

BOLSOVER NO. 15 UNDERGROUND DOWNBOKE	(Nat. Grid, \$ Attach skotch	tracing map if	f Qtr.) f id Qtr.) g from a possible		
BOLSOVER NO. 15 UNDERGROUND DOWNBORE TO seems down to Blackshale A44648 N 371340 Base of Deep Hard COMMENCED RELATIVE TO 0.0. 8535 ft. A.O.D. A.Coal Good ORING March - April, 1970 N.C.B. y P. Boam and P.G. Strauss NATURE OF STRATA	SR A (Nat. Grid, S Attach sketch	tracing map if	f ed Qtr.) g from a poæsible	шар ог	
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Base of Deep Hard COMMENCED RELATIVE TO D.D. 8535 ft. A.O.D. Q.Coal Boo N.C.B. P. Boam and P.G. Strauss NATURE OF STRATA	(Nat. Grid, \$ Attach sketch	tracing map if	d Qtr.) g from a possible	шар ог	
Base of Deep Hard COMMENCED RELATIVE TO O.B. 8535 ft. A.O.D. A.Coal Good ORING March - April, 1970 N.C.B. y P. Boam and P.G. Strauss NATURE OF STRATA	Attach sketch	tracing map if	g from a po≢sible		
Base of Deep Hard COMMENCED RELATIVE TO O.B. 8535 ft. A.O.D. A.Coal Good ORING March - April, 1970 N.C.B. y P. Boam and P.G. Strauss NATURE OF STRATA	d.D 4	– 10 0 °			
Base of Deep Hard COMMENCED RELATIVE TO C.B. 8535 ft. A.O.D. A.Cool Boo N.C.B. P. Boam and P.G. Strauss NATURE OF STRATA	d.D 4	– 10 0 °			
COMMENCED RELATIVE TO C.D. 8535 ft. A.O.D. A.C. P.C. P.C. P.C. P.C. P.C. P.C. P.C.	1		00 f+ 3 ℓ	\	
COMMENCED RELATIVE TO C.D. 8535 ft. A.O.D. A.C. P.C. P.C. P.C. P.C. P.C. P.C. P.C.	1			\	
N.C.B. y P. Boam and P.G. Strauss NATURE OF STRATA	тніскі		-		
NATURE OF STRATA	тніскі	- i	-		
	THICK		-		
Cores	1		DEPTH		
Cares:	FEET	IN.	10	IN.	
fine abundant Calamites in top 0/3 with					
sandstone fine, train drift 10/7 - 10/10	0	0	10	10	
fine with sandstone fine, many lenticular					
slurry/load cast layers up to 0/5 thick,					
	6	3	17	4	
37.349					
fine irony with relict variously inclined	L				
micaceous patches below with ripple					
drift	2	11	20	0	
			,		
sandstone, disturbed irregular more					
abundant sandstone fine laminae with				37	
little thin sendstone laminae 26/6 to	_				
basa	8	0	28	0	
fine with sandstone fine variously					
train drift, slurry 29/7 - 30/5 many					
sendstone pouches	2	. 5	30	5	
sharp					
fine with many micaceous patches and pla	ne þ,		ļ		
low angle cross-laminations and diastems	ar		 		
sandstone fine lenses and low inclined					
diastems below	2	7	33	0	
			1		
			<u> </u>		
	fine with sandstone fine, many lenticular sandstone laminae and layers and several slurry/load cast layers up to 0/5 thick, abundant plant fragments throughout sharp fine irony with relict variously inclined cross laminated units with diastems to 18/5 and sharp diastem at base, many micaceous patches below with ripple drift fine with some sandstone fine lenticular laminae and lenses, ironstone band 0/2 at 22/0, 22/0 to 24/6 muddy with rare sandstone, disturbed irragular more abundant sandstone fine laminae with occasional worm burrows 25/0 to 26/6, little thin sandstone laminae 26/6 to base fine with sandstone fine variously inclined discontinuous layers with vague train drift, slurry 29/7 - 30/5 many sandstone pouches fine with many micaceous patches and plantow angle cross-laminations and diastems to 31/7 with siltstone fine and lenticular sandstone fine lenses and low inclined	fine abundant Calamites in top 0/3 with sandstone fine, train drift 10/7 - 10/10 0 fine with sandstone fine, many lenticular sandstone laminae and layers and several slurry/load cast layers up to 0/5 thick, abundant plant fragments throughout 6 sharp fine irony with relict variously inclined cross laminated units with diastems to 18/5 and sharp diastem at base, many micaceous patches below with ripple drift 2 fine with some sandstone fine lenticular laminae and lenses, ironstone band 0/2 et 22/0, 22/0 to 21/6 muddy