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CORNWALL COAL MT NICHOLAS D.D.H. 28Location: 800m north of DDH 4Logged by: J.H. BryanAMG Co-ordinates: EDrilled by: Stacpoole Drilling

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Collar R.L.:Commenced: 8.5.85Total Depth: 91.90mCompleted: 14.5.85

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
SCREE (non core)	4.00	4.00	
MUDSTONE, grey/brown, slightly weathered (core loss 0.56)	1.24	5.24	
<u>COAL</u> , dull, slightly weathered	0.25	5.49	)
CLAYSTONE, brown, soft	0.020	5.51	) Cullenswood ) Coal Member
<u>COAL</u> , dull to stony	0.230	5.74	)
CLAYSTONE, brown, soft	0.020	5.76	)
<u>COAL</u> , dull, laminated, slightly weathered	0.200	5.96	)
SANDSTONE, grey to grey brown, slightly weathered	22.82	28.78	
MUDSTONE, grey, hard at top but generally weak strata	1.06	29.84	
<u>COAL</u> , dull to stony	0.23	30.07	

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CORNWALL COAL MT NICHOLAS D.D.H. 28

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
CLAYSTONE, grey/brown to black	0.26	30.33	
SANDSTONE, grey, lithic, hard, fine grained, massive	0.46	30.79	
MUDSTONE, black	0.23	31.02	
SANDSTONE, grey/brown, carbonaceous with black mudstone interbeds	1.03	32.05	
MUDSTONE, grey/green with numerous sandy phases	3.08	35.13	
SANDSTONE, grey/green, lithic, fine grained with minor mudstone interbeds	2.54	37.67	
MUDSTONE, grey/green with minor sandy phases	1.98	39.65	
SANDSTONE, grey, medium grained, lithic	1.54	41.19	
MUDSTONE, dark grey to black	0.340	41.53	
MUDSTONE, grey/green	0.380	41.91	
SANDSTONE, fine to medium grained with minor mudstone interbeds	2.03	43.94	
MUDSTONE, grey/green (weak strata)	0.275	44.215	

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CORNWALL COAL MT NICHOLAS D.D.H. 28

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remark</u>
<u>COAL</u> , dull to stony	0.25	44.465 )	
		)	
CLAYSTONE, brown, waxy	0.03	44.495 )	
		)	
<u>COAL</u> , dull	0.035	44.530 )	PLY 1
		)	Thicknes
CLAYSTONE, brown	0.005	44.535 )	1.695m
		)	
<u>COAL</u> , dull	0.220	44.755 )	
		)	
CLAYSTONE, dark grey to brown	0.045	44.800 )	
		)	
<u>COAL</u> , dull	1.110	45.910 )	
		)	
SILTSTONE, grey brown to grey, hard	1.170	47.08	
SANDSTONE, fine grained at top becoming medium grained, grey, lithic, coaly wisps and lenses towards base	15.73	62.81	
CLAYSTONE, brown, soft	0.05	62.86	
SANDSTONE, grey, lithic	0.04	62.90	
MUDSTONE, black to grey with numerous slickensides, core broken at end of run before core loss	0.52	63.42	
CORE LOSS	1.48	64.90	

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CORNWALL COAL MT NICHOLAS D.D.H. 28

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
SANDSTONE, grey, carbonaceous at top, hard	3.045	67.945	
MUDSTONE, black, carbonaceous	1.52	69.465	
SANDSTONE, grey, lithic with numerous carbonaceous bands	0.285	69.750	
<u>COAL</u> , dull to stony	0.165	69.915 )	PLY 2 Thickness 0.445m
MUDSTONE, black, carbonaceous	0.280	70.195 )	
<u>COAL</u> , dull	0.255	70.450 )	PLY 3 Thickness 1.945m
CLAYSTONE, black, coaly	0.040	70.49 )	
<u>COAL</u> , dull	1.120	71.61 )	
CLAYSTONE, black, coaly	0.060	71.67 )	
<u>COAL</u> , dull	0.340	72.01 )	
<u>COAL</u> , stony	0.130	72.14 )	
CLAYSTONE, black to dark brown, carbonaceous to coaly	0.440	72.58	
MUDSTONE, grey, laminated	0.910	73.49	
SANDSTONE, grey, medium, lithic	3.870	77.36	

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	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
MUDSTONE, grey to dark grey or black, carbonaceous to coaly throughout, becoming sandy towards base (mid brown claystone pellets towards base) (marker horizon)	2.780	80.14	
SANDSTONE, grey/white/brown, gradational change from unit above - fine grained to very coarse quartzose phases	1.99	82.13	
MUDSTONE, grey to green/grey or black with minor sandy phases	7.57	89.7	
SANDSTONE, grey, quartz lithic, hard	2.20	91.90	

BASE OF HOLE