

For Messrs.	NCB.		<u></u>		11
Town or Villag	J	Registe			1
County Exact site	No long le de de la company de	1 595% Attach	o tropin	g from	$\dashv$
Memoir:	icup 41% 5937 (4.30) 359378.5 hich made exploration for Coal.	a ma map,	p, or a s	sketch-	
Level at which nclined; in lat	bore commenced relative to O.D. <u>-619-72</u> ter cases give angle of inclination and direction	Six-inch quarter sheet 36 NW W Registered No.  Six-inch quarter sheet 36 NW W Registered No.  A Consideration 4444765.6 4-71 593 Attach a tracing from a map, or a sketch-map, if possible.  Sephoration for Coal.  relative to O.D. — 619-72 State if the fore is up, down, incisontal or of inclination and direction.  Beens Callected of Coal Date of Sinking  Lear Co. Hillings.  Situational Notes in Space Overleaf  NATURE OF STRATA  THICKNESS  DEFTH  NATURE OF STRATA  Le bookings.  Silbstone frequents tootlets  2 7 11 sep.  Sandstone portrigs  op bim. Very accasional  letti.  1 9 4 20 9  4 20 9  4 4 20 9  4 4 20 9  4 5 32 6  4 6 32 6  4 6 32 6  Auck frequents  Silving Superity of Strate			
	NCB				
Information fr	om Specimens Collected + Come Date of	Sinking 0	. ()	. (. ()	,,
specimens	Additional Notes in Space Overleaf	لمعك	ار مار مار عاد	, HWW. LL	. 1/1/.
For Survey use only)			li li		
GEOLOGICAL CLASSIFICATION	NATURE OF STRATA				
	70				-
	Blackshale workings.				
			ļ		
PLER PARBONIFERDIS	Openhole	8	10	8	
DESTPHALIAN	Seakeouth: Sillstone graywith tootlets	2	7		
A	Tiltstone, frey Sandstone pottings		ļ		
	in top bin. Very sees and				
	g roovleló.	9	4	20	
,	Sand Chave, grey	2	3	23	C
,	Sund Home, grey; 1/2 in ison stone band				
	y as 32:6"	9	6	3.2	
	huddone, of dark frey with				
	USVIACOdo @ 33'3";		ļ		
	anthraconaute @ 34-10"	2	7	35	_
•	Silkstone, donk grey	2	2	37	
	hudsone, Filly, Jane, dock grey,				
	3 in Non None pand @ 38: 9"	1	6	38	9
	huddone greg with Remolites.		5	40	2
	Seateouth: hunderone grey with				
	himmons little surfaces				
	punerous rootlels.	O	4	40	4
	Seavearth: hundstone, light gray with				
	jonspore nodules; becoming				
	Gilly below 44ft; humerous				
	rootleis.	6	0	46	6
	Silfsone, Grey seith plant fragments	· 			
	and occasional soutless.	4	8	51	
	Sundyonelight gray with Sillstone				
	porting	1	6	<i>§</i> 2	8
£12		Court		Onerlant	1



	Black vell A' No. 2 Kitaven 30	<del></del>	<u> </u>				
				1,7			
EOLOGICAL SSIFICATION	DESCRIPTION	Barre	HICKNESS	. שרים		52	_ 
	Tillstone gray, passing down with	g-ung	w p		<u>a ·                                     </u>	3 -	
A	Silly mustone; humerons						
,			٥	4		53	C
	plint fraquents.						
-	COAL Coal 4 in.						
	Seasonth huseyone done pre, 4 in 10	-	0	10		53	,
		<b></b>				23	
	Coal 2 in:						
	Seasewith: und stone, do segrey with						
	a sero corbonación portugo,						
	human liste Surfaces V						
	deessiare roskeri.		0	9		54	1
	Seakenth: Sund some, cream, gray						
	with rooklels.	ļ	0	//		55	6
	) and glone . Cheam, grey with human	<b>-</b>					
	dork gray contonues					ļ <u>.</u>	
	micaceons portings.		5	ユ		60	8
	Filtstone. gray with light frey Sand 8100	<b>_</b>					
	portings.		4.	8		65	4
	Sandgrove, interbanded with gray						
	Silssone.		2_	5		67	9
	hundsone, frez with oceasional						
	Selli Pateles			 	 		
	Silly patches 3-in Houseme band @72'0";						
No. or other transfer or	? worn weeks + Planolikes.	[	2	3		75	٥
	Shale , clack gray with ostracods		7				
	and obcasional fish						
	frequence.						
