



Form P.70  
(Series 610)

SK 47 SW/24

6-inch Map

B/H  
Regd.No

(County, Sheet and Qtr.)

SK 47 SW 37  
(Nat.Grid, Sheet and Qtr.)

Attach tracing from a map or  
sketch map if possible

SECTION OF BOLSOVER NO. 16 UNDERGROUND D.B.

PURPOSE To prove First Piper, Tupton & Threequarters

EXACT SITE E 444323 N.B. This Grid Ref.  
N 370553 D. Plevs slightly  
from N.C.B. location  
Plan.

LEVEL AT WHICH shaft  
bore  
drift COMMENCED RELATIVE TO O.D. 8743.5 ft. 8613.5 ft

DATE OF SINKING OR BORING May - June 1970

SINKER OR BORER N.C.B. Boring Team

Cores examined by P. Boam and P.G. Strauss

(Tony Smith, Dep Area Geologist  
Sept 1987)

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS		DEPTH	
		FEET	IN.	FEET	IN.
	Cores:			10	0
Siltstone	fine, muddy in parts; laminated; plants including strap plants	1	7	11	7
Siltstone	fine, with sandstone fine lenticular laminae and layers, slurry 12/4 to 13/0 and basal 0/10, ripple marks, load and pouch structures with crumpled bedding, worm burrows throughout	12	1	23	8
Sandstone	fine rib and furrow in top 0/4, small scale cross-bedded inclined units to 25/0 cank 25/0 to 26/5, dune set 26/5 to 27/2, slurry and crumpling 27/2 to base	4	9	28	5
Sandstone	fine, discontinuous, gently inclined laminae with diastems and abundant dark micaceous planty planes, well jointed with galena with silty laminae below 34/0	6	0	34	5
Siltstone	fine, vaguely laminated, rare sandy laminae to 35/8, several ironstone bands up to 0/1 thick	4	7	39	0
Mudstone,	unlaminated, wormy, distinctly wormy and slightly shaly below 42/5, rare ironstone bands up to 0/1 thick, single non-marine lamellibranchs at 45/4	6	6	45	6
* Mudstone	slightly shaly, wormy few ironstone nodules	2	0	47	6

SK 47 SW/24

6 FORM P-71  
SERIES 680

Section of BOLSOVER NO. 16 UNDERGROUND D.B.

6-INCH MAP	B/H

\*Delete as appropriate

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS		DEPTH	
		m or ft*	cm or in*	m or ft*	cm or in*
				47	6
SEAM					
* FIRST PIPER	coal bright 0/10 <sup>1</sup> / <sub>2</sub>				
	mudstone 0/0 <sup>1</sup> / <sub>2</sub>				
	coal bright 0/5				
	mudstone 0/1				
	coal bright 0/7 <sup>1</sup> / <sub>2</sub>				
	dirty coal 0/2				
	coal bright 0/2 <sup>3</sup> / <sub>4</sub>				
	Seatearth, mudstone 0/3				
	coal bright 0/5 <sup>1</sup> / <sub>2</sub>				
	Seatearth, mudstone 0/5				
	coal and dirt 1/0				
	coal 1/9 <sup>1</sup> / <sub>2</sub>				
	Core recovery 100%				
	Thickness checked by good hand-timed graph	6	4	53	10
* Seatearth	mudstone with coal laminae listric surfaces	0	3	54	1
Core Lost		0	5	54	6
Seatearth	siltstone fine, abundant root nodules to 60/2 rooty, fragmented in top 0/8, muddy with coal streaks 58/11 to 59/0	7	1	61	7
Siltstone	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 64/0 and occasionally below, ferns at 65/0 abundant plant fragments below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris below 69/3, irregular sandy laminae 72/2 to 72/4 and occasionally below, ferns at 77/7	20	10	82	5
	sharp				
Mudstone	shaly highly carbonaceous, abundant ostracods and fish and non-marine lamellibranchs	0	11	83	4
SEAM					
SECOND PIPER	Cannel (solid core) 0/9				
	Mudstone shaly, with few ostracods 0/4				
	Mudstone canneloid, with n.m.l. 0/2				
	Cannel (solid core) 0/2				
	Mudstone, shaly 0/4				
	Ironstone band 0/2				
	Mudstone with fish and phosphatic remains at base and ostracods 0/11				
	COAL, bright (complete) 0/5				
	Seatearth siltstone with large n.m.l. dark 0/3				
	Ironstone band 0/3				
	Seatearth, mudstone listric 0/7				
	Ironstone band 0/3				
	Mudstone, several guillialmites 0/4				
	COAL Bright (Solid Core) 0/4				
	Seatearth, Mudstone 0/5				
	BAT 0/11	6	9	90	1



SK 47 SW/24

FORM 2/71  
SERIES 680

Section of BOLSOVER NO. 16 UNDERGROUND D.B.

