

<u>Depth (ft)</u>	<u>Lithology</u>	<u>Porosity %</u>	<u>Permeability (md)</u>
8408	Sand	15.0	0
8415	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' to 8560' consists 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 second. This velocity is maintained down to 9400'.

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

8640' - 9017'

This interval is mostly shale with interbedded thin sandstone at its base and thicker sandstone and coal at its top.

A sidewall core at 8905' is described as sandstone, green-grey, very argillaceous, very fine grained, subangular to subrounded. A sidewall core at 8674' is described as coal, shaley. Sample studies described this interval from the bottom up, as shale, dark grey-brown, fissile, carbonaceous to very carbonaceous, micaceous, gypsiferous, interbedded with minor coal and thin sandstone, green, fine to coarse grained, subangular to subrounded,