SK47SE/18

6-inch Map	6/N Map No.
(County, Sheet and Qtr.)	15
(Nat. Grid, Sheet and Qtr.)	1"112/264

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 Threequarters

EXACT SITE National Co-ordinates :

E 445380 ✓ agrees with NCB
N 370302 Sykes plan 1976

Attach tracing from a map or sketch map if possible

One copy ? thereof with site plan to E. G. Smith. DMAP 6-10-60.

LEVEL AT WHICH ~~bore~~ COMMENCED RELATIVE TO O.D. - 1640 ft.

DATE OF SINKING OR BORING May - June. 1960

SINKER OR BORER N.C.B. rig.

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS FEET	THICKNESS IN.	DEPTH FEET	DEPTH IN.
UPPER CARBONIFEROUS WESTPHALIAN A				0	0
	No Cores	12	0		
Siltstones	grey, muddy in parts, few sandy laminae, occasional ripples, worm burrows, strap-plants, occasional "ferns", little micaceous.			12	0
		18	0		
	Passage			30	0
Mudstone	silty, grey, worm burrows, few strap-plants, vague laminae, ironstone lenses, a small pyritic lamellibranch at 35/0.	4	6		
				34	6
Mudstone	grey, light and dark laminae, shaly near base, ironstone lenses, 'tracks', Sirusites @ 36/0, few non-marine lamellibranch fragments around 37/6, Cypracharis @ 39/0, darker in basal 0/6	4	6		
				39	0
COAL	FIRST PIPER: Complete core	1	6		
				40	6
Mudstone	blackish, listric, shaly, coal laminae, Stigmaria, Lycopods,	2	7		
				43	1
COAL	bright, very even laminae.	0	2		
				43	3
Seat Earth	Siltstone, grey, listric, Stigmaria, strap-plants, irregular ironstone nodules:44/6 - 45/6	2	9		
				46	0
	Mudstone, blackish, listric, shaly, Lycopods, strap-plants, Stigmaria.	0	10		
				46	10
COAL	dirty	0	5		
				47	3
COAL	SECOND PIPER:	1	8		
				48	11
Seat Earth	Siltstone, fine, unbedded, listric, Stigmaria, root nodules 51/0 - 54/0	6	1		
	Passage			55	0
Siltstone	light grey, rootlets, unbedded	5	0		
				60	0
Siltstone	light grey, vague laminae in parts, sandy in parts, rare plant fragments, poorly graded	6	0		
	Passage			66	0
Sandstone	fine, light grey, laminated in parts, micaceous, plant debris.	4	6		
				70	6

F621T-OM

SK47SE/18

6-inch Map XXVI NW | B/H L5

SECTION OF BOLSOVER COLLIERY. No. 10 Underground Borehole.

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS FEET	THICKNESS IN.	DEPTH FEET	DEPTH 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
Cannel	blackish, vitreous 78/7 - 80/4, shaly elsewhere, Ostracods in top 0/4, pyritic Anthracosid @ 79/6, fish spine @ 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, cannelly, 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 core. o/3 dirt band @ 0/2 up	0	9		
				85	1
Seat Earth	Mudstone, passing into Siltstone in middle third, greys, listric, unlaminated, Stigmaria, shaly with guilielmites near base, few irregular ironstone lenses in basal foot	3	2		
	Sharp, irregular			88	3
Siltstone	and fine Sandstone, light and pale grey, interluminated, micaceous, ripples, worm burrows, 'strap plants', non-marine lamellibranchs (small) @ 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 @ 105/0), ironstone lens; Ostracods near base	2	6		
	Sharp			106	6
Mudstone	Mussell 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", Lepidodendron near base	1	6		
				117	0

F622T-CW

SK47SE/18

Index Map | B/H 15

SECTION OF BOLSOVER COLLIERY. No. 10 Underground Borehole.

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS FEET	THICKNESS IN.	DEPTH FEET	DEPTH IN.
WESTPHALIAN A					
Mudstone	blackish, and COAL interlaminated, Stigmaria, a ½" irregular pale gritty layer	0	3		
				117	3
Seat Earth	Siltstone, fine, blackish Mudstone with coal laminae in top 0/2, Stigmaria, many root-nodules: 117/9 - 118/6	2	2		
	Sharp irregular			119	5
Sandstone	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		
	Passage			127	6
Mudstone	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, guilielmites 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, listrict, Stigmaria,	0	11		
	Sharp			146	3
Sandstone	fine, massive, off-white, creamy near top, greenish in part, abundant rootlets	5	9		
	Interbedded			151	0
Siltstone	coarse, light grey, mainly massive, but sandy with laminae in few parts, scattered mica, many 'strap-plants', Calamites	8	0		
	Passage			159	0
Siltstone	sandy laminae, micaceous planty planes, even laminae, occasional ripples	3	0		
	Interbedded			162	0
Sandstone,	fine, off-white, very micaceous planty planes, more massive basally	4	0		
	Sharp			166	0
Siltstone,	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		
	Sharp			169	6
Sandstone	fine, massive, greenish white, well cemented (Cank)	0	6		
	Sharp			170	0
Siltstone	fine, grey, 'tracks' vague laminae, a small non-marine lamellibranch @ 172/6, muddy and roll laminated near base	4	0		
				174	0
COAL	THREEQUARTERS: 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

