

CORNWALL COAL D.D.H. CC 8

Break O'Day

1:100 000

Sheet 8514

Logged By: C.F.R. ParburyDrilled By: Assoc. Diamond

Drillers

Commenced: 7.1.80Location: Mt DurhamA.M.G. Co-ordinates: E 588 900

N 5398 950

Collar R.L.: 530 m a.s.l. approx.Total Depth: 137 mFor: Cornwall Coal CompanyCompleted: 21.1.80

	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
SCREE, dolerite fine to medium, boulders in matrix of red clay, broken	46.600	46.600	
SANDSTONE, light grey, fine to medium, quartz-lithic, sub- angular to subrounded, moderately to well sorted, well cemented, well bedded, carbonaceous material defines parallel to wavy laminations, carbonaceous to coaly fragments sporadic throughout, minor claystone clasts flattened in plane of bedding, massive to thickly bedded	37.512	84.112	

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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 with minor bright bands, abrupt upper and lower bounding surfaces	0.335	84.447	
SANDSTONE, mid to light grey, fine to medium, lithic, well cemented, massive	0.953	85.400	
CLAYSTONE, dark grey, siltstone lamellae throughout, minor plant fossils along partings, well bedded, thin	1.741	87.141	
<u>COAL</u> , dull, badly broken	0.220	87.361)
)
CLAYSTONE, brown grey	0.062	87.423)
)
<u>COAL</u> , dull, badly broken	0.510	87.933)
) Cornwall
CLAYSTONE, brown grey	0.030	87.963) Coal
) Member
<u>COAL</u> , dull	0.050	88.013)
) Thickness:
CLAYSTONE, brown grey, broken	0.040	88.053) 1.425m
)
<u>COAL</u> , dull	0.120	88.173)
)
CLAYSTONE, dark brown grey	0.028	88.201)
)
<u>COAL</u> , dull, broken	0.365	88.566)
)
SILTSTONE, brown grey, abrupt upper bounding surface with overlying coal	0.270	88.836	

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	<u>Estimated Thickness (m)</u>	<u>Estimated Depth to Base of Stratum (m)</u>	<u>Remarks</u>
SANDSTONE, light grey, fine to medium, quartz lithic, moderately well sorted, well cemented, thickly bedded, slabby to massive, minor laminations of carbonaceous material parallel to wavy, rip up clasts of carbonaceous claystone irregular to rounded at 100.8 m, fracture infilled with pyrite subparallel to LCA at 107 m wisps and lenses of rip up clasts of carbonaceous claystone below 107 m	19.469	108.305	
CLAYSTONE, mid grey, laminated with siltstone, abrupt upper bounding surface, graded lower bounding surface	0.400	108.705	
CLAYSTONE, coaly	0.295	109.000)
)
CLAYSTONE, dark grey, carbonaceous, fine sandstone throughout	0.430	109.430) Fenton Coal Member
)
CLAYSTONE, coaly, hard	0.180	109.610) Thickness:
)
CLAYSTONE, cream grey, fissile	0.012	109.622) 1.931 m
)
<u>COAL</u> , stony	0.407	110.029)

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CLAYSTONE, dark grey, carbonaceous to coaly, sandstone fine sporadic throughout	0.300	110.329))))
<u>COAL</u> , dull with minor bright bands, minor claystone pennybands	0.307	110.636)))
SILTSTONE, carbonaceous at top, mid grey, pyrite blebs at top, wavy laminations, minor disturbed bedding	0.792	111.428	
SANDSTONE, mid grey, fine, minor plant fossil impressions, phases of rip up clasts of carbonaceous claystone, clasts flattened in plane of bedding, phases up to 0.4 m thick, moderately well bedded, six fractures inclined 45° to LCA, fractures planar regular, minor calcite infilling fractures, wisps and lenses of claystone exhibit post lithification deformation microfaulting, minor slicken- siding along fracture surfaces	9.648	121.076	

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CLAYSTONE, brown buff, intra-formational clasts of same colour throughout, well bedded, slabby to flaggy	1.410	122.486	
CLAYSTONE, brown black, carbonaceous, coaly in part	0.118	122.604	
CLAYSTONE, grey brown, massive, graded upper and lower bounding surface	0.190	122.794	
<u>COAL</u> , dull with minor bright bands	0.350	123.144	
SILTSTONE, brown grey, sandstone phases throughout	0.410	123.554	
SANDSTONE, light to mid grey, brown at top 1 m, medium, lithic, moderately to poorly sorted, well bedded, slabby to flaggy, poorly cemented in part, below 130 m well cemented and massive	13.446	137.000	

BASE OF HOLE