

CORNWALL COAL KELVIN GROVE DDH1Map: Kempton 1:25,000AMG Co-ordinates: 512700E
5298450N

K61

Driller: Stacpoole DrillingCollar: 205m approx.Commenced: 18.5.93T.D.: 93.10mCompleted: 21.5.93Cored Interval: 6.0m - 93.10mLogged by: J. Bryan

NQTT core

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth of Base of Stratum (m)</u>	<u>Remarks</u>
Non-Core-Tricore Bit	6.0	6.0	3½" casing to 6.0m
SANDSTONE, brown, weathered, fine grained, lithic	2.33	8.33	
MUDSTONE, grey/brown to grey, laminated towards base	0.55	8.88	5° dip
SANDSTONE, grey, fine, lithic, grading to siltstone, soft.	2.86	11.74	2 to 4 f.p.m.
MUDSTONE, grey, slightly weathered	0.10	11.84	
SANDSTONE, grey, fine grained lithic, becoming coarser towards base, occasional plant debris and carbonaceous wisps	5.82	17.66	6 to 10 f.p.m
MUDSTONE, grey, soft, weak, with numerous carbonaceous wisps	0.21	17.87	
SANDSTONE, grey, medium grained, lithic	0.31	18.18	
MUDSTONE, grey, soft, broken	0.44	18.62	Dip 10°
SANDSTONE, grey, fine grained lithic, broken	1.37	19.99	10 f.p.m.
SHALE BRECCIA, grey shale pebbles in sandstone	0.29	20.28	
SANDSTONE, grey, medium grained, lithic, moderately strong, massive	3.12	23.40	
SANDSTONE, grey, weak, broken, some carbonaceous blebs	0.89	24.29	
MUDSTONE, black, carbonaceous	0.04	24.33	
SANDSTONE with carbonaceous partings	0.10	24.43	

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth of Base of Stratum (m)</u>	<u>Remarks</u>
MUDSTONE, grey, soft	0.08	24.51	
SANDSTONE, grey, coarse, lithic, massive	2.50	27.01	3 f.p.m.
SANDSTONE, grey, fine grained with numerous carbonaceous partings	5.21	32.22	Dip 12°
MUDSTONE, grey, soft, broken laminated towards base, weak	5.52	37.74	Dip 15°
SANDSTONE, grey, lithic, medium	1.46	39.20	
SANDSTONE, green and grey/ green, broken, slickensided, broken, weak, some carbonaceous partings and minor mudstone bands (core loss 0.8m) contact with coal below about 40°.	1.70	40.90	Dip 12°
<u>COAL</u> , dull, coked and heat affected, calcite veins, core broken and soft, bedding distorted. Core loss 0.61m	2.55	43.45	Dip 17°
CLAYSTONE, brown, soft, waxy	0.25	43.70	
SANDSTONE, grey, medium grained, massive, very soft and weak in part (2.52m core loss)	11.90	55.60	
MUDSTONE/SANDSTONE interbeds, green to green/grey, soft and broken in part, slickensided fractures	11.80	67.40	
<u>COAL</u> , dull, heat affected	0.07	67.47	
MUDSTONE, red/brown to grey/green, broken, soft, weak	1.33	68.80	
SANDSTONE, grey/green, fine grained, hard	0.40	69.20	

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth of Base of Stratum (m)</u>	<u>Remarks</u>
MUDSTONE, grey/green, soft	2.30	71.50	20f.p.m.
SANDSTONE, green/grey, grading to mudstone in part, core broken, soft, irregular bedding	10.27	81.77	
MUDSTONE, grey/brown, carbonaceous, broken, slickensided, brecciated, soft	3.23	85.00	? Fault zone
MUDSTONE, green/brown and and grey, brecciated in part, core broken, heat affected	2.30	87.30	
DOLERITE, hard, fine grained, numerous calcite veins	1.65	88.95	
DOLERITE, green, altered, soft, sheared?	2.35	91.30	BASE OF HOLE