

PD83 JC - 04 (cont'd)

<u>From (m)</u>	<u>To (m)</u>	
40.60	42.00	Arenite, quartz (relatively low porosity - ? silicified)
42.00	43.40	Shale (micaceous, very low porosity)
43.40	43.60	Coal, heavy dull (RD $\approx$ 1.96)
43.60	44.20	Siltstone, (relatively high porosity - ?fracture, $\pm$ kaolin)
44.20	44.60	Mudstone, grey (? kaolinitic)
44.60	45.00	Arenite, quartz (relatively high porosity - ?fracture, $\pm$ kaolin)
45.00	46.00	Siltstone, (relatively high porosity - ?fracture, $\pm$ kaolin)
46.00	46.60	Mudstone, grey
46.60	46.90	Siltstone
46.90	47.20	?Arenite, quartz $\pm$ feldspar/kaolin/illite
47.20	47.80	Mudstone, grey
47.80	48.20	Siltstone
48.20	48.56	?Arenite, quartz $\pm$ feldspar/kaolin/illite
48.56	48.72	Coal (RD $\leq$ 1.75)
48.72	49.40	Mudstone, grey
49.40	49.80	?Arenite, quartz $\pm$ feldspar/kaolin/illite
49.80	54.00	Interbedded mudstone, siltstone and sandstone as for 43.60 - 49.80

EOH

Comments

- (i) Base of oxidation  $\approx$  10m
- (ii) Coal seams intersected as follows-  
Major: 3.5 - 5.0m  
Medium: 26.46 - 26.96  
Minor: 17.17 - 17.38m, 21.35 - 21.54m, 43.40 - 43.60m,  
and 48.56 - 48.72m
- (iii) A major boundary occurs at  $\approx$  32m, separating a lithic arenite/mudstone (variably carbonaceous) coal sequence from a quartz arenite/siltstone/mudstone with subordinate coal seams.