

CORNWALL COAL MT NICHOLAS DDH 18

<u>Location:</u> above Cornwall Village	<u>Logged by:</u> J.H. Bryan
<u>AMG Co-ordinates:</u> E 595 369.75	<u>Drilled by:</u> Stacpoole Drilling
N 5398 736.75	
<u>Collar R.L.:</u> 434.1 m	<u>Commenced:</u> 14.11.84
<u>Total Depth:</u> 78.64 m	<u>Completed:</u> 21.11.84

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
TRICONE ROLLER BIT TO 3.50 m, soil and scree, non-core	3.50	3.50	
<u>COAL</u> , carbonaceous mudstone and dark grey claystone, core badly broken, very poor recovery-possible old workings	4.13	7.63	
CLAYSTONE, grey, soft	1.08	8.71	
<u>COAL</u> , dull to stony, core badly broken (core loss) (probably not old workings)	1.29	10.00	
CLAYSTONE, grey, grading to clayey sandstone	0.82	10.82	
SANDSTONE, (weathered) - brown, medium to coarse, lithic	18.76	29.58	
CLAYSTONE, brown, slightly weathered	1.57	31.15	
CLAYSTONE, grey, sandy in part	0.79	31.94	

CORNWALL COAL MT NICHOLAS D.D.H. 18

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
SANDSTONE, grey, lithic, unweathered	0.50	32.44	
SANDSTONE, brown, soft, weathered (includes 0.76m core loss)	1.16	33.60	
SANDSTONE, grey, lithic, medium grained, massive	3.99	37.59	
MUDSTONE/SILTSTONE/CLAYSTONE INTERBEDS, black to dark grey mudstone, grey to green/grey claystone and grey lithic sandstone	2.13	39.72	
CLAYSTONE, grey, soft, with minor sandstone phases	7.38	47.10	
MUDSTONE, dark grey/black with minor coal intervals up to 0.04 m thick - calcite band 0.03 m thick, core broken	0.85	47.95	
SILTSTONE/CLAYSTONE INTERBEDS, grey, soft in part with abundant near vertical joints - core broken in places	4.46	52.41	
MUDSTONE, black, carbonaceous to stony	0.34	52.75	) FENTON SEAM
<u>COAL</u> , dull to stony (0.16m core loss)	0.45	53.20	) Thickness 1.530 m
CLAYSTONE, grey/brown, soft	0.02	53.22	)

116

206117

3.

CORNWALL COAL MT NICHOLAS D.D.H. 18

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
<u>COAL</u> , dull with minor bright bands	0.72	53.94	) PLY 1
SANDSTONE, grey, fine, lithic	0.89	54.83	
CLAYSTONE, grey, soft with occasional minor sandstone interbeds and dark grey/brown carbonaceous mudstone interbeds up to 0.20 m thick	5.87	60.70	
MUDSTONE, grey, soft	1.00	61.70	
<u>COAL</u> , dull	0.17	61.87	
MUDSTONE, black, carbonaceous, coaly	0.10	61.97	
CLAYSTONE, brown, soft	0.03	62.00	
<u>COAL</u> , dull to stony, core broken	0.27	62.27	
MUDSTONE, black (core loss)	1.05	63.32	
CLAYSTONE, grey and grey/brown, soft	0.12	63.44	
MUDSTONE, black, carbonaceous, minor coaly lenses and grey claystone interbeds	1.25	64.69	
MUDSTONE, grey/green, soft	1.10	65.79	

CORNWALL COAL MT NICHOLAS D.D.H. 18

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
<u>COAL</u> , dull to stony, core badly broken (core loss .275m)	0.725	66.515	)
CLAYSTONE, grey/brown, hard	0.035	66.550	) SEAM Thickness 2.085m
<u>COAL</u> , dull with minor bright bands , dull to stony	0.050 0.980	66.600 67.580	) )
CLAYSTONE, grey/brown, hard	0.035	67.615	)
<u>COAL</u> , dull	0.260	67.875	)
MUDSTONE, grey to green/grey, soft (core loss 0.125m)	1.505	69.380	
SANDSTONE, grey, medium grained, lithic with sporadic claystone clasts	2.800	72.180	
CLAYSTONE, grey, grey/green and black, carbonaceous in part	0.160	72.340	
<u>COAL</u> , dull with minor bright bands	0.380	72.720	
MUDSTONE, dark grey/black with minor coaly partings, distinctive brown claystone pellets throughout	0.610	73.330	
SANDSTONE, grey, lithic, medium (core loss when core dropped 1.90m)	5.31	78.64	

BASE OF HOLE