with rare sandstone, disturbed irragular more abundant sandstone fine laminae with cocasional worm burrows 25/0 to 26/6, little thin sandstone laminae 26/6 to base 8 fine with sandstone fine variously inclined discontinuous layers with vague train drift, slurry 29/7 - 30/5 many sandstone pouches , sharp fine with many micaceous patches and plane, low angle cross-laminations and diastems to 31/7 with siltstone fine and lenticular sandstone fine lenses and low inclined diastems below 2	fine abundant Calamites in top 0/3 with sandstone fine, train drift 10/7 - 10/10 0 6 fine with sandstone fine, many lenticular sandstone laminae and layers and several slurry/load cast layers up to 0/5 thick, abundant plant fragments throughout 6 3 sharp fine irony with relict variously inclined cross laminated units with diastems to 18/5 and sharp diastem at base, many micaceous patches below with ripple drift 2 11 fine with some sandstone fine lenticular laminae and lenses, ironstone band 0/2 at 22/0, 22/0 to 21/6 muddy with rare sandstone, disturbed irregular more abundant sandstone fine laminae with occasional worm burrows 25/0 to 26/6, little thin sandstone laminae 26/6 to base 8 0 fine with sandstone fine variously inclined discontinuous layers with vague train drift, slurry 29/7 - 30/5 many sendstone pouches 2 5 fine with many micaceous patches and plane low angle cross-laminations and diastems to 31/7 with siltstone fine and lenticular sandstone fine lenses and low inclined	fine abundant Calamites in top 0/3 with sandstone fine, train drift 10/7 = 10/10 0 10 fine with sandstone fine, many lenticular sandstone lamines and layers and several slurry/load cast layers up to 0/5 thick, abundant plant fragments throughout 6 3 17 fine irony with relict variously inclined cross laminated units with disatems to 18/5 and sharp disatem at base, many micaceous patches below with ripple drift 2 11 fine with some sandstone fine lenticular lamines and lenses, ironstone band 0/2 et 22/0, 22/0 to 21/6 muddy with rare sandstone, disturbed irragular more abundant sandstone fine lamines with occasional worm burrows 25/0 to 26/6, little thin sandstone lamines 26/6 to base 0 28 fine with sandstone fine variously inclined discontinuous layers with vague train drift, slurry 29/7 = 30/5 many sandstone pouches 2 5/17 with siltstone fine and lenticular sandstone fine lenses and low inclined	



RM [®] P 71	SK H7 SW/23	6 - 1 N CH	MAP		B/H
RM P /1					
	(a) 1			—	
ction of	BOLSOVER NO. 15 U.G. DOWNBORE	SK 47			36
		THICK	ness	<i>priate</i> DEF	тн
GEOLOGICAL LASSIFICATION	NATURE OF STRATA	m or ft*	cm or in*	m or ft*	cm or in*
				33	0
Mudstone	slightly wormy very silty to 34/7, ironstone	, }			
MUUS COINS	band 34/7 to 34/9, silty below and unlaminat	ed			
	to 35/8, wormy with several ironstone bands	•			
	up to 0/12 to 39/0, very wormy rare pyritic				
	globules	9	11		
				42	11
		+			
Mudstone	dark grey slightly shaly few thin bright	 _ 	 . 	<u></u>	
	coal streaks towards base	0	4	1.77	+
		+	 	43	3
	/	+		-	+
T PIPER	1/7	-	 		+
AL	coal 1/3	1			+
	seatearth mudstone 0/1	-	-6		+
	coal 0/8	,			+
	midstone listric carbonaceous 0/02	+		/	+
	COR1 0/17	• "			+
	seatearth mudstone 0/12	 			1
	coal 0/2\(\frac{1}{2}\) seatearth mudstone listric carbonaceous 0/7	1	 		
	Restearth mudstone listric carbonaceous U/	4			
	coal 0/5½ widstone highly parbonaceous 0/1	+			+
	. /-	 	 		<u> </u>
	7/2	—	†		-
	Core recovery 100%	1			
	Thickness based on hand-timed graph: 5/1	5	2		
	THIODISOS NEGOTI ON THE TANK OF THE PARTY OF			48	5
* Mudstone	highly carbonaceous, bright coal streaks	0	2		
				48	7
* Seatearth	mudstone gray listric rootlets darker in				
	top 0/1	0	4	ļ	
	* '		ļ	48	11
	- William - Will				+
