

PD83 JC - 04

<u>From (m)</u>	<u>To (m)</u>	
0	2.5	Clay, sandy, medium brown, minor goethite content
2.5	3.5	Clay, grey (? ex mudstone)
3.5	5.0	Coal, oxidised and very soft
5.0	8.0	Arenite, lithic, fine to medium grain size
8.0	9.6	Siltstone, kaolinitic
9.6	11.4	Mudstone, grey
11.4	13.0	Siltstone, kaolinitic, ± very fine grained lithic arenite
13.0	15.38	Mudstone, medium to dark grey
15.38	16.14	Mudstone, carbonaceous ± heavy dull coal
16.14	16.76	Mudstone, grey
16.76	17.17	Mudstone, carbonaceous
17.17	17.38	Coal, heavy dull (RD ≈ 1.81)
17.38	17.62	Mudstone, grey
17.62	17.81	Mudstone, carbonaceous
17.81	20.78	Arenite, lithic (illitic, clay matrix)
20.78	20.93	Mudstone, carbonaceous
20.93	21.35	Mudstone, grey
21.35	21.54	Coal, heavy dull (RD ≈ 1.99)
21.54	21.76	Mudstone, grey
21.76	21.88	Mudstone, carbonaceous
21.88	22.50	Mudstone, grey
22.50	26.46	Arenite, lithic (illitic clay matrix)
26.46	26.96	Coal, heavy dull (RD ≈ 1.89)
26.96	27.75	Mudstone, carbonaceous
27.75	27.96	Mudstone, carbonaceous and heavy dull coal
27.96	29.32	Siltstone, kaolinitic (and ? with fracture porosity)
29.32	29.50	Mudstone, carbonaceous
29.50	30.91	Mudstone, grey
30.91	31.20	Mudstone, carbonaceous
31.20	31.60	Mudstone, grey
31.60	32.30	Arenite, sub lithic and quartzose
32.30	32.80	Arenite, quartz, (relatively low porosity - ? silicified)
32.80	34.20	Siltstone, (illitic matrix, very low porosity)
34.20	34.30	? Arenite, quartz, ± feldspar/kaolin/illite
34.30	34.80	Siltstone, (as for 32.80-34.20m)
34.80	35.00	? Arenite, quartz ± feldspar/kaolin/illite
35.00	35.20	Siltstone
35.20	36.00	Mudstone, grey
36.00	36.80	Arenite, quartz, (relatively high porosity (? inter granular) ± illite/kaolin clay matrix)
36.80	38.30	Siltstone, (illitic matrix, very low porosity)
38.30	39.20	Mudstone, grey
39.20	40.00	Siltstone, (relatively high porosity - ? fracture, ± kaolin)
40.00	40.60	Mudstone, grey