, sedimentary and metamorphic components.

<u>Depth(ft)</u>	<u>Lithology</u>	<u>Porosity(%)</u>	<u>Permeability</u>
8380	Sand	16.0	0
8387	Sand	16.0	0
8394	Sand	11.0	0
8401	Sand	12.0	0
8408	Sand	15.0	0
9415	Sand	15.0	0
8422	Sand	8.0	0

Sample studies describe the interval 8370' to 8420' as sandstone: green-white to grey-white, subangular, fine to medium, tuffaceous, interbedded with dark green shale. The same general description applies to the interval 8560'-8640'.

The interval 8420'-8560' consist of interbedded sandstone, light green, fine to coarse, abundant lithic, interbedded with shale, light to dark green, traces of coal, gypsum and volcanics.

A substantial increase in interval velocity is noted at 8370 where the velocity increases from 13,200 to 14,000 feet per seconds. This velocity is maintained down to 9400'.

The dipmeter interpretation log over this interval indicates consistent southwest dip at a rate of 30°.