F622T-OM

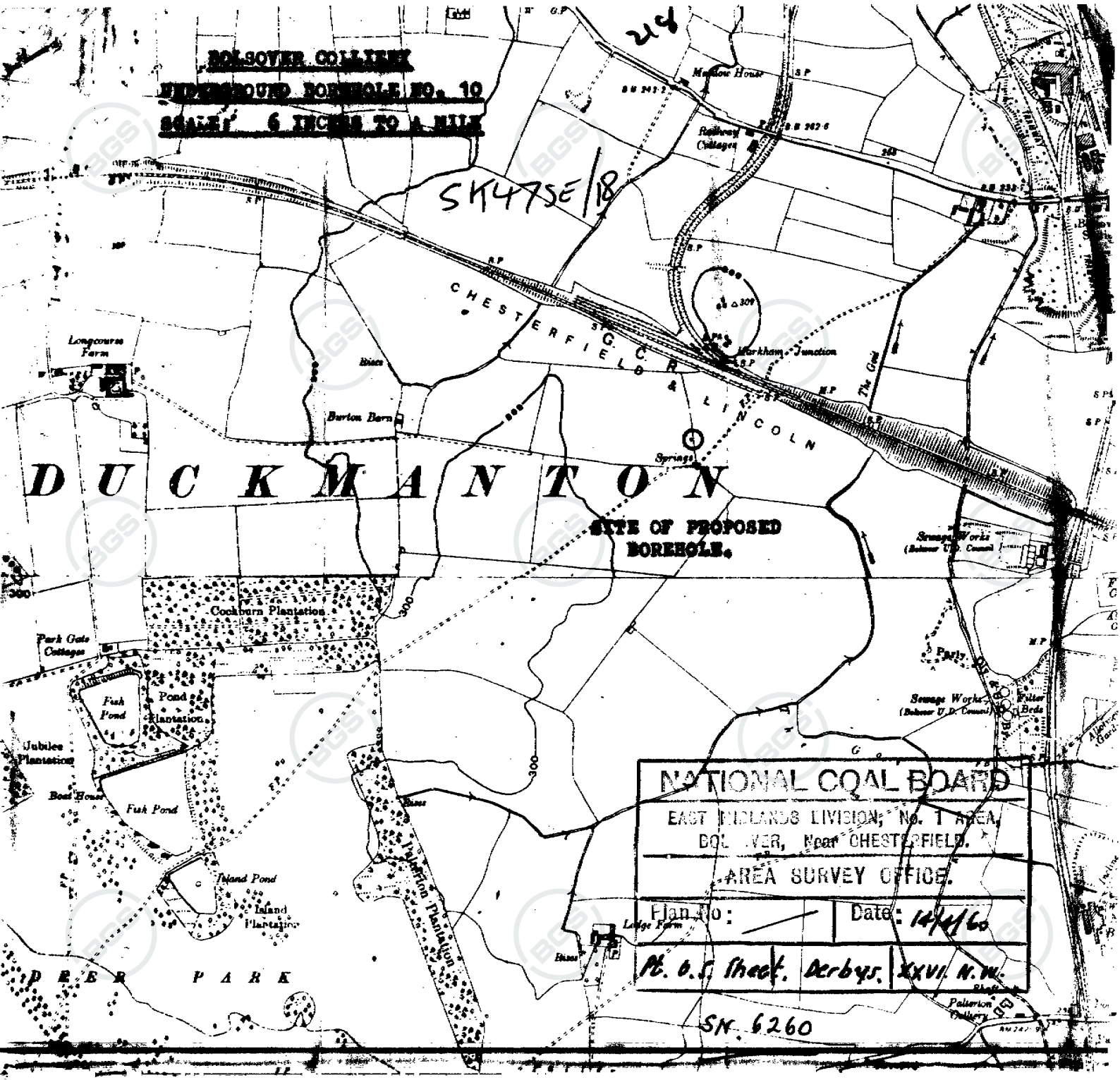
6-inch map SK47SE 18 B/H 15

SECTION OF BOLSOVER COLLIERY. No. 10 Underground Borehole.

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS FEET	THICKNESS IN.	DEPTH FEET	DEPTH IN.
WESTPHALIAN A	3) Siltstone, sandy, micaceous laminae, rootlets, small ironstone nodules	0	5	179	0
Siltstone	fine, dark grey, rootlets, unlaminated, sharp	1	6	180	6
Seat Earth	1) Mudstone, listric, rootlets, creamy grey, hard granular	0	6	181	0
	2) Sandstone, fine, well cemented, calcareous, Stigmaria, ferruginous patches	1	6	182	6
Siltstones	and fine sandstone, highly interbedded, laminae in parts, rootlets near top, some burrows, few micaceous planty planes	7	0	189	6
Sandstone	fine, off-white, mainly tough with calcite vein, few micaceous planty planes	4	6	194	0
	BOTTOM OF HOLE				

