

CORNWALL COAL TOWER HILL D.D.H. 19

<u>Location:</u> Tower Hill	<u>Logged by:</u> J.H. Bryan
<u>AMG Co-ordinates:</u> E 570 500	<u>Drilled by:</u> Stacpoole Drilling
N 5399 550	
<u>Collar R.L.:</u> 1000 m approx.	<u>Commenced:</u> 20.11.84
<u>Total Depth:</u> 101.00 m	<u>Completed:</u> 26.11.84

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
TRICONE ROLLER BIT TO 3.5 m	3.50	3.50	
SANDSTONE, brown, slightly weathered, lithic, medium to coarse	35.310	38.810	
<u>COAL</u> , dull with minor bright bands	0.310	39.120	)
CLAYSTONE, brown, carbonaceous	0.310	39.130	)
<u>COAL</u> , dull with minor bright bands	0.035	39.165	)
CLAYSTONE, brown/grey, hard	0.010	39.175	) SEAM A
CLAYSTONE, black, coaly	0.025	39.200	) PLY 1
<u>COAL</u> , dull with minor bright bands	0.100	39.300	)
CLAYSTONE, grey with thin, lenticular coaly partings	0.135	39.435	) Thickness: 1.16m
<u>COAL</u> , dull with minor bright bands	0.310	39.745	)
CLAYSTONE, black, coaly	0.010	39.755	)

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	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
<u>COAL</u> , dull and bright	0.010	39.765	)
			)
CLAYSTONE, dark brown, carbonaceous	0.025	39.790	)
			)
<u>COAL</u> , dull with minor bright bands	0.045	39.835	) PLY 1
			)
CLAYSTONE, grey/brown, hard	0.010	39.845	)
			)
<u>COAL</u> , dull with minor bright bands	0.125	39.970	)
			)
MUDSTONE, grey, soft	0.110	40.080	
<u>COAL</u> , dull	0.020	40.100	
MUDSTONE, grey/green, soft	0.095	40.195	
CLAYSTONE, grey to black, carbonaceous with coaly lenses and partings	0.180	40.375	
MUDSTONE, grey/green, soft	0.410	40.785	
CLAYSTONE, dark grey, carbonaceous	0.050	40.835	
<u>COAL</u> , dull	0.035	40.870	
MUDSTONE, dark grey, carbonaceous	0.040	40.910	
MUDSTONE, grey to green/grey	0.530	41.440	
CLAYSTONE, black, carbonaceous, coaly in part	0.025	41.465	

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	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
MUDSTONE, grey to grey/green - mostly claystone	0.215	41.680	
CLAYSTONE, coaly	0.035	41.715	
MUDSTONE, grey to grey/green	1.010	42.725	
CORE LOSS	0.075	42.800	
<u>COAL</u> , dull	0.020	42.820	
CLAYSTONE, black, carbonaceous	0.020	42.840	
<u>COAL</u> , dull	0.015	42.855	
, bright	0.010	42.865	
, dull	0.075	42.940	
CLAYSTONE, black, coaly	0.015	42.955	
MUDSTONE, grey, hard, with occasional coaly partings	1.575	44.530	
SANDSTONE, grey, medium grained, lithic	14.12	58.650	
MUDSTONE, mid grey to dark grey, carbonaceous throughout, occasional thin sandstone interbeds	7.18	65.830	
SANDSTONE, grey, lithic, medium grained, massive, carbonaceous partings towards top, minor mudstone interbeds	25.38	91.210	

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	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
<u>COAL</u> , dull to stony	0.320	91.530 )	) SEAM B ) Thickness
CLAYSTONE, black, coaly	0.390	91.920 )	
<u>COAL</u> , dull, pyritic	0.080	92.000 )	0.79 m
MUDSTONE, grey to green/grey, hard	0.200	92.200	
SANDSTONE, fine grained, lithic, massive	1.060	93.260	
CLAYSTONE, black and dark brown, carbonaceous, coaly in part	1.050	94.310	
<u>COAL</u> , dull with minor bright bands	0.350	94.660	
CLAYSTONE, dark brown, carbonaceous	0.070	94.730	
MUDSTONE, grey, soft	2.270	97.000	
SANDSTONE, grey, lithic, medium	1.640	98.640	
MUDSTONE, grey	0.960	99.600	
CLAYSTONE, black, carbonaceous	0.180	99.780	
MUDSTONE, grey to green/grey	0.890	100.670	
SANDSTONE, grey, lithic, fine to medium grained	0.33	101.00	

BASE OF HOLE