Seatearth	mudstone brown, listric, occasional root				+
	nodules from 50/5, grey below 51/3 with	 	_		
	many root nodules	5	7	↓	
		1	-	54-	6
	13.1	2	6		+-
Seatearth	siltstone fine, rooty	1 2	В	57	0
		+		2/	+ -
	4	+	 	 	+
Siltstone	fine massive many irregular ironstone		-	 	+
	nodules in top 0/6, many ferns occasional	5	1		+
	ironstone and Calamites	+	+ '	62	1
	sharp		 	102	+ '
0	Mus with and former	3	2	 	1
Sandstons	_fine, rib and furrowsharp		T-	65	3
	SHATU	+			1
0474-4	fine laminated with occasional sandstone				1
Siltstone	fine lenticular layers with rib and furrow;				
	siltstone slurry with comminuted plant debr	is			
	and with slightly inclined rib and furrow		L		
	sandstone 0/7 thick from top to 67/0 and wi	th			
	two thick ironstone lenses, rib and furrow				J
		i	1		
	sandstone 67/0 to 67/8, abundant plant				1 -
	sandstone 67/0 to 67/8, abundant plant debris throughout, occasional ferns below	6	9		
	sandstone 67/0 to 67/8, abundant plant	6	9	72	6
	sandstone 67/0 to 67/8, abundant plant debris throughout, occasional ferns below	6	9	72	6
	sandstone 67/0 to 67/8, abundant plant debris throughout, occasional ferns below	6	9	72	6
	sandstone 67/0 to 67/8, abundant plant debris throughout, occasional ferns below	6	9	72	6
	sandstone 67/0 to 67/8, abundant plant debris throughout, occasional ferns below	6	9	72	6



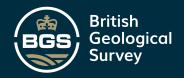
	> > > × 41 > M/K3 -	8 - I N CH	MAP		B/H		
ORM P 71 ERIES 680	SK 47 SW/23						
ection of	BOLSOVER NO. 15 H.G. DOWNBORK	SK 47	SW	3	6		
-		*Delete as appropriate					
GEOLOGICAL			IESS ;	DEP	_		
CLASSIFICATION	NATURE OF STRATA	m or ft*	cm or in*				
				72	6		
					\vdash		
Siltstone	Fire middy in parts, slightly worsy in top	· · · ·			1		
	2/0 unlaminated to massive occasional farms	5	1		 		
	11/0			77	7		
Mudstone	wormy unlaminated rare small plant fragments	4	5				
MOVE OCTO				82	0		
				<u> </u>	 		
Siltstone	fine unlaminated rare plant debris vagualy			 	 		
	wormy below 85/11				\vdash		
	(core lest 3/0 presumably at base)	7	10	-	1.		
				89	10		
					$\dagger -$		
Mudstons	shely cerbonaceous with pany ostracods			—	+ -		
	and few thin shelled non-marine lamellim	4	1		1		
	branchs			90	11		
Seen	Cornel 0/9						
UTUE.	Midstone shalv carbonaceous 0/5		 		+		
	Ironstone 0/3			 	<u> </u>		
	Cosl 0/10	2	3	ļ	+-		
				93	2		
			ļ	 			
Mudstone	highly carbonaceous abundant non-marine			 	+		
	lamellibranchs and some coalified strap	0	2	 	+-		
	plants	-	-	93	14		
			i e				
Seatearth	immature, mudstone dark occasional roots	1					
の最後 合金サイ・タロ	and many large and small thick-shelled						
	non-marine lamellibranchs	0	8	I			
				94	10		
		<u> </u>	↓				
					1		
Seatearth	mudatone	1	5	 	+-		
Seatearth	mudatone	1	5	95	5		
Seatearth		1	5	95	5		
See tearth SEAN	batt 0/2	1			5		
	batt 0/2 coal 0/6 approx.(solid core s	and fra			5		
	hatt 0/2 coal 0/6 approx.(solid core s	nd fra			5		
	batt 0/2 coal 0/6 approx.(solid core s	nd fra			5		
	hatt 0/2 coal 0/6 approx.(solid core s	nd fra					
SRAM	batt 0/2 coal 0/6 approx.(solid core s seatearth mudstone 0/4 batt 0/7	1					
	batt 0/2 coal 0/6 approx.(solid core s seatearth sudstone 0/4 batt 0/7 mudstone rooty and other plant fragments and	1	ments				
SRAM	batt 0/2 coal 0/6 approx.(solid core s seatearth mudstone 0/4 batt 0/7 mudstone, rooty and other plant fragments and Lepidodendron, abundant irregular ironatone	1		97	0		
SRAM	batt 0/2 coal 0/6 approx.(solid core s seatearth sudstone 0/4 batt 0/7 mudstone rooty and other plant fragments and	1	ments				
SRAM	batt 0/2 coal 0/6 approx.(solid core seatearth sudstone 0/4 batt 0/7 mudatone, rooty and other plant fragments and Lepidodendron, abundant irregular ironatora 97/9 to 98/2 sharp	1	ments	97	0		
