

046

206047

CORNWALL COAL TOWER HILL D.D.H. 14

Location: Tower Hill
AMG Co-ordinates: E 571 550
 N 5400 013

Logged by: C.G. Lancaster
Drilled by: Stacpoole Drilling

Collar R.L.: 990 m approx.
Total Depth: 95.435 m

Commenced: 2.11.84
Completed: 9.11.84

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
NOT CORED, open hole	3.5	3.5	
SANDSTONE, light grey to greenish grey, medium to coarse, lithic, irregular siltstone lens at 6.70 m, Bedding thick to massive, subparallel, blocky to massive, vertical and subvertical joints at 18.0 - 19.0 m and 25.7 - 26.3m, irregular carbonaceous and coaly material at 29.0 - 30.5 m	30.850	34.350	
<u>COAL</u> , dull and bright, bedding disturbed	0.130	34.480	
SILTSTONE, grey, irregular coaly inclusions	0.130	34.610	
<u>COAL AND SILTSTONE INTERBEDED</u> , ratio 40:60. Coal, dull and bright; siltstone, grey, bedding vertical in part, core broken and crumbly	0.360	34.970	
SILTSTONE, grey, bedding disturbed	0.285	35.255	

047

206048

2.

CORNWALL COAL TOWER HILL D.D.H. 14

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
SANDSTONE, light grey, fine, medium and coarse interbeds, sporadic siltstone pods and lenses, minor carbonaceous material on partings, bedding thin to medium, wavy to irregular, blocky, sporadic joint plane dipping at approximately 45°	1.895	37.150	
<u>COAL</u> , stony, abrupt upper contact	0.150	37.300)
, dull with minor bright bands	0.150	37.450)
)
CLAYSTONE, brown, soft, puggy	0.030	37.480)
			) PLY 1
<u>COAL</u> , dull with minor bright bands	0.150	37.630	) Thickness
, stony	0.200	37.830	) 0.825 m
)
CLAYSTONE, brown to dark grey, soft in part	0.050	37.880)
)
<u>COAL</u> , dull with minor bright bands	0.055	37.935)
)
CLAYSTONE, black, carbonaceous	0.040	37.975)
)
CLAYSTONE, brown to black, carbonaceous at top, compact, silty at base, grades to underlying unit	0.095	38.070	
SILTSTONE, grey, numerous fine sandy phases, grades to underlying unit, bedding laminated to very thin, irregular carbonaceous remains at top, sporadic closed subvertical fractures	0.630	38.700	

048

206049

3.

CORNWALL COAL TOWER HILL D.D.H. 14

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
SANDSTONE, light grey, fine to medium interbeds, lithic, bedding laminated to very thin, grades to laminite in places, numerous carbonaceous partings particularly pronounced in basal half, bedding parallel to wavy, slabby to blocky, crushed zone 0.100 m thick at top (? fault)	6.170	44.870	
SANDSTONE, light grey, medium to coarse, sorting moderate to good, bedding medium to thick, subparallel, blocky to massive, very minor coaly laminae and wisps in centre, sub-vertical fracture at 49.0 m and 50.0 m	11.270	56.140	
CLAYSTONE, black, coaly, minor bright wisps	0.090	56.230)
<u>COAL</u> , dull with minor bright bands	0.110	56.340)
, dull with numerous bright bands	0.105	56.445	) PLY 2
, dull	0.050	56.495)
, dull with minor bright bands	0.035	56.530	) Thickness
			) 1.470 m
CLAYSTONE, speckled dark brown-black, carbonaceous in part	0.015	56.545)
<u>COAL</u> , stony, minor bright wisps	0.030	56.575)

049

206050

4.

CORNWALL COAL TOWER HILL D.D.H. 14

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
CLAYSTONE, dark brown-black, carbonaceous to coaly	0.025	56.600)
<u>COAL</u> , stony to dull with minor bright bands, sporadic thin carbonaceous claystone laminae	0.215	56.815)
CLAYSTONE, grey, fissile, soft	0.045	56.860)
<u>COAL</u> , dull and bright	0.050	56.910)
CLAYSTONE, black, carbonaceous	0.025	56.935)
CLAYSTONE, grey to black, soft, carbonaceous at base	0.155	57.090	) Thickness 1.47 m
<u>COAL</u> , dull with minor bright bands	0.230	57.320)
CLAYSTONE, dark brown, carbonaceous	0.010	57.330)
<u>COAL</u> , dull with minor bright bands, sporadic thin carbonaceous claystone partings	0.170	57.500)
CLAYSTONE, speckled dark brown	0.010	57.510)
<u>COAL</u> , dull	0.055	57.565)
, dull and bright	0.045	57.610)
MUDSTONE, grey to dark grey, sporadic carbonaceous horizons, minor fine sandy phases and bands, bedding very thin to laminated, parallel to wavy, flaggy to slabby	4.760	62.370)

050

206051

5.

CORNWALL COAL TOWER HILL D.D.H. 14

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
<u>COAL</u> , dull with several very thin claystone bands	0.160	62.530	
CLAYSTONE, grey with minor sandstone interbeds	3.340	65.870	
SANDSTONE, grey to greenish grey, lithic, medium grained	6.850	72.720	
CLAYSTONE, grey with numerous sandstone interbeds, grading to dark grey carbonaceous claystone in part	5.000	77.720	
SANDSTONE, grey, fine grained, lithic with numerous carbonaceous laminae and partings (relatively strong roof strata)	3.775	81.495	
<u>COAL</u> , dull	0.655	82.150)
CLAYSTONE, grey, hard	0.035	82.185	) PLY 3
CLAYSTONE, black, coaly	0.040	82.225	) Thickness:) 1.39 m
CLAYSTONE, grey, hard	0.008	82.233)
<u>COAL</u> , dull, core broken	0.225	82.458)
CLAYSTONE, grey, hard	0.007	82.465)
<u>COAL</u> , dull with minor bright bands	0.420	82.885)

051

206052

6.

CORNWALL COAL TOWER HILL D.D.H. 14

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
CLAYSTONE, grey/green, buff with minor coaly bands	0.920	83.805	
SANDSTONE, grey/green, fine grained with minor claystone interbeds	1.125	84.930	
CLAYSTONE, grey/green	0.705	85.635	
<u>COAL</u> , dull	0.025	85.660	
CLAYSTONE, grey and clayey, sandstone soft, breaks readily along bedding planes	0.800	86.460	
MUDSTONE, grey/green and black interbedded in very thin units - usually 2mm to 5mm thick	0.200	86.660	
CLAYSTONE, black to dark brown, carbonaceous	0.290	86.950	
<u>COAL</u> , dull with minor bright bands	0.610	87.560	) PLY 4
CLAYSTONE, grey/brown, grading to hard clayey sandstone towards base, carbonaceous at top	1.615	89.175	
SANDSTONE, fine to medium grained, lithic, grey	4.825	94.000	

BASE OF HOLE