	1/2 in isonstone band @ 76-10						
	. 11 4 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		7	2		78	2
	Shale, down gray, cannel and, with plant fraguesis:		,	3		79	
•	State destroyer and in in		<i>(</i>			17	
	ola i han ii		0	3		79	8
	James J. James C.						
	Coal 2 i.	 	0	~		79	
	<u>Coal</u> 2 û.			_2		<u> 79</u>	10
	20 15 5/1 / 10/2	<b></b>					
	Scalewich: hundstone grange to brown						
	with humanous district Surface	<i>j</i>		з			
	listice Surface in top sin			9		81	7
	Sertearth: hunderone, Silli, que,	 					
	with posplets y inoustale						-
	Andree.			9		83	4
	Seasout: Elssone gray with poorles	ļ					
	decasional sironerone			 			
	hadrles and forelessone	ļ				ļ	
	portings			6		84	10
	Interbanded light gray fund grove						
	and grey Silverone.		1	9		86	7
	Sandstone, creamy gray with			•		_	/
	humerous dans grey				/.		
		ll				1	
	Carsonaceons hicaceons				1		

2

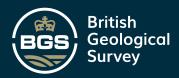


Silbstone. Grey; Municipal fandstone  fortings in top foot.  hundstone, Greywith siling patches;  hundstone, Greywith siling patches;  2 in stono tome tound @ 124'-t' 5 6 127  Silbstone, Grey with irregular sound  fortings;  hundstone, Grey with humaning plant  frequents.  Lilbstone, Grey; 3in nowstone bond @ 13:2' 5 8 135  Sandstone, Grey; 3in nowstone bond @ 13:2' 5 8 135  Sandstone, Grey; Greywith dantegrey  Cartinacean microcan  portings; becoming compact,  light brain + Jerupolom in  battom 2 feet; plants  gresseral in irregion in bottom in. 6 9 142  Silbstone, Greywith occanional  Sandstone, Greywith occanional  Silbstone, Greywith humaning  Silbstone,	LOGICAL DESCRIPTION  THICKNESS 12.0  DEPT.  THICKNESS 12.0  THICKNESS 12.0  DEPT.  THICKNESS 12.0  THICK	ī
Selection gray with a feelight gray formula formula formula A substance gray with a feelings and sounds formula formul	DESCRIPTION  PHALOW  OC.	1
Silfstone, gay with a few light gody  Sand Home portungs  Sand Home Light gray with humanous  gray silfstone particips and  biltstone, gray with higher gay sand Home  Silfstone, Creaming gray contoneurs  Sand Home Creaming gray contoneurs  Limitateour participant  Mundelsone, gray with humanous  Mundelsone, gray with mustels  COAL 8 in 0 8 107  Learlanth: Sand Home, dave brownish  gray with humanous Istail  Josephile and alcomorand  I worker and alcomorand  Silfstone, gray with thing particles  Limitatione, gray with the particles  And Home would 124't' 5 6 127  Silfstone, gray with irregular sand  Listene, gray with daverne plant  Listene, gray with daverne plant  Listene, Gray with daverne  Doctone, Light gray with daverne  Sulfstone, gray with saccasione  Sulfstone, gray  Sulfstone, g		
Silfstone, gay with a few light gody  Sand Home portungs  Sand Home Light gray with humanous  gray silfstone particips and  biltstone, gray with higher gay sand Home  Silfstone, Creaming gray contoneurs  Sand Home Creaming gray contoneurs  Limitateour participant  Mundelsone, gray with humanous  Mundelsone, gray with mustels  COAL 8 in 0 8 107  Learlanth: Sand Home, dave brownish  gray with humanous Istail  Josephile and alcomorand  I worker and alcomorand  Silfstone, gray with thing particles  Limitatione, gray with the particles  And Home would 124't' 5 6 127  Silfstone, gray with irregular sand  Listene, gray with daverne plant  Listene, gray with daverne plant  Listene, Gray with daverne  Doctone, Light gray with daverne  Sulfstone, gray with saccasione  Sulfstone, gray  Sulfstone, g		, 7
