

PD83 JC -03

<u>From (m)</u>	<u>To (m)</u>	
0	2.0	Sand, quartz, and clayey (ex? Ross sandstone)
2.0	5.0	Clay, grey and smectitic, variably sandy
5.0	8.0	Clay, red/brown, sandy with goethite cement, (ferricrete)
8.0	10.0	Clay, grey and smectitic, (as for 2-5m)
10.0	14.0	Clay, grey to pale brown, minor 0.5mm quartz grains
14.0	20.0	Clay, khaki brown, ~5% lignite fragments
20.0	25.5	Clay, grey and dark brown, 5-10% lignite
25.5	25.6	Sandstone, quartz ± feldspar, minor plant fossils, silicified (.....? silcrete)
25.6	26.5	Lignite
26.5	27.0	Clay, brown
27.0	28.0	Sandstone, quartz feldspathic, carbonaceous, with minor lignite
28.0	30.0	Clay, grey/brown, smectitic, <10% lignite
30.0	40.0	Lignite, interbedded with grey/brown sandy clay; proportion of lignite ranges 30-70%
40.0	46.0	Clay, grey to pale brown, sandy (?±lignite)
46.0	52.0	Clay, " " "
52.0	54.0	Clay, pink to pale brown

EOH

Comments

- (i) The smectitic clay from 2-5m and 8-10m corresponds with Tertiary age basalt agglomerate (HW-EW) outcrop near the hole site.
- (ii) Ferricrete float and subcrop are also present in the general area.
- (ii) Contamination of samples ranged from minor to extreme; water injection at 10m.