SRAM	batt 0/2 coal 0/6 approx.(solid core seatearth mudstone 0/4 batt 0/7 mudstone, rooty and other plant fragments and Lepidodendron, abundant irregular ironstone 97/9 to 98/2 sharp medium with sandatone fine lenticular lamines	1	ments	97	0		
SEAM Seatearth	batt 0/2 coal 0/6 approx.(solid core seatearth mudstone 0/4 batt 0/7 mudstone, rooty and other plant fragments and Lepidodendron, abundant irregular ironatora 97/9 to 98/2 sharp medium with sandators fine lenticular lamines and layers and occasional slurries occasions	1	ments	97	0		
SEAM Seatearth	batt 0/2 coal 0/6 approx.(solid core a seatearth mudstone 0/4 batt 0/7 mudstone, rooty and other plant fragments and Lepidodendron, abundant irregular ironatora 97/9 to 98/2 sharp medium with sandatone fine lanticular laminar and layers and occasional alurries occasional root nodules to 99/9, rippled sandatore	1	ments	97	0		
SEAM Seatearth	batt 0/2 coal 0/6 approx.(solid core a seatearth mudstone 0/4 batt 0/7 mudstone, rooty and other plant fragments and Lepidodendron, abundant irregular ironatora 97/9 to 98/2 sharp medium with sandatore fine lanticular lamina- and layers and occasional alurries occasional root nodules to 99/9, rippled sandatore layer 99/11 to 100/4, occasional ironatore	1	ments	97	0		
SEAM Seatearth	batt 0/2 coal 0/6 approx.(solid core seatearth mudstone 0/4 batt 0/7 mudstone, rooty and other plant fragments and lepidodendron, abundant irregular ironatone 97/9 to 98/2 sharp medium with sandatone fine lenticular lamines and layers and occasional slurries occasional root nodules to 99/9, rimpled sandatone layer 99/11 to 100/4, occasional ironatone hards up to 0/1x. Cine and muddy in parts	1	ments	97	0		
SEAM Seatearth	batt 0/2 coal 0/6 approx.(solid core s seatearth sudstone 0/4 batt 0/7 mudatone, rooty and other plant fragments and Ispidodendron, abundant irregular ironatone 97/9 to 98/2 abarp medium with sandatone fine lanticular lamines and layers and occasional slurries occasional root nodules to 99/9, rippled sandatone layer 99/11 to 100/4, occasional ironatone bands up to 0/12, fine and suddy in parts with little lenticular sandatone fine and	1	ments	97	0		
SEAM Seatearth	batt 0/2 coal 0/6 approx.(solid core s seatearth sudstone 0/4 batt 0/7 mudatone, rooty and other plant fragments and Ienidodendron, abundant irregular ironatone 97/9 to 98/2 sharp medium with sandatone fine lenticular laminas and layers and occasional slurries occasiona root nodules to 99/9, rippled sandatone layer 99/11 to 100/4, occasional ironatone bands up to 0/11, fine and suddy in parts with little lenticular sandatone fine and many worm burrows below 100/6 ironatone 0/2	1	ments	97 98	6		
SEAM Seatearth	batt 0/2 coal 0/6 approx.(solid core s seatearth sudstone 0/4 batt 0/7 mudatone, rooty and other plant fragments and Ispidodendron, abundant irregular ironatone 97/9 to 98/2 abarp medium with sandatone fine lanticular lamines and layers and occasional slurries occasional root nodules to 99/9, rippled sandatone layer 99/11 to 100/4, occasional ironatone bands up to 0/12, fine and suddy in parts with little lenticular sandatone fine and	1	7 6	97	0		
SEAM Seatearth	batt 0/2 coal 0/6 approx.(solid core s seatearth mudstone 0/k batt 0/7 mudstone, rooty and other plant fragments and lepidodendron, abundant irregular ironatone 97/9 to 98/2 sharp medium with sandatone fine lenticular lamines and layers and occasional slurries occasional root nodules to 99/9, rimpled sandatone layer 99/11 to 100/4, occasional ironatone bands up to 0/1½, fine and muddy in parts with little lenticular sandatone fine and many worm burrows below 100/6 ironatone 0/2 at base, some plant debris throughout	1	7 6	97 98	6		
