

National Coal Board, Opencast Executive.

Vertical Section

AUSTIN SITE 050615.

6" O. S. Sheet. Derbys. 31 NW.
N.G.R. of centre 43/456645
SK46SE

This is a composite section and does not represent any particular series of boreholes. Lateral variations, affecting particularly the measures over the Top Hard is averaged, but overall thicknesses are representative.

<u>Strata</u>	<u>Thickness</u>	<u>Total</u>
Sandy shale & mudstone, seen	24 - 0	
Sandstone	3 - 0	27 - 0
Silty Mudstone	16 - 0	43 - 0
Dark Mudstone	1 - 6	44 - 6
COAL, impersistent, about	9	45 - 3
Sandy mudstone	9 - 0	54 - 3
Mudstone	17 - 6	71 - 9
Dark mudstone or shale	2 - 6	74 - 3
Seatearth	3 - 0	77 - 3
Siltstone and Sandy Mudstone	15 - 0	92 - 3
Black Mudstone or shale	5 - 0	97 - 3
Dark Mudstone	7 - 0	104 - 3
COAL: <u>SOUGH</u> or <u>TWO-FOOT</u> CLOWNE	2 - 8	106 - 11
Seatearth	2 - 3	109 - 2
Sandstone & sandy mudstone	11 - 0	120 - 2
Mudstone	6 - 0	125 - 2
Black Shale	7 - 6	133 - 8
Dark Mudstone	1 - 6	135 - 2
Seatearth	2 - 0	137 - 2
COAL, impersistent	1	137 - 3
Seatearth	3 - 11	141 - 2
Mudstone	1 - 6	142 - 8
Sandstone	1 - 8	144 - 4
Mudstone	2 - 0	146 - 4
Siltstone or Sandy Mudstone	15 - 0	161 - 4
Sandstone	8 - 0	169 - 4
Dark Mudstone	9 - 0	178 - 4
COAL, Shaly } FURNACE	4	
Clunch }	3	
COAL, Shaly }	11	179 - 10
Clunch	3 - 11	183 - 9
Grey Hind	1 - 0	184 - 9
COAL & Clunch	2	184 - 11
Mudstone	8	185 - 7
COAL & Clunch	3	185 - 10
Clunch	8	186 - 6
COAL, Shaly	6	187 - 0
? Seatearth	3 - 6	190 - 6
Sandstone & Sandy Mudstone	25 - 0	215 - 6
Dark Mudstone	9 - 0	224 - 6
Very Dark Mudstone or Shale	16 - 0	240 - 6
COAL : TOP BEANSHAW	1 - 6	242 - 0
Fireclay	9	242 - 9
COAL	1	242 - 10
Seatearth	2 - 0	244 - 10
Sandstone & Silty Mudstone	12 - 0	256 - 10
Mudstone	5 - 0	261 - 10
Dark Mudstone	2 - 0	263 - 10
COAL : LOW BEANSHAW } LOW BRIGHT (FURNACE)	1 - 3	265 - 1

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<u>Strata</u>	<u>Thickness</u>	<u>Total</u>
Fireclay	3	265 - 1
COAL, Shaly	6	265 - 4
Seatearth	2 - 0	267 - 10
Mudstone	22 - 0	289 - 10
Sandstone	12 - 0	301 - 10
Sandy Mudstone	10 - 0	311 - 10
Mudstone	15 - 0	326 - 10
COAL	4	
COAL & Clunch	4	327 - 6
Seatearth	2 - 4	
Black Shale	6	
COAL	3 - 0	333 - 4
Seatearth	2 - 0	335 - 4
Sandstone	11 - 0	346 - 4
Mudstone	7 - 0	353 - 4
COAL	6	353 - 10
Dark Seatearth	2 - 6	356 - 4
Mudstone	19 - 0	375 - 4
Dark Mudstone	6 - 0	381 - 4
Mudstone	16 - 0	397 - 4
Dark Mudstone to Black Shale	8 - 0	405 - 4
COAL: ? 1st ST. JOHN'S	1 - 6	406 - 10
Seatearth	3 - 0	409 - 10
Mudstone, dark at base	17 - 0	426 - 10
COAL	3	427 - 1
Dark Seatearth	2 - 0	429 - 1
Sandstone & Sandy Mudstone	9 - 0	438 - 1
Mudstone	7 - 0	445 - 1
Dark Mudstone	2 - 6	447 - 7
Sandy Mudstone or Siltstone	10 - 0	457 - 7
Dark Mudstone	4 - 0	461 - 7
COAL	8	462 - 5
Seatearth	2 - 0	464 - 5
Silty Mudstone	20 - 0	484 - 5
COAL	3	484 - 8
Sandstone	8 - 0	492 - 8
Mudstone	15 - 0	507 - 8
Dark Mudstone	3 - 6	512 - 2
COAL	3	511 - 5
Seatearth	2 - 0	513 - 5
Sandstone and Siltstone	19 - 0	532 - 5
Sandstone	35 - 0	567 - 5
Mudstone, not persistent, occasionally with 2' 0" Black Shale	6 - 0	573 - 5
Sandstone	40 - 0	613 - 5
Mudstone	8 - 0	621 - 5
Black Shale, sometimes COALY	2 - 0	623 - 5
Mudstone	19 - 0	642 - 5
Dark Mudstone	6 - 0	648 - 5
COAL	2	648 - 7
Seatearth	3 - 0	651 - 7
Sandstone	2 - 6	654 - 1
Silty Mudstone	13 - 0	667 - 1
Mudstone	9 - 0	676 - 1
Black Shale, occ. COALY	1 - 0	677 - 1
Silty Sandstone	23 - 0	700 - 1
Sandstone	7 - 0	707 - 1
Mudstone	3 - 0	710 - 1



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<u>Strata</u>	<u>Thickness</u>	<u>Total</u>
Seatearth	3 - 0	716 - 1
Mudstone	10 - 0	729 - 1
Siltstone & Sandy Mudstone	28 - 0	757 - 1
Silty Sandstone	16 - 0	773 - 1
Sandstone	16 - 0	789 - 1
Mudstone	13 - 0	802 - 1
COAL	3 - 6	
Dirt	5	
COAL	2	806 - 2
Mudstone	27 - 0	833 - 2
Black Shale or Mudstone	3 - 0	836 - 2
COAL : 1st WATERLOO	4 - 4	840 - 6
Seatearth - seen	2 - 6	843 - 0

1/12
12/1/160