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CORNWALL COAL MT NICHOLAS D.D.H. 25Location: 1.2km N.E. of CornwallLogged by: J.H. BryanAMG Co-ordinates: E ^{Village} 96 079.5Drilled by: Stacpoole DrillingN ⁵ 99 185.0Collar R.L.: 459.2Commenced: 23.4.85Total Depth: 66.40mCompleted: 26.4.85

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remark</u>
SOIL and WEATHERED SANDSTONE	2.70	2.70	Tricone Roller Bit 0 - 2.70m
MUDSTONE, brown/grey, moderately weathered	0.650	3.35	
SANDSTONE, brown, slightly to moderately weathered - minor mudstone interbeds (unweathered from 7.5m to 10.0m) (unweathered from 17.5m except for ironstained joints)	17.12	20.47	
MUDSTONE, grey with ironstained joints	0.40	20.87	
SANDSTONE, grey, fine grained	0.38	21.25	
MUDSTONE, grey to grey/green, core broken in part, numerous joints	2.45	23.70	
SANDSTONE, grey, medium grained, lithic, massive	5.55	29.25	
MUDSTONE, black to dark grey, carbonaceous to coaly	0.260	29.51	

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	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
MUDSTONE, grey/green, partly sandy, soft, abundant plant debris on bedding planes	8.09	37.60	
CORE LOSS AT TOP OF COAL	0.39	37.99	
<u>COAL</u> , dull	0.23	38.22)
CLAYSTONE, black, coaly	0.08	38.30) Millbrook Coal Member
<u>COAL</u> , dull	0.07	38.37) Thickness: 0.38m
CLAYSTONE, dark brown/black, carbonaceous	0.050	38.42	
MUDSTONE, grey, soft, with minor sandstone interbeds, parts readily along bedding planes (weak strata; poor roof), carbonaceous at base	4.09	42.51	
<u>COAL</u> , dull	0.120	42.63)
CLAYSTONE, grey, hard	0.020	42.65) FENTON SEAM
<u>COAL</u> , dull	0.035	42.685) Thickness: 1.66m
CLAYSTONE, grey/brown, waxy, soft	0.065	42.75) PLY 1
<u>COAL</u> , dull	0.350	43.10)

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	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
CLAYSTONE, brown, soft, ?tuffaceous	0.060	43.16)	
)	
<u>COAL</u> , dull	0.350	43.51)	
)	FENTON SEAM
CLAYSTONE, grey, soft	0.030	43.54)	
)	PLY 1
<u>COAL</u> , dull	0.440	43.98)	
)	
CLAYSTONE, grey/brown, soft	0.020	44.00)	
)	
<u>COAL</u> , dull with minor bright bands	0.170	44.17)	
)	
SANDSTONE, grey, lithic, clayey	0.860	45.03	
MUDSTONE, grey, soft, some sandy phases	6.52	51.55	
<u>COAL</u> , dull to stony	0.37	51.92	
CLAYSTONE, grey, hard	0.035	51.955	
<u>COAL</u> , dull to stony	0.125	52.08	
SANDSTONE, grey/brown, carbonaceous	0.260	52.34	
MUDSTONE, black, carbonaceous	0.290	52.63	
MUDSTONE, dark grey at top becoming grey to grey/green	2.68	55.31	

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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	0.200	55.51	
CLAYSTONE, brown, fissile	0.015	55.525	
<u>COAL</u> , dull	0.160	55.685	
CLAYSTONE, brown, fissile	0.020	55.705	
<u>COAL</u> , dull to stony	0.180	55.885	
CLAYSTONE, grey, soft, waxy	0.040	55.925	
MUDSTONE, black, carbonaceous	2.275	58.20	
MUDSTONE, grey/green	0.36	58.56	
<u>COAL</u> , dull to stony	0.47	59.03	
MUDSTONE, grey to grey/green with numerous sandy phases (relatively weak roof strata - more competent than most mudstones)	1.15	60.18	
CLAYSTONE, brown to black, hard	0.070	60.25	
<u>COAL</u> , stony	0.165	60.415)	
CLAYSTONE, black, carbonaceous	0.040	60.455)	PLY 2
<u>COAL</u> , dull to stony	0.980	61.435)	Thickness: 1.835m

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	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
CLAYSTONE, black, carbonaceous	0.090	61.525)	
)	PLY 2
<u>COAL</u> , dull	0.260	61.785)	
)	
<u>COAL</u> , stony	0.300	62.085)	
MUDSTONE, grey	0.460	62.545	
SANDSTONE, grey to grey/brown, lithic	1.125	63.67	
CLAYSTONE, black, carbonaceous at top, grading to mid brown, hard (distinctive claystone below Webber Falls Coal Member), occasional thin coaly phases	2.73	66.40	

BASE OF HOLE

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