SEAM Seatearth	batt 0/2 coal 0/6 approx.(solid core s seatearth mudstone 0/k batt 0/7 mudstone, rooty and other plant fragments and lepidodendron, abundant irregular ironatone 97/9 to 98/2 sharp medium with sandatone fine lenticular lamines and layers and occasional slurries occasional root nodules to 99/9, rimpled sandatone layer 99/11 to 100/4, occasional ironatone bands up to 0/1½, fine and muddy in parts with little lenticular sandatone fine and many worm burrows below 100/6 ironatone 0/2 at base, some plant debris throughout	1	7 6	97 98	6		
SEAM Seatearth	batt 0/2 coal 0/6 approx.(solid core s seatearth mudstone 0/k batt 0/7 mudstone, rooty and other plant fragments and lepidodendron, abundant irregular ironatone 97/9 to 98/2 sharp medium with sandatone fine lenticular lamines and layers and occasional slurries occasional root nodules to 99/9, rimpled sandatone layer 99/11 to 100/4, occasional ironatone bands up to 0/1½, fine and muddy in parts with little lenticular sandatone fine and many worm burrows below 100/6 ironatone 0/2 at base, some plant debris throughout	1	7 6	97 98	6		
SEAM Seatearth	batt 0/2 coal 0/6 approx.(solid core s seatearth mudstone 0/k batt 0/7 mudstone, rooty and other plant fragments and lepidodendron, abundant irregular ironatone 97/9 to 98/2 sharp medium with sandatone fine lenticular lamines and layers and occasional slurries occasional root nodules to 99/9, rimpled sandatone layer 99/11 to 100/4, occasional ironatone bands up to 0/1½, fine and muddy in parts with little lenticular sandatone fine and many worm burrows below 100/6 ironatone 0/2 at base, some plant debris throughout	1	7 6	97 98	6		
SEAM Seatearth	batt 0/2 coal 0/6 approx.(solid core s seatearth mudstone 0/k batt 0/7 mudstone, rooty and other plant fragments and lepidodendron, abundant irregular ironatone 97/9 to 98/2 sharp medium with sandatone fine lenticular lamines and layers and occasional slurries occasional root nodules to 99/9, rimpled sandatone layer 99/11 to 100/4, occasional ironatone bands up to 0/1½, fine and muddy in parts with little lenticular sandatone fine and many worm burrows below 100/6 ironatone 0/2 at base, some plant debris throughout	1	7 6	97 98	6		



ORM P 71	SK 47 SW/23	8-11	ICH MAP		3 ∕H
	BG ()	
Section of	BOLSOVER NO. 15 U.G. DOWNBORE	SK 4	7 8W		36
GEOLOGI CAL	, , , , , , , , , , , , , , , , , , ,		CKNESS		РТН
CLASSIFICATION	NATURE OF STRATA	m or fi	* cm or in	m or ft	* Cm or
		 		108	11
Mudstone	unlaminated, silty single non-marine	+	+ .	 	+
Augs vone	lamellibranchs at 110/10, very wormy			1	\top
	several ironstone bands up to 0/2 thick	9	9		
		1		118	10
Mudstone	dark slightly shaly with non-marine	 		1	+
7440 0412	lamellibranchs and ostracods, distinctly			† 	+-
	shaly with abundant non-marine lamelli-				
	branchs ostracods 120/1 to base with shelly		<u> </u>		
	ironstone 120/3 to 121/1	1_3_	- 0	100	+
		1		+121	10
Mudstone	with many ironstone bands and occasional			1	
	non-marine lamellibranchs and rare coaly		Co	121 10 129 8 131 8 132 1	
	plant fragments	7_	10	 	<u> </u>
		o coaly 7 10 129 8 carbonaceous fragments, coaly 2 0			
Mudstone	slightly shaly dark with large non-marine	-		1	
A4420 ***********************************	lamellibranchs in top 0/3; highly carbonaceo	125			
	below with several coalified plant fragments				
	ostracods locally abundant, very coaly	+		ļ	+
	below 131/0	2	0	121	- Ω
		†	1	131	+
BAT		0	5		
		ļ	<u> </u>	132	1
Cantanah		2	1	 	+
Seatearth	siltatore medium occasional roots	 2	1	13/.	2
		1			
Beatearth	immature siltatore fine muddy im parts				<u> </u>
i	occasional roots throughout	5	2	 	+_
			+	139_	-4
Mudstone	shely slightly carbonaceous few non-merine				
	lamellibranchs, very shaly with abundant				
	ostracods and large non-marine lamelli-				_