Sandflowe Digity grey brills humbrows of the grey better partiags and bloom of Sept. 8 2 100 Silterious, gray with light gray Sandflowe 2 4 103 Sandflowe Creamy gray with humbrows 2 1 105 Mindflowe Greywith sumosels 1 10 106 Coal 8 in 0 8 107 Learleath: humbflowe, dave brownish grey with sumosels 1 10 106 Coal 8 in 0 8 107 Learleath: humbflowe, dave brownish grey with sumosels 10 8 118 Sandflowe, greywith sumosels 10 8 118 Silterious, grey with the particle of a decreament 10 8 118 Silterious, greywith the particle of a decreament 10 8 118 Silterious, greywith the particle of a decreament 10 8 118 Silterious, greywith the particle of a decreament 10 8 118 Silterious, greywith the particle of a decreament 10 8 118 Silterious, greywith the particle of a decreament 10 8 118 Silterious, greywith the particle of a decreament 10 8 118 Silterious, greywith the particle of a decreament 10 8 118 Silterious, greywith it regulars greated 1 1 3 129 Silterious, greywith it regulars greated 1 1 1 130 Silterious, greywith downless plant 1 1 130 Silterious, greywith downless booth 3 in 6 9 142 Silterious, Silty grey in the particle of 155'6' 155'		
Silvione, gray with higher and  South of the pay souther and  South of the pay and  South of the pay of the pay souther and  Munder of paymith sumbers.  Coal 8 in. 0 8 107  Sententh: Sumtone, dance brownish  gray with numerous bistorie  Josephine nother. 10 8 118  Silvione gray; the menors transflore  partings in top foot. 3 9 122  Independent of the paymith of the silvione gray; the menors transflore  and knowledges;  Sumtons of the menors paymith  Silvione, gray, with its pakeles;  And the souther;  Silvione, gray, silving loss grand  Southfrome, footings of  Independent of the paymith the payment  Southfrome, gray, silving loss grand  Sumstone, gray, silving loss bond 8132;  Sumstone, gray; Sin in on foot on sin by 9 142  Sundfrome, Sully, gray  Sullivione, gray, with dance and  Sundfrome, Sully, gray  Sullivione, gray, with payment,  Sullivione, gray, silly, gray;  Sullivione, gray, silly, gray;  Sullivione, gray, silly, gray;  Sullivione, gray  Sullivione of the sulling	Sundstone Portings 2 7 9.	2
Silveres, Gray with light pay Soudflow  Postlings.  Soudflows, Cheaning gray paid  humanous about grey Contonness.  Milattone, Cheaning gray paid  humanous about grey Contonness.  Milattone, Greywith murgels.  [100 106  Coal Sin.  Coal Sin.  Sententh: fundflowe, dank brownish  grey with ruman. Instruct  for face.  Sententh: Sandrone, Greywith  Toothelia and alexanional  istorbene nobules.  Silvere, Grey; Mumanous transflowe  fortungs in top foot.  Sundfrome, Greywith richy pathles;  humbrone, Greywith integrated  and Kanotikes;  Sulfstone, Greywith integrated great  Sententhouse fortunals great  Sententhouse fortunals great  Sundfrome, Greywith downings  Sundfrome Cipus gray with dankings  Carbonackers migroupous  bottom 2 feer; pleass  light brown fortunals  Sulfstone, Grey; Sin interflowe bond Plisis  Sulfstone, Grey; Jin interflowe with dankings  Contonnackers migroupous  bottom 2 feer; pleass  fortunal sulfi, Grey  Sulfstone, Greywith becausional  Junctione, Greywith becausional  Junctione, Greywith becausional  Junctione, Greywith becausional  Junctione, Greywith humanous  Silfstone, Greywith becausional  Junctione, Grey interpret humanous  Silfstone, Greywith humanous  Silfstone, G		
