



SK46SE/38

SECTION OF Silverhill Colliery Underground
6019 Hole No. S. 4.

Exact Site E. 446 703.15 } N.M.G.
N. 362 746.81 }

Level at which ^{shaft}bore commenced relative to O.D. - 985.24' B.O.D.
^{drift}

Date of sinking or boring 1959.

Sinker or Borer N.C.B.

One Inch Geological Map _____

Six Inch Map (County and Quarter Sheet) Sheet 22 S.W.

6 inch Map
Registered No.

Attach tracing from a map or
sketch map if possible

NATURE OF STRATA		THICKNESS		DEPTH	
Geologist's Notes	Borer's Journal	Feet	In.	Feet	In.
Origin Deep Hard				0	0
Open Hole		14	8	14	8
Sandstone, light grey, dark grey, micaceous, silty partings and bands.		5	4	20	0
Mudstone, very silty, grey, occasional light grey sandstone partings.		5	0	25	0
Sandstone, light grey, dark grey, micaceous silty partings and bands.		1	5	26	5
Mudstone, silty, grey, occasional plant fragments, occasional sandy partings.		5	7	32	0
Mudstone, slightly silty, grey, occasional thin ironstone bands.		5	10	37	10
Mudstone, grey.		3		38	1
COAL 2'-6 1/2"					
COAL 3" inferior with fusulin chunks and dirt partings.					
COAL 3 1/2" dirty					
dirt 1" mudstone lustrous surfaces.					
dirt 1" mudstone with coal partings					



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6 inch Map
Regd. No.

SECTION OF Silverhill Colliery v/c. borehole S4
Six Inch Map (County and Quarter Sheet) Notes 22 S.W.

35.

NATURE OF STRATA		THICKNESS		DEPTH	
Geologist's Notes	Borer's Journal	Feet	In.	Feet	In.
COAL 7½" dirty.				38	
dirt 1½" mudstone, bituminous surfaces.					
COAL 4" dirty.		4	4	42	5
<u>Seat Earth</u> , mudstone, grey, tortlels.			1½	42	6½
<u>Mudstone</u> , highly carbonaceous, coal partings			2	42	8½
<u>Seat Earth</u> , mudstone, silty, grey, occasional tortlels.		1	4½	44	1
<u>Mudstone</u> , very silty, grey, light grey sandstone inclusions.			11	45	0
<u>Sandstone</u> , light grey, dark grey micaceous silty partings, 6" silty mudstone band @ 53'-11", silty partings carbonaceous from 58'-8" to base.		26	0	70	0
<u>Sandstone</u> , light grey, silty partings containing fusain pellets @ 71'-0" and rare below, ironstone nodules @ 86'-0", dark grey micaceous silty partings below 89'-0" 6" ferruginous band @ 115'-8" and @ 125'-0", 3" band containing fusain pellets @ 130'-8", ironstone nodules @ 140'-0" coal partings (? washout) from 148'-2" to 149'-8", 6" band containing ironstone nodules and siltstone nodules @ base.		106	10	176	10

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6 inch Map
Regd. No.

SECTION OF Silverhill Quarry v/g. borehole St
Six Inch Map (County and Quarter Sheet) Mt 22. S.W.

NATURE OF STRATA		THICKNESS		DEPTH	
Geologist's Notes	Borer's Journal	Feet	In.	Feet	In.
<u>Mudstone</u> , slightly silty, grey, poorly preserved mussels, ? Ostracods @ 177'-8"		2	10	177	8
<u>Mudstone</u> , fairly dark grey, abundant poorly preserved mussels @ 180'-10 4" band shelly ironstone @ base.		1	6	181	2
<u>Mudstone</u> , slightly silty, grey, mussels and Ostracods, Ostracods abundant @ 183'-7", ? Mariadites @ 186'-3" 1" ironstone band @ 186'-5"		10	10	192	0
<u>Mudstone</u> , grey.		4	0	196	0
<u>Mudstone</u> , dark grey, slightly silty, abundant fish debris @ 196'-3" abundant mussels from 197'-0" to 197'-6" less frequent below, 1" ironstone band @ 198'-0" ? Ostracods @ 199'-2" and @ 200'-2" scattered below, 1" ironstone band @ 201'-5" fish debris in bottom 1"		6	9	202	9
<u>COAL</u> 5'-6" Low MAIN (3'-9" seen)		5	6	208	3
<u>Seat Earth</u> , brownish grey, rootlets.		2	3	210	6
<u>Mudstone</u> , grey, occasional rootlets.		4	6	215	0
<u>Mudstone</u> , slightly silty, grey, occasional rootlets.		4	10	219	10
<u>Mudstone</u> , slightly silty, grey, 2" ironstone band @ 221'-0"		4	4	224	2

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6 inch Map
Regd. No.

SECTION OF Silverhill Colliery v/g borehole Sit
Six Inch Map (County and Quarter Sheet) Htts 22 S.W.