	branchs below 140/7, cannelloid 143/5 - 144/2, abundant carbonated non-marine			-	+
	lamellibranchs 144/2 - 145/0	6	2	1	-
∡ :				145	6
•		 _		1	-
Mudstone	gray, slightly liatric to base	0	41/2	145	10
		†		1-2	+
Mudstone	shaly cannelloid fragmented non-marine				
	lamellibranchs, fish debris, ostracods,	<u> </u>		ļ	ļ
	plant	<u> </u>	15	146	-
		 	+	140	0
SEAM					
KLESHRLL	coal 2/0				
	Core recovery 96%	2	0	+	+_
			 	148	0
Seatearth	mudstone, roots, listric with coaly streaks	0	1		1
				148	1
		-			ļ <u>-</u>
COAL	bright, very dirty	<u> </u>	1	410	+
				148	2
	(<i>i</i>)				
					1



FORM P 71 SERIES 680	SK 47 SW23	8-INCH	MAP	B/H	
ERIES 680	(6)	/		2)	
Section of	BOLSOVER NO. 15 U.G. DOWNBORE	SK 47	SW] 3	56
		*Delete	as appro	priate	2
		THICK	NESS	DEP	
GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	m or ft*	cm or in*		can or i
				148	2
* Mudstone	shaly carbonaceous Stigmaria	0	10		
			ļ	149	0
					
Seatearth	immature, siltatone medium, fining downwards,			-	
	rare vague roots but more distinct towards	l—		 	<u> </u>
·	base several oblique local listric surfaces	3	0		
	and several thin ironstone bands	-	<u> </u>	152	0
W-3-A	silty, unlaminated few roots local listric				
Mudstone	surfaces with irregular thin ironstone hards	1	11]	
	801.140.62 4.141 11.664.141	•		153	11
				ļ	↓ —
* Mudstone	with ironstone modules	0	6	<u> </u>	1
			-6	154	_5_
•				1	+-
* SEAM	Brights 0/3			 	 -
	Seatearth mudstone 0/101	<u> </u>			+
	Brights dirty 0/11	 	-	 	+
	Mudstone dark 0/35	 	 	+	
	Brights dirty 0/3½ Brights 0/7½	 	+		+
	Brights 0/72	 	+	— —	
	Coal 2/7½				
OW TUPION	Core recovery 100%				
	Thickness based on hand-timed graph	5	4.		<u> </u>
	TOTOKIOSA MADOW VA			159	10
				<u> </u>	-
* Seetaarth	mudstone rootlets listric coaly streaks in	ļ	ļ	<u> </u>	<u> </u>
	top 0/01	0	↓.7	1	
		<u> </u>	 	160	5_
		ļ	+		
Seetaarth	siltatore coarse, well cemented, brown to 160	/10,	+		
DOC ASST AL					
	dark from 160/10 to 161/3, medium below,	+	+	+	1
D00 4001 011	occasional root nodules below 162/1, roots	5	0	+	
Dog ton	dark from 160/10 to 161/5, medium below, occasional root nodules below 162/1, roots throughout	5	0	165	5
DOG WAS ON	occasional root nodules below 162/1, roots	5	0	165	5
	occasional root nodules below 162/1, roots throughout	5	0	165	5
SEAM TUPTON Seatearth	occasional root nodules below 162/1, roots throughout medium with many thin lenticular sandstone five laminas disturbed by profuse worm		0	165	5
	medium with many thin lenticular sandstone fine laminas disturbed by profuse worm burrows throughout and Stigmaria in top 1/0.		0	165	5
	medium with many thin lenticular sandstone fine laminae disturbed by profuse worm burrows throughout and Stigmeria in top 1/0,		0	165	5
	medium with many thin lenticular sandstone fine lamines disturbed by profuse worm burrows throughout and Stigmaria in top 1/0, siltatone fine with little lenticular sandstone fine lamines below 170/0 and rare			165	5
	medium with many thin lenticular sandstone fine laminae disturbed by profuse worm burrows throughout and Stigmeria in top 1/0,		7		
	medium with many thin lenticular sandstone fine lamines disturbed by profuse worm burrows throughout and Stigmaria in top 1/0, siltatone fine with little lenticular sandstone fine lamines below 170/0 and rare			165	5
	medium with many thin lenticular sandstone fine laminae disturbed by profuse worm burrows throughout and Stigmaria in top 1/0, siltatone fine with little lenticular sandstone fine laminae below 170/0 and rare sandstone fine below 174/0				
	medium with many thin lenticular sandstone fine laminae disturbed by profuse worm burrows throughout and Stigmaria in top 1/0, siltatone fine with little lenticular sandstone fine laminae beldw 170/0 and rare medium to fine unlaminated wormy vague.				