B. May 1981

F6227-OM


BOLSOVER COLLIERY
UNDERGROUND BOREHOLE NO. 10
SCALE 6 INCHES TO A MILE
SK47SE/18
24
Meadow House
Railway Cottages
CHESTERFIELD
G.C.R.
&
LINCOLN
Longcourse Farm
Barlborough Junction
Burton Barn
Springs
DUCKMANTON
SITE OF PROPOSED BOREHOLE.
Cockburn Plantation
Park Gate Cottages
Fish Pond
Pond
Plantation
Jubilee Plantation
Boat House
Fish Pond
Inland Pond
Inland Plantation
Palterton Plantation
Lodge Farm
DEER PARK
Sewage Works
Parly.
Fuller Beds
Palterton Colliery
NATIONAL COAL BOARD
EAST MIDLANDS DIVISION, No. 1 AREA,
BOLSOVER, Near CHESTERFIELD.
AREA SURVEY OFFICE.
Plan No: —
Date: 14/4/60
Ab. O.S. Sheet. Derbys. XXVI. N.W.
SK. 6260

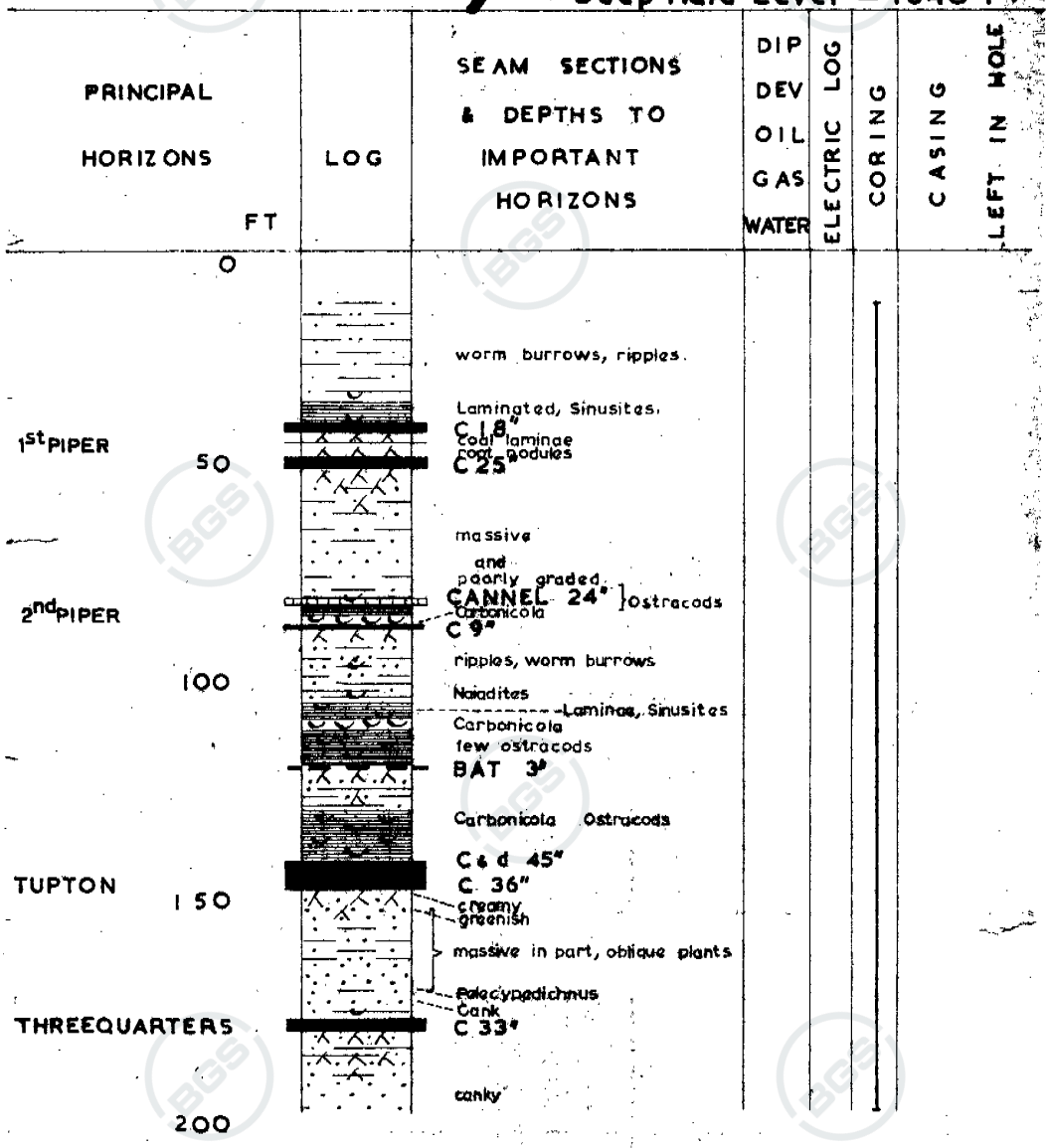
SK 47 S.E.

COMMERCIAL IN CONFIDENCE

SK47SE/18

BOLSOVER COLLIERY No.10. 1960

Deep Hard Level – 1640 FT



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.