



SK 47 SE / 18

SECTION OF BOLSOVER COLLIERY, No. 10 Underground Borehole,
(on 11's return airway, west level)

PURPOSE drilled from Deep Hard roadway to prove seams down to
the Threeparters

EXACT SITE National Co-ordinates :

E 445380

N 370302

✓ agrees with NCB
Super plan 1976

LEVEL AT WHICH ~~start~~ ^{bore} COMMENCED RELATIVE TO O.D. - 1640 ft.

DATE OF SINKING OR BORING May - June, 1960

SINKER OR BORER N.C.B. rig.

| | |
|--|---------|
| 6-inch Map | N/W |
| KEYS | 15 |
| (County, Sheet and Grid) | |
| | 112/269 |
| (Nat. Grid, Sheet and Grid) | |
| Attach tracing from a map or sketch map if possible | |
| One copy of this by with site plan to E. G. Smith. RMB 6-10-60 | |

| GEOLOGICAL CLASSIFICATION | NATURE OF STRATA | THICKNESS | | DEPTH | |
|--------------------------------------|--|-----------|-----|-------|-----|
| | | FEET | IN. | FEET | IN. |
| UPPER CARBONIFEROUS WESTPHALIAN A | No Cores | 12 | 0 | 0 | 0 |
| Siltstones | grey, muddy in parts, few sandy laminae, occasional ripples, worm burrows, strap-plants, occasional "ferns", little micaceous. | 18 | 0 | 12 | 0 |
| Mudstone | Passage silty, grey, worm burrows, few strap-plants, vague laminae, ironstone lenses, a small pyritic lamellibranch at 33/0. | 4 | 6 | 30 | 0 |
| Mudstone | grey, light and dark laminae, shaly near base, ironstone lenses, "tracks", Sinuities @ 36/0, few non-marine lamellibranch fragments around 37/6, Cynochorte @ 39/0, darker in basal 0/3 | 4 | 6 | 34 | 6 |
| COAL | FIRST PIFER: Complete core | 1 | 6 | 39 | 0 |
| Mudstone | Blackish, listric, shaly, coal laminae, Stigmara, Lycopods. | 2 | 7 | 40 | 6 |
| COAL | bright, very even laminae. | 0 | 2 | 43 | 1 |
| Seat Earth | Siltstone, grey, listric, Stigmara, strap-plants, irregular ironstone nodules: 44/6 - 45/6 | 2 | 9 | 43 | 3 |
| | Mudstone, blackish, listric, shaly, Lycopods, strap-plants, Stigmara. | 0 | 10 | 46 | 0 |
| COAL | dirty | 0 | 5 | 46 | 10 |
| COAL | SECOND PIFER: | 1 | 8 | 47 | 3 |
| Seat Earth | Siltstone, fine, unbedded, listric, Stigmara, root nodules 54/0 - 54/0 | 6 | 1 | 48 | 11 |
| Siltstone | Passage light grey, rootlets, unbedded | 5 | 0 | 55 | 0 |
| Siltstone | light grey, vague laminae in parts, sandy in parts, rare plant fragments, poorly graded | 6 | 0 | 60 | 0 |
| Sandstone | Passage fine, light grey, laminated in parts, micaceous, plant debris. | 4 | 6 | 66 | 0 |
| | | | | 70 | 6 |

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SK47SE/18

6-inch Map

B/H

XXVI

NW

LS

SECTION OF BULLOVER COLLIERY. No. 10 Underground Borehole.