Siltstone	medium with many thin lenticular sandstone fine laminae disturbed by profuse worm burrows throughout and Stigmania in top 1/0, siltatone fine with little lenticular sandstone fine laminae below 170/0 and rare sandstone fine below 174/0 medium to fine unlaminated wormy vague, sandstone laminae below 180/0 with plant	5 4 159 n 0 7 160 160/10, 8 5 0 165			
Siltstone	medium with many thin lenticular sandstone fine laminae disturbed by profuse worm burrows throughout and Stigmaria in top 1/0, siltatone fine with little lenticular sandstone fine laminae beldw 170/0 and rare medium to fine unlaminated wormy vague.		7	176	
Siltstone	medium with many thin lenticular sandstone fine laminae disturbed by profuse worm burrows throughout and Stigmania in top 1/0, siltatone fine with little lenticular sandstone fine laminae below 170/0 and rare sandstone fine below 174/0 medium to fine unlaminated wormy vague, sandstone laminae below 180/0 with plant		7	176	0
Siltstone Siltstone	medium with many thin lenticular sandstone fine laminae disturbed by profuse worm burrows throughout and Stigmaria in top 1/0, siltatone fine with little lenticular sandstone fine laminae below 170/0 and rare sandstone fine below 174/0 medium to fine unlaminated wormy vague, sandstone laminae below 180/0 with plant fragmants		7	176	0
Siltstone	medium with many thin lenticular sandstone fine lamines disturbed by profuse worm burrows throughout and Stigmaria in top 1/0, siltatone fine with little lenticular sandstone fine lamines below 170/0 and rare sandstone fine below 174/0 medium to fine unlaminated wormy vague, sandstone lamines below 180/0 with plant fragmants		7	176	0
Siltstone	medium with many thin lenticular sandstone fine lamines disturbed by profuse worm burrows throughout and Stigmaria in top 1/0, siltatone fine with little lenticular sandstone fine lamines below 170/0 and rare sandstone fine below 174/0 medium to fine unlaminated wormy vague, sandstone lamines below 180/0 with plant fragmants fine to medium with little lenticular sandstone fine lamines and lenses disturbed		7	176	0
Siltstone Siltstone	medium with many thin lenticular sandstone fine lamines disturbed by profuse worm burrows throughout and Stigmaria in top 1/0, siltatone fine with little lenticular sandstone fine lamines below 170/0 and rare sandstone fine below 174/0 medium to fine unlaminated wormy vague, sandstone lamines below 180/0 with plant fragmants	10	7	176	0
Siltstone Siltstone	medium with many thin lenticular sandstone fine lamines disturbed by profuse worm burrows throughout and Stigmaria in top 1/0, siltatone fine with little lenticular sandstone fine lamines below 170/0 and rare sandstone fine below 174/0 medium to fine unlaminated wormy vague, sandstone lamines below 180/0 with plant fragmants fine to medium with little lenticular sandstone fine lamines and lenses disturbed	10	7	176	0
Siltstone	medium with many thin lenticular sandstone fine lamines disturbed by profuse worm burrows throughout and Stigmaria in top 1/0, siltatone fine with little lenticular sandstone fine lamines below 170/0 and rare sandstone fine below 174/0 medium to fine unlaminated wormy vague, sandstone lamines below 180/0 with plant fragmants fine to medium with little lenticular sandstone fine lamines and lenses disturbed	10	7	176	0 6 6
Siltstone Siltstone	medium with many thin lenticular sandstone fine lamines disturbed by profuse worm burrows throughout and Stigmaria in top 1/0, siltatone fine with little lenticular sandstone fine lamines below 170/0 and rare sandstone fine below 174/0 medium to fine unlaminated wormy vague, sandstone lamines below 180/0 with plant fragmants fine to medium with little lanticular sandstone fine lamines and lenses disturbed by abundant worm burrows throughout	10	7 6 0	176	0
Siltstone Siltstone	medium with many thin lenticular sandstone fine lamines disturbed by profuse worm burrows throughout and Stigmaria in top 1/0, siltatone fine with little lenticular sandstone fine lamines below 170/0 and rare sandstone fine below 174/0 medium to fine unlaminated wormy vague, sandstone lamines below 180/0 with plant fragmants fine to medium with little lanticular sandstone fine lamines and lenses disturbed by abundant worm burrows throughout	10	7 6 0	176	0 6
