

CORNWALL COAL MT DURHAM DDH9

Location: R.L.8815

Logged by: J. Bryan

AMG Co-ordinates: 589803.4E

Drilled by: Stacpoole Drilling

5400462.1N

(Wayne Baldy)

Collar R.L.: 549.1m

Commenced: 10.2.98

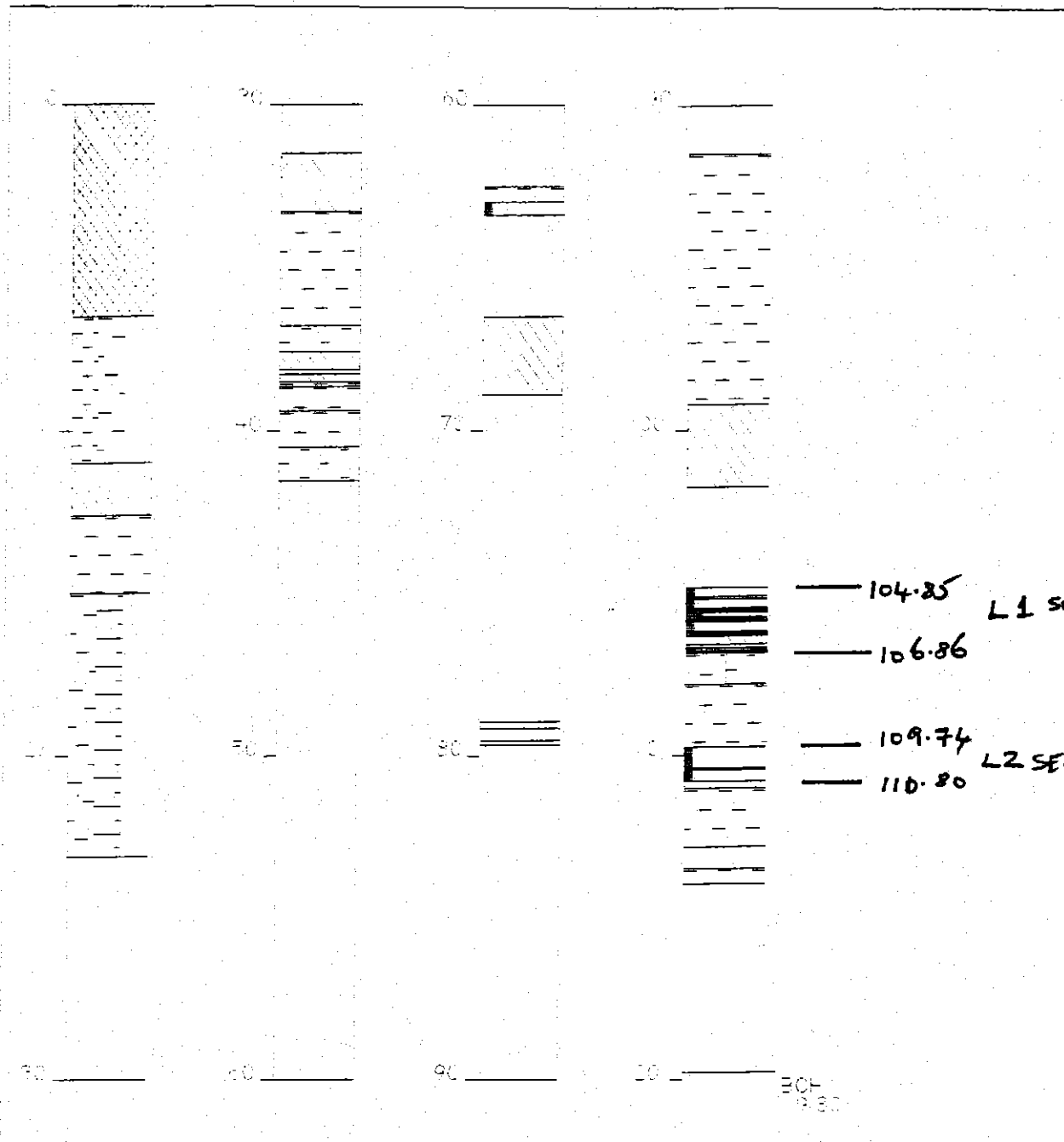
Total Depth: 119.80m

Completed: 13.2.98

	Estimated Thickness (m)	Estimated Depth to Base of Stratum (m)	Remarks
SOIL, SCREE (Not cored)	6.50	6.50	
CLAYSTONE/MUDSTONE/SANDSTONE, weathered	4.50	11.00	
CLAYSTONE, coaly/carbonaceous, black, coaly mudstone, some tuffaceous claystone interbeds	1.60	12.60	
MUDSTONE, grey, hard, grading to partly weathered grey/brown mudstone	2.40	15.00	
MUDSTONE/SILTSTONE/SANDSTONE, interbedded, hard, grey (sandstone and siltstone), soft and weak mudstone towards top	8.10	23.10	
SANDSTONE, grey, lithic, moderate strength, fine grained. Core badly broken at about 30.5m (? Fault) core loss of 1.20m hereabouts.	8.40	31.50	
MUDSTONE, light grey at top grading to dark grey and black; carbonaceous to coaly in part	1.80	33.30	
MUDSTONE, light grey, brecciated, soft, core broken, some core loss	3.50	36.80	
SILTSTONE, grey, hard - grading to mudstone	0.80	37.60	
MUDSTONE, black, carbonaceous	0.55	38.15	
SANDSTONE, grey, fine, lithic	0.13	38.28	
MUDSTONE, laminated, dark brown, carbonaceous	0.24	38.52	
MUDSTONE, tuffaceous? grey/green, soft	0.13	38.65	