| GEOLOGICAL CLASSIFICATION | NATURE OF STRATA | THICKNESS | | DEPTH | |
|------------------------------|--|-----------|-----|-------|-----|
| | | FEET | IN. | FEET | IN. |
| WESTPHALIAN A | | | | | |
| Siltstone | light grey, vague laminae in parts, sandy in parts occasional plants shreds, poorly graded | 7 | 5 | | |
| | Sharp | | | 77 | 11 |
| Mudstone | grey, dark grey, shaly, Ostracods | 0 | 3 | | |
| | Passage | | | 78 | 2 |
| Canal | blackish, vitreous 78/7 - 80/4, shaly elsewhere, Ostracods in top 0/4, pyritic Anthracosid 0 78/6, fish spine 0 80/0 | 2 | 0 | | |
| | Passage | | | 80 | 2 |
| Mudstone | dark grey, shaly, occasional Ostracods non-marine lamellibranch fragments | 0 | 2 | | |
| | Passage | | | 80 | 4 |
| Mudstone | well laminated, light and dark laminae two ironstone layers | 2 | 0 | | |
| | | | | 82 | 4 |
| Shale | blackish, channelly, fish remains, Ostracods | 0 | 4 | | |
| | | | | 82 | 8 |
| Siltstone | Mussel band; fine ferruginous, crowded calcic Carbonicola | 0 | 7 | | |
| | | | | 83 | 3 |
| Mudstone | grey, vague laminae, few fish remains | 1 | 1 | | |
| | | | | 84 | 4 |
| COAL | brights, complete cone, 0/3 dirt band 0 0/2 up | 0 | 9 | | |
| | | | | 85 | 1 |
| Seat Earth | Mudstone, passing into Siltstone in middle third, grey, listric, unlaminated, Stigmatis, shaly with guillemotites near base, few irregular ironstone lenses in basal foot | 3 | 2 | | |
| | Sharp, irregular | | | 88 | 3 |
| Siltstone | and fine sandstone, light and pale grey, interlaminated, micaceous, ripples, worm burrows, 'strap plants', non-marine lamellibranchs (small) 0 94/6 | 7 | 0 | | |
| | | | | 95 | 3 |
| Siltstone | grey, many sandy laminae, many "tracks", plant debris planes, few ripples | 2 | 3 | | |
| | Passage | | | 97 | 6 |
| Siltstone, | fine, grey, vague laminae few non-marine lamellibranch fragments, common worm burrows, few small Anthracosids 99/6 - 100/6, occasional ironstone bands and lenses | 5 | 0 | | |
| | Passage | | | 102 | 6 |
| Mudstone | silty, grey, vague laminae, 'tracks', few non-marine lamellibranchs (some with paired but open valves) | 1 | 6 | | |
| | Passage | | | 104 | 0 |
| Mudstone | grey, vague laminae, few Anthracosids and Naiadites (except in light and dark laminae band with Sinusites: 0/3 0 105/0), ironstone lens; Ostracods near base | 2 | 6 | | |
| | Sharp | | | 106 | 6 |
| Mudstone | Mussel band; ferruginous, abundant large calcic Carbonicola | 1 | 9 | | |
| | | | | 108 | 3 |
| Mudstone | grey, darkish, many large Carbonicola, scattered Ostracods, few lenticular ironstone bands, few 0/1 layers with crowded mussels, | 7 | 3 | | |
| | | | | 115 | 6 |
| Shale | blackish occasional shell and plant fragments, abundant small "bieds", Legidodendron near base | 1 | 6 | | |
| | | | | 117 | 0 |

P6227-04

SK47SE18

Line Map

B/H
15

SECTION OF BGLSOVER COLLIERY. No. 10 Underground Borehole.