Siltstone Siltstone	medium with many thin lenticular sandstone fine lamines disturbed by profuse worm burrows throughout and Stigmaria in top 1/0, siltatone fine with little lenticular sandstone fine lamines below 170/0 and rare sandstone fine below 174/0 medium to fine unlaminated wormy vague, sandstone lamines below 180/0 with plant fragmants fine to medium with little lanticular sandstone fine lamines and lenses disturbed by abundant worm burrows throughout	10	7 6 0	176	0 6
Siltstone Siltstone * Mudstone * SEAM	medium with many thin lenticular sandstone fine lamines disturbed by profuse worm burrows throughout and Stigmaria in top 1/0, siltatone fine with little lenticular sandstone fine lamines below 170/0 and rare sandstone fine unlaminated wormy vague, sandstone lamines below 180/0 with plant fragmants fine to medium with little lenticular sandstone fine lamines and lenses disturbed by abundant worm burrows throughout dark gray	10	7 6 0	176	0 6
Siltstone Siltstone * Mudstone	medium with many thin lenticular sandstone fine lamines disturbed by profuse worm burrows throughout and Stigmaria in top 1/0, siltatone fine with little lenticular sandstone fine lamines below 170/0 and rare sandstone fine below 174/0 medium to fine unlaminated wormy vague, sandstone lamines below 180/0 with plant fragmants fine to medium with little lanticular sandstone fine lamines and lenses disturbed by abundant worm burrows throughout dark gray coal 3/0 Core regovery 100%	10	7 6 0 2	176	0 6 6
Siltstone Siltstone * Mudstone * SKAM	medium with many thin lenticular sandstone fine lamines disturbed by profuse worm burrows throughout and Stigmaria in top 1/0, siltatone fine with little lenticular sandstone fine lamines below 170/0 and rare sandstone fine unlaminated wormy vague, sandstone lamines below 180/0 with plant fragmants fine to medium with little lenticular sandstone fine lamines and lenses disturbed by abundant worm burrows throughout dark gray	10	7 6 0	176	0 6 6



	SK 47 SW/23 -	6 - 1 N CH	MAP		B/H
ORM P 71 ERIES 680	SK 47 SW 23				
ection of	BOLSOVER NO. 15 U.G. DOWNBORE S	sk 47	SW	7 3	56
		*Delet	opriate		
GEOLOGICAL	NATURE OF STRATA	THICK			тн
CLASSIFICATION	NAIURE UF SIRAIA	m or ft*	cm or in*	m or ft*	cm o
				101	
• Seatearth	siltstone fine rootlets and sandstone layers				
	increasing downwards	10	10	188	6
	(.9 \			100	0
Siltstone	operse with sandstone even laminee and layer				
	disturbed by roots, several inclined				↓_
	laminae in top 0/3, several irregular root	1	6	-	+
	nodules and less sandy below	<u> </u>	-	189	6
Seatearth	siltatone fine muddy in top 0/2 darkish	1			ــ
	rooty	1	7	191	+-
				777	+
Mudstone	shely with abundant roots	0	3		
				191	11
2017	Y 	+ - \			+
COAL MEEQUARTERS					
LOOR COAL	solid cores not fitting to roof and floor	0	3		I
		1	 	192	1
Q	midstone brownish Idatuda sucur halaw	1		-	+
Seatearth	mudatone brownish, listric, grey below 192/9	1	0		
	sharp		L	193	1
		+	 		+-
		+	1.		+-
		1			
				<u> </u>	1
Siltstone	fine with lenticular sandstone laminae and	-	+	<u> </u>	+-
	houghes layers; top 0/9 sandstone layer		<u> </u>		
	with abundant Stigmaria; bedding disturbed				
	by roots to 195/0; possible worm burrows	+	40	<u> </u>	+
,	towards base and rare plant debria	6	10	199	1
	sharp			127	
Siltstone	medium with sandstone fine discontinuous				1
	inclined units with train drift and ripple		11		+
	drift in top 0/9	1-1		201	1
			· · · · · · · · · · · · · · · · · · ·		Ţ
Sandstone	with siltatone coarse laminas variously	-	-	 	+-
	gently inclined with abundant disatems and many micaceous planty planes	1	1	 	+
	STATE WOTEL WATEROON AND PROSTAL PROPIES			202	1
			ļ	\vdash	1
Siltstone	medium with sandstone fine discontinuous	+ -	1		+
	variously inclined layer with ripple drift	 '	+ -	204	0
					Ţ
Sandstone	fine well cemented with rib and furrow	1	9	200	9
		-		205	+3
Siltatone	coarse with some sandstone fine even laminae				1_
	and vague slurries to 207/2, sandstone			<u> </u>	+-
	disturbed layer in basal 0/2 Base of Borehole	1	<u> </u>	207	4
	DRSe OI DOLENOIS			20/	+
		1			\perp
		-			