NATURE OF STRATA		THICKNESS		DEPTH	
Geologist's Notes	Borer's Journal	Feet	In.	Feet	In.
COAL 2'-#8"	Three quarters. (all seen)	2	8	226	10
Seat Earth, mudstone, grey, very silty	occasional sandy partings.	2	2	229	0
Mudstone, slightly silty, fairly dark grey,	rootlets.	2	4	231	4
COAL 5"			5	231	9
Seat Earth, mudstone, slightly silty, grey.			8	232	5
Sandstone, light grey, rootlets.		2	3	234	8
Sandstone, light grey, dark grey micaceous	partings from 236'-0" to 236'-8"	3	4	238	0
	and below 251'-0", rare plant				
	fragments @ 251'-0"	30	6	265	2
Interlaminated micaceous siltstone grey with	light grey sandstone	1	10	267	0
Mudstone, very silty, grey, becoming finer	towards base.	2	0	269	0
Mudstone, slightly silty, grey, ? worm tracks	vague ? planolites.	2	5	271	5
Mudstone, silty, grey, 1" ironstone band @ 272'-10"		1	5	272	10
Mudstone, grey ? worm tracks, 1" ironstone	band @ 275'-1", fragmentary mud				
	@ 275'-7"	2	6	275	4
Mudstone, slightly silty, grey, fragmentary	mud @ 275'-7" 2" ironstone band				
	@ 276'-8"	1	8	277	0



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6 inch Map
Regd. No.

SECTION OF Silverhill Colliery 1/4. borehole set
Six Inch Map (County and Quarter Sheet) M716 22 S.W.

NATURE OF STRATA		THICKNESS		DEPTH	
Geologist's Notes	Borer's Journal	Feet	In.	Feet	In.
				277	0
Mudstone, grey, worm tracks, 2" ironstone band @ 278'-5", 3" ironstone band @ 280'-11".		5	0	282	0
Mudstone, dark grey, slightly carbonaceous.			8	282	8
Mudstone, very silty, grey, occasional ironstone patches.			10	283	6
Mudstone, slightly silty, grey, 8" ironstone band @ 284'-5"			11	284	5
Mudstone, slightly silty, rootlets.			5	284	10
Seat Earth, mudstone, grey, rootlets, occasional lentic surfaces.			7	285	5
Mudstone, silty, grey.			2	286	7
Sandstone, light grey.		1	8	287	3
Mudstone, silty, grey, occasional light grey sandy partings in top 2", 2" ironstone band @ 287'-10"		5	0	292	3
Sandstone, light grey, dark grey micaceous silty partings and bands.		7	11	300	2
Mudstone, silty, grey, occasional light grey, sandy partings, ? , lamolites @ 302'-0" and below.		9	10	310	0
Mudstone, silty, grey, occasional thin ironstone bands up to 1/2" thick.		1	11	311	11
Mudstone, silty, grey, occasional silty partings		3	1	315	0
Mudstone, grey, several thin ironstone bands, 9" ironstone band @ base		5	8	320	8

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6 inch Map
Regd. No.

SECTION OF Silverhill Colliery U/G borehole S4
Six Inch Map (County and Quarter Sheet) With 22 S.W.

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NATURE OF STRATA		THICKNESS		DEPTH	
Geologist's Notes	Borer's Journal	Feet	In.	Feet	In.
Mudstone, fairly dark grey, fairly fissile, abundant fish debris.		32	1	322	9
Mudstone, slightly silty, grey, fish scale @ 323/-			4	323	1
Mudstone, dark grey, fairly fissile.			6	323	7
COAL YARD SEAM 1'-9"		1	9	325	4
Sea Earth, mudstone, slightly silty, grey rootlets.		2	4	327	8
Mudstone, silty, grey, occasional rootlets.		1	10	329	6
COAL 2"			2	329	8
Sea Earth, mudstone, silty, grey, rootlets.		3	2	332	10
Sandstone, light grey, rootlets, dark grey micaceous silty partings.		1	8	334	6
Mudstone, silty, grey, occasional plant debris.		5	2	339	8
Mudstone, fairly silty, grey.		2	0	341	8
Mudstone, slightly silty, grey, ironstone nodules @ 342'-10"		1	2	342	10
Mudstone, grey, plant remains, poorly preserved muds @ 343'-10"					
1/2" ironstone band @ 345'-3"					
1" highly carbonaceous band 345'-4"		2	6	345	4
Mudstone, silty, grey, plant remains					
1" ironstone band @ 346'-11" and 347'-1"		2	3	347	7

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6 inch Map
Regd. No.

SECTION OF
Six Inch Map (County and Quarter Sheet)

Silverhill Colliery 1/4. borehole SK
Note 22. S.W.

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NATURE OF STRATA		THICKNESS		DEPTH	
Geologist's Notes	Borer's Journal	Feet	In.	Feet	In.
Mudstone, slightly silty, grey, occasional ironstone modules		1	"	349	6
Mudstone, silty, grey, p plant fragments in top 2", 1" ironstone band @ 349'-10"		3	4	352	10
Mudstone, fairly silty, grey, with light grey sandstone partings.		2	1	354	"
Interlaminated siltstone, with light grey sandstone, 2" ironstone band @ 359'-8"		12	1	367	0
Mudstone, silty, grey.		1	0	368	0
Mudstone, very silty, grey.		4	0	372	0
Mudstone, slightly silty, grey, 1" ironstone band @ 373'-0" occasional ironstone patches.		2	6	374	6
Mudstone, silty, grey, 3" ironstone band @ 377'-11"		4	5	378	11
Mudstone, grey.			9	379	8
Mudstone, slightly silty, grey, 1" ironstone band @ 380'-11", 381'-6" and @ 383'-11"		5	10	385	6
Mudstone silty, grey.		2	5	387	11
Mudstone grey		2	7	390	6
COAL 1'-6 1/2" 2'-2" } BLACK SHALE SEAM.		3	4	393	10
dirt					
COAL 1'-7"					
Dark earth, mudstone, grey, abundant bituminous surfaces, rootlets, and plant fragments.		1	1	394	11
Mudstone, fairly silty, grey.		2	0	396	11
Base of hole.					