| GEOLOGICAL CLASSIFICATION | NATURE OF STRATA | THICKNESS | | DEPTH | |
|------------------------------|--|-----------|-----|-------|-----|
| | | FEET | IN. | FEET | IN. |
| WESTPHALIAN A | | | | | |
| Mudstone | blackish, and COAL interlaminated, Stigmaria, a 1/2" irregular pale gritty layer | 0 | 3 | 117 | 3 |
| Seat Earth | Siltstone, fine, blackish Mudstone with coal laminae in top 0/2, Stigmaria, many root-modules: 117/9 - 118/6 | 2 | 2 | 119 | 5 |
| Sandstone | Sharp irregular fine, off-white, Stigmaria, irregular micaceous planty planes | 0 | 6 | 119 | 11 |
| Mudstone | silty, dark grey, abundant rootlets, few sandy bands with micaceous planty planes | 5 | 10 | 125 | 9 |
| Shale | blackish, few Ostracods | 1 | 9 | 127 | 6 |
| Mudstone | Passage dark grey, shaly, abundant Carbonicola (large, calcic, tending to concentrate in layers) abundant Ostracods including Geisena arcuata | 9 | 0 | 136 | 6 |
| Mudstone | grey, unlaminated, few Carbonicola, dark and shaly near base with fish, guillemites near base | 2 | 1 | 138 | 7 |
| COAL | TOPTON and dirt 3/9 COAL 3/0 about 0/8 core lost towards top | 6 | 9 | 145 | 4 |
| Seat Earth | Mudstone, creamy grey, listric, Stigmaria, Sharp | 0 | 11 | 146 | 3 |
| Sandstone | fine, massive, off-white, creamy near top, greenish in part, abundant rootlets | 5 | 9 | 151 | 0 |
| Siltstone | Interbedded coarse, light grey, mainly massive, but sandy with laminae in few parts, scattered mica, many 'strap-plants', Calamites | 8 | 0 | 159 | 0 |
| Siltstone | Passage sandy laminae, micaceous planty planes, even laminae, occasional ripples | 3 | 0 | 162 | 0 |
| Sandstone, | Interbedded fine, off-white, very micaceous planty planes, more massive basally | 4 | 0 | 166 | 0 |
| Siltstone, | Sharp light grey, unlaminated, worm burrows, ferruginous patches around oblique bedded plant stems, Fine Sandstone layers: in top foot and basal 0/6, Pelecypodichnus in basal 0/6 | 3 | 6 | 169 | 6 |
| Sandstone | Sharp fine, massive, greenish white, well cemented (Cank) Sharp | 0 | 6 | 170 | 0 |
| Siltstone | fine, grey, 'tracks' vague laminae, a small non-marine Lamellibranch 172/6, muddy and well laminated near base | 4 | 0 | 174 | 0 |
| COAL | THREQUARTERS: bright, fragmented near top and at base | 2 | 9 | 176 | 9 |
| Seat Earth | 1) Siltstone, dark grey, strap plants, rootlets, unbedded | 0 | 5 | 177 | 2 |
| | 2) Sandstone, light grey, vague laminae, plant fragments, rootlets | 1 | 4 | 178 | 6 |

P622T-OM



SECTION OF ... ROLCOVER COLLIERY. No. 10 Underground Borehole.