6-INCH MAP	B/N

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	*Delete as appropriate			
		THICKNESS		DEPTH	
		m or ft*	cm or in*	m or ft*	cm or in*
				90	1
Seatearth	siltstone fine, muddy	2	4	92	5
Siltstone	fine, with abundant sandstone fine, lenticular laminae and layers; layers at 93/4 to 94/3 and 96/10 to 97/3; root-disturbed to 95/0 occasional slurried up to 0/4 thick, several dark micaceous planty planes, ironstone band 0/2 thick at 99/8, dominantly sandstone 100/5 to base	9	0	101	5
	sharp				
Mudstone	silty in top 1/0, many ironstone bands up to 0/8 thick, unlaminated single complete non-marine lamellibranch near top	10	4	1119	1
Mudstone	shaly rare ostracods at top, dark abundant ostracods and thick 'shelly' ironstone bands below 112/8 and occasional coaly plants, abundant large thick non-marine lamellibranchs; grey occasional non-marine lamellibranchs below 115/3; more 'shelly' ironstone up to 0/3 thick 118/1 to 120/0 with layer of ostracods at top, slightly shaly from 120/0 to 122/4	10	7	122	4
Mudstone	highly carbonaceous, occasional coaly plants	1	7	123	11
COAL	Bright	0	1	124	0
	complete core				
BAT		0	8	124	8
Seatearth	siltstone fine, dark to 125/7, medium 125/7 to 126/11, fine below, ironstone band 0/2 thick at 128/5 muddy and immature below with several ironstone bands	6	2	130	10
Mudstone	slightly shaly, occasional roots with 0/2 ironstone band at base	2	0	132	10
	sharp				
Mudstone	shaly, darkish, with large non-marine lamellibranchs and ostracods at top few inches, occasional oblique listric surfaces, slightly carbonaceous below 133/3, distinctly shaly with ostracods, non-marine lamelli- branchs below 133/7 and fish to 134/6 shaly with abundant ostracods and many 'shelly' ironstone bands up to 0/3 thick, and occasional local listric surfaces below 134/6, slightly carbonaceous 142/0 to 142/6, 0/3 ironstone band at 142/6 with many large non-marine lamellibranchs, and 143/3 to base	11	3	144	1



SK 47 SW/24

FORM P.71  
SERIES 680

Section of ..... BOLSOVER NO. 16 UNDERGROUND D.R. ....

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GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS		DEPTH	
		m or ft*	cm or in*	m or ft*	cm or in*
				144	1
* Mudstone	grey becoming darker to base; non-marine lamellibranchs fragments	0	10	144	11
SEAM: TUPTON	( Coal 2/5 Cockleshell Seatearth mudstone coal laminae 0/7 ( Coal 0/4 ( Mudstone carbonaceous 0/1 Low Tupton Coal 0/11 Mudstone 0/3 Coal dirty 0/1 1/4 Coal 2/6 1/2 Core recovery 98% Thickness checked by good hand-timed graph	7	3	152	2
* Seatearth	mudstone listric coal laminae	0	1	152	3
* Seatearth	mudstone listric becoming silty to base	0	10	153	1
Seatearth	siltstone coarse, sandy, brown, rooty, well cemented	0	4	153	4
Seatearth	sandstone well cemented, occasional root nodules, massive to 155/1, immature below	2	7	155	11
Sandstone	fine, abundant dark micaceous planty planes diastems and reasonably even bedded to 156/5, inclined micaceous planty planes with ripple drift at 151/1, vague ripple drift and train drift below 157/1, root disturbed in parts sharp	3	4	159	3
Siltstone	medium with some sandstone fine lenticular laminae and abundant infilled worm burrows roots to 163/0 and occasional other plant fragments, Calamites at 163/11 and occasionally below	6	0	165	3
Sandstone	many wavy-bedded diastems, many micaceous patches, ferruginous in bottom 0/4 sharp	3	0	168	3
Siltstone	fine, with little sandstone fine lenses and lenticular laminae, single sandstone layer 171/9 to 171/11 and many small worm burrows unlaminated and very wormy to 169/3, rare small slurries, rare sandy lenses below 175/0 and vaguely laminated and wormy, more occasional sandy lenses with worm burrows below 177/9, some irregular ironstone below 179/4, unlaminated barren in basal 0/7	2	4	180	7
* Mudstone	silty grey	0	8	181	3

SK 47 SW/24

FORM 71  
SERIES 680

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\*Delete as appropriate

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