

7433'-7438' Thinly interbedded shale and sandstone. The shale in medium grey, in part silty to very finely sandy, micaceous, pyritic with fine carbonaceous streaks. The sandstone is grey white to buff, coarse grained to granular, sub-angular to rounded, fairly well sorted with scattered pebbles, grey shale and carbonaceous grains, micaceous, clay matrix.

7438'-7442' Sandstone; grey white to buff, coarse grained to granular with fine pebbles towards the base, clay matrix.

7442'-7450' Shale; medium grey, silty, sandy, conglomeratic, micaceous, with white clay grains, sparsely carbonaceous.

7450'-7450'3" Conglomerate; subangular to subrounded pebbles in poorly sorted light brown, argillaceous, silty, sandy, micaceous, carbonaceous matrix pebbles include quartz, feldspar, dark grey shale, volcanics, tourmaline.

7450'3"-7452'6" Sandstone; as 7442'-7450' with breccia and finely banded shale and coarse grain to granular quartz sandstone.

7452'6"-7453' Sandstone; grey white to buff, coarse grained to granular.

<u>Depth (ft)</u>	<u>Porosity (%)</u>	<u>Permeability (md)</u>
7433	28	19.3
7438	26	19.5
7439	24	20
7441	5	18.9

A conventional core was cut over the interval 7877' to 7892'. Nothing was recovered. On logs this interval appears to be within the so-called basement section.

A conventional core was cut over the interval 7903' to 7914', five feet was recovered.

The core interval appears to consist of a thinly banded and laminated sequence of quartzite, shale and sandstone.

The quartzite, or chert, is light to dark grey to black, very fine grained sparsely pyritic. The shale is dark grey to black, in part silty, carbonaceous, very finely sandy, dense, moderately hard. The sandstone is light to dark grey, argillaceous, fine to very fine grained, in part silica cemented, vuggy

A conventional core was cut over the interval 7974' to 7978', four feet were recovered. The core interval is described as metamorphosed shale with recrystallised segregations of quartz-calcite-biotite and irregular bodies of light to dark grey quartzite. Irregular veins of quartz-calcite and mica, minor pyrite.