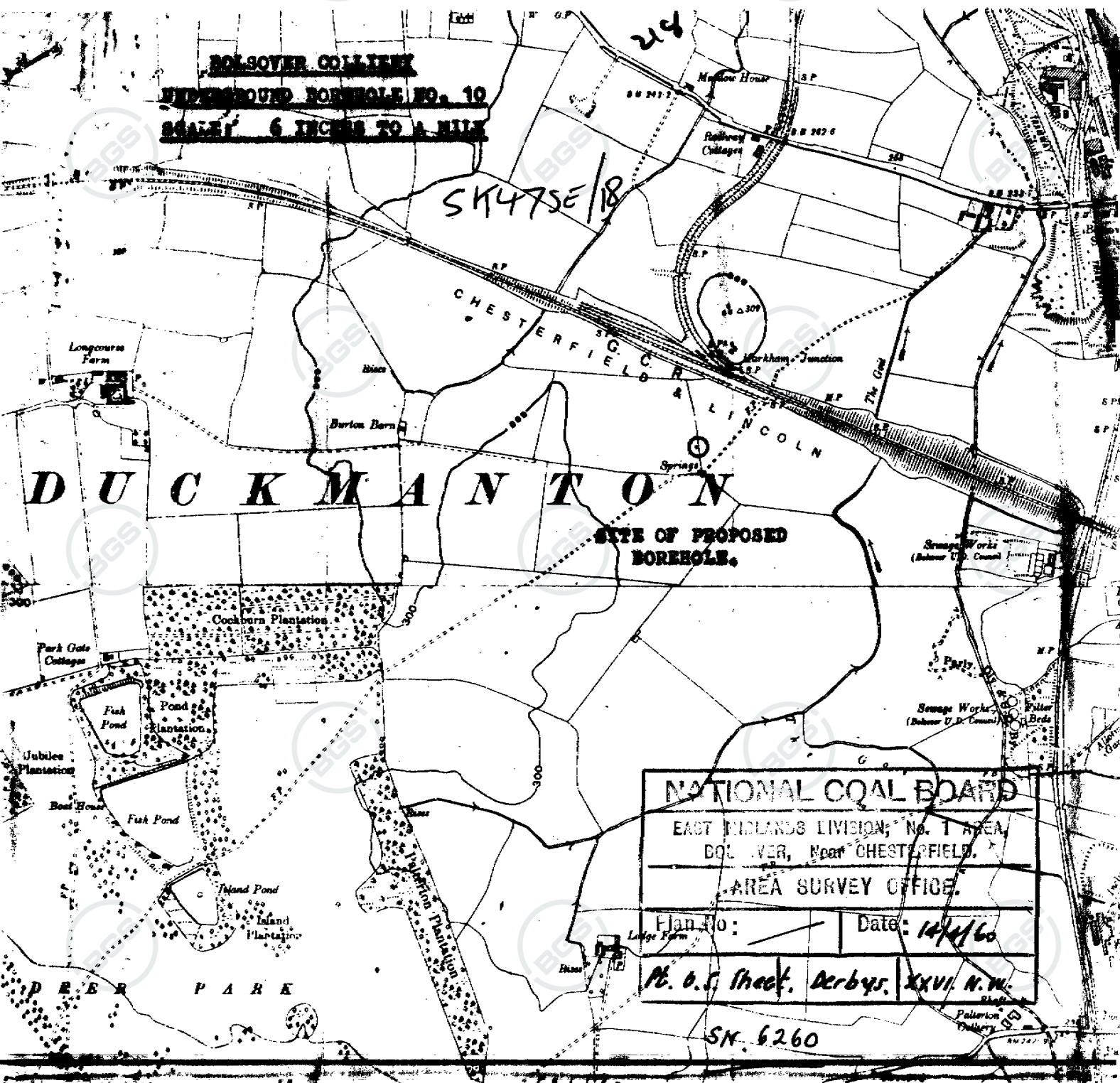
6-inch ap
SK47SE18

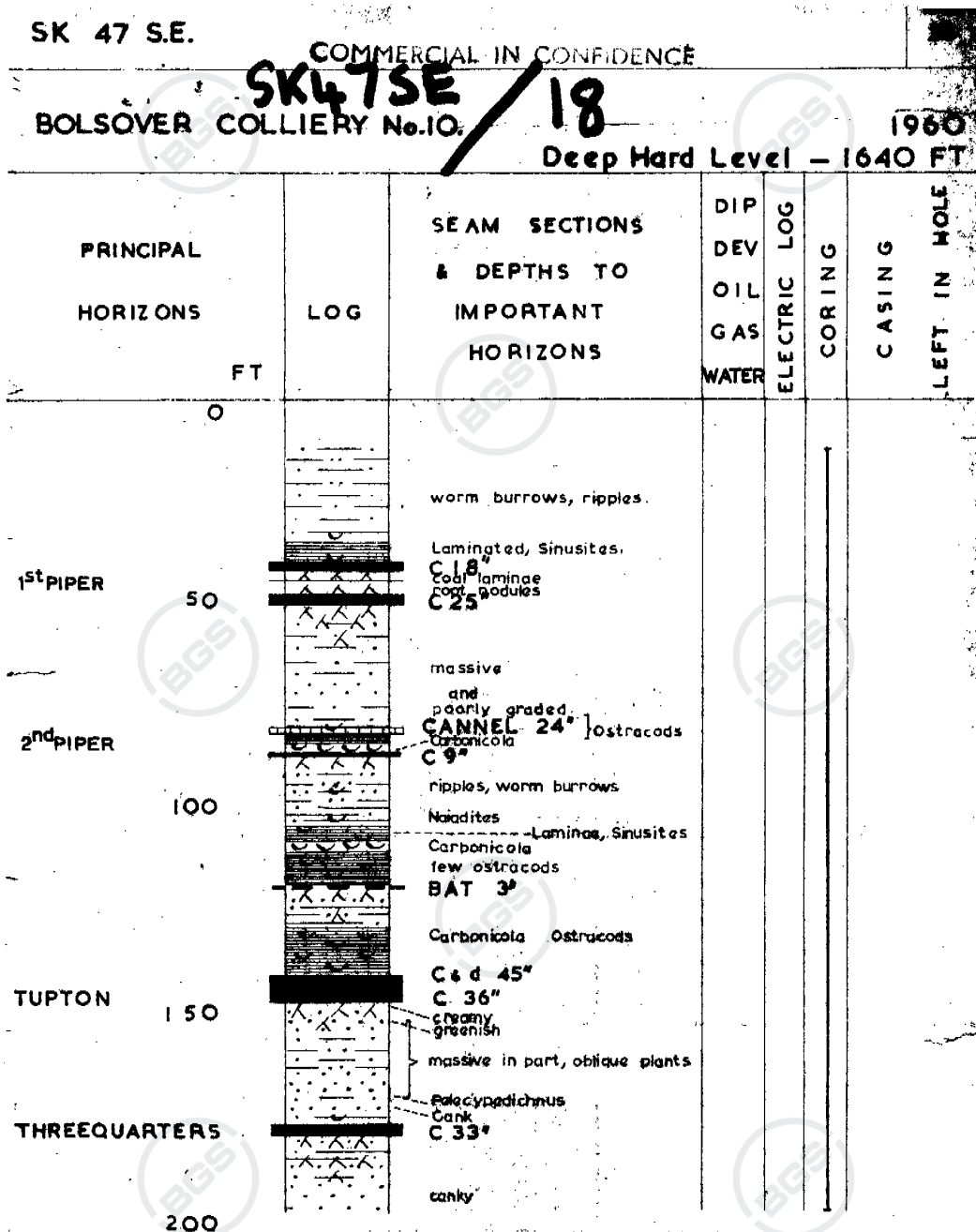
B/H
LS

| GEOLOGICAL CLASSIFICATION | NATURE OF STRATA | THICKNESS | | DEPTH | |
|---------------------------|--|-----------|-----|-------|-----|
| | | FEET | IN. | FEET | IN. |
| WESTPHALIAN A | 3) Siltstone, sandy, vague laminae, rootlets, small ironstone nodules | 0 | 5 | 170 | 0 |
| Siltstone | fine, dark grey, rootlets, unlaminated, sharp | 1 | 6 | 170 | 6 |
| Seat Earth | 1) Mudstone, listric, rootlets, creamy grey | 0 | 6 | 171 | 0 |
| | 2) Sandstone, fine, well oriented, unlaminated, bituminous, ferruginous pitted | 1 | 6 | 172 | 6 |
| Siltstones | and fine sandstone, thickly interbedded, laminar in parts, rootlets near top, some burrows, few micaceous platy planes | 7 | 0 | 179 | 6 |
| Sandstone | fine, off-white, mainly tough with calcite vein, few micaceous platy planes | 4 | 6 | 184 | 0 |
| BOTTOM OF HOLE | | | | | |

OS. May 1981

PG227-CN





DEPTH OF BOREHOLE 194'0"

N.G. CO-ORDS E 445400
N.370300

N.B. Cores examined by R. E Elliott Geologist N.C.B.

N.C.B. E.M.D. No.1. AREA.