	Estimated Thickness (m)	Estimated Depth to Base of Stratum (m)	Remarks
MUDSTONE, laminated, dark brown, microfaulting)	0.75	39.40	
MUDSTONE, grey	1.10	40.50	
SILTSTONE, grey	1.05	41.55	
SANDSTONE, grey, lithic, fine grained at top grading to medium by 43m. Numerous bedding plane breaks. Occasional mudstone bands and coaly fragments, moderate strength, 3 to 10 FPM	20.95	62.50	
MUDSTONE, dark grey, sheared, core broken	0.50	63.00	
COAL, dull, sheared with very thin calcite veins subvertical contact with sandstone below	0.40	63.40	
SANDSTONE, grey, lithic, fine/medium grained; irregular sheared contact at base	3.10	66.50	
MUDSTONE, black, coaly to carbonaceous, relatively soft, sheared; grading to carbonaceous siltstone then to sheared grey mudstone. Subvertical (70°) contact at 68m	2.40	68.90	
SANDSTONE, grey, lithic, fine/medium, hard, massive towards base (0-2 FPM) (moderate to strong)	10.05	78.95	
MUDSTONE, coaly, black/dark brown	0.20	79.15	
SANDSTONE, grey, lithic, medium	0.40	79.55	
MUDSTONE, coaly, dark brown	0.13	79.68	
SANDSTONE, grey, lithic, medium, massive, strong	11.82	91.50	
MUDSTONE, grey/green to grey, hard, laminated in part, some siltstone interbeds, relatively weak	7.70	99.20	
MUDSTONE, black carbonaceous	2.55	101.75	
SANDSTONE, lithic, grey, fine/medium, massive, moderately strong	3.10	104.85	
COAL, dull	0.27	105.12	
MUDSTONE, dark brown/black, carbonaceous	0.06	105.18	
CLAYSTONE, dark grey, hard (Bluestone band)	0.03	105.21	
COAL, dull	0.26	105.47	
MUDSTONE, dark grey, carbonaceous	0.03	105.50	
COAL, dull	0.04	105.54	

	Estimated Thickness (m)	Estimated Depth to Base of Stratum (m)	Remarks
CLAYSTONE, light grey, hard	0.01	105.55	
COAL, dull	0.05	105.60	
COAL, dull with minor bright bands	0.15	105.75	
CLAYSTONE, light grey 60% MUDSTONE, black 40%	0.04	105.79	
COAL, dull	0.06	105.85	
CLAYSTONE, light grey	0.01	105.86	
COAL, dull	0.01	105.87	
CLAYSTONE, tuffaceous, light brown, hard	0.02	105.89	
COAL, dull	0.29	106.18	
CLAYSTONE, tuffaceous, light brown, hard	0.04	106.22	
COAL, dull	0.03	106.25	
COAL, bright with minor dull bands	0.05	106.30	
CLAYSTONE, dark grey, carbonaceous	0.04	106.34	
MUDSTONE, black, carbonaceous to coaly	0.24	106.58	
COAL, dull to stony	0.11	106.69	
CLAYSTONE, dark grey, hard	0.01	106.70	
COAL, dull	0.08	106.78	
CLAYSTONE, tuffaceous, light brown	0.03	106.81	
COAL, dull	0.03	106.84	
CLAYSTONE, light grey	0.01	106.85	
COAL, dull	0.01	106.86	
MUDSTONE & SILTSTONE (interbedded), grey, relatively weak	0.94	107.80	
MUDSTONE, grey to grey/green, relatively weak	1.94	109.74	
COAL, dull, slickensided, core broken, calcite	0.65	110.39	
CLAYSTONE, light grey, waxy, ?tuffaceous	0.05	110.44	
COAL, dull, core broken, calcite on cleat	0.36	110.80	
MUDSTONE/CLAYSTONE, dark brown, carbonaceous, coaly in part	0.22	111.02	
MUDSTONE, grey, laminated	1.80	112.82	
SANDSTONE, grey, lithic, fine grained	0.67	113.49	
MUDSTONE, grey, laminated	0.48	113.97	
SANDSTONE, grey, lithic, fine to medium, massive, relatively strong unit	5.83	119.80	T.D. 119.80



- COAL (Dark)
- COAL (Light)
- SILTSTONE
- SANDSTONE
- MUDSTONE
- CLAYSTONE
- NON-COAL

- COAL (Dark)
- COAL (Light)

CORNWALL COAL
 DEPT 9
 DATE DRILLED: 13/2/98
 GEOLGIAN: MBGS
 LOGGED BY: Bryan
 SCALE: 1:100