Sandtone. Creamy gray with human gray with humans and gray Corbonaus 2 1 105 hundsfore. Graywith humstels. 100 666  Coal 8in. 08 107  lentearth: hundsfore, dank brownsh gray with numeron listnic gray with numeron listnic graywith. Sandstone. Graywith robother water. 10 8 (18  silkstone, gray humanous tradstone 10 8 (18  silkstone, graywith silly patches; humanous? But tradstone. 3 9 122  hundstone, graywith silly patches; and knowless; littingles sound 13 128  hundstone, graywith it regular sound 13 128  hundstone, gray with humanous plant frequents. 11 130  selfstone. Gray, 3in involve bond P18:2 5 8 135  Cartinate gray, 3in involve bond P18:2 5 8 135  Cartinate gray, 3in involve bond P18:2 5 8 135  Lyte brown from process in bottoms in 6 9 142  Sundstone. Silly, gray 0 6 142  Sundstone. Silly, gray 0 6 142  Sundstone. Silly, gray 14 Aumentum 17 1444  Sundstone. Gray with humanous 17 1444  Sundstone. Silly, gray 14 148  Sillstone gray with humanous 17 1448  Sillstone gray with humanous 17 153  hundstone. Silly, gray 155'6' 153  Litherstone gray with humanous 17 153  hundstone. Silly, gray 155'6' 12 0 1166	0 baids down to 45ft: 8 2 100	2 8
Sandtone. Cheany gray with humanns dail grey Corbonarens  micaeans poetings  micaeans poetings  Mudtone greywith mustels.  COAL 8 in. 0 8 107  leaterith: humatone. dank brownish grey with numerous listair  for falls.  Seaterith: Sandsome. greywith  Nortlelis and alexanianal  Honother adules.  Sillsome. grey Municipathone  fortings in top foot.  humbone. greywith siling patches; humanan ? boundrasks  and knowles;  2 in stonolose bund (24'+' 5 6 127  Sillstone. grey with irregular sand  gendstone. frags in top foot.  Substance footings  Sillstone. gray, si iron stone bond (135')  Sillstone. Gray, 3 ir iron stone bond (135')  Substance. Siling, grey with daily pay  fortings; becoming compart, lyte brown & ferringion in  Battone. Siling, grey with daily pay  Sillstone. Siling, grey  Sillstone. Siling, grey  Sillstone. Siling, grey  Sillstone presynith humanana  Sillstone presynith humanananananal  Sillstone presynith humananananananananananananananananananan		2 .
humanous dain grey Corbonaus 2 1 105  hundstone greywith hundels 1 10 106  COAL 8 in 0 8 107  lesterit : hundstone, dank brownsh grey with number listnic  yn faces.  Sesterit: 3 and some from the  restless and observable.  Silkstone, grey; humanous tandstone  for specy with righ potches;  humanous ? bountracts  and knockes;  Sulfstone, grey with irregular gand  Sulfstone, grey with irregular gand  Sulfstone, grey with the grey specy  Sulfstone, grey with dannous plant  frequents.  Sulfstone, grey with dannous plant  frequents.  Sulfstone, light grey with dannous plant  frequents.  Light brown frequents in bostons in 6 9 142  Sulfstone, Grey with secondary  Gress plants  protegs: becoming compact, Lyte brown frequents in  bacton 2 feet; plants  protegs: plants  frequents.  Sulfstone, grey with humanous  frequents frequents.  Sulfstone, grey with humanous  Sulfstone, grey with secondary  Sulfstone, grey with second		٥
Mudstone greywith sumbols 100 66  COAL Sim. 0 8 107  Sentesith sumbone dank brownish grey with numerous listnice for face. O 2 107  Sentesith: Sandsone greywith 0 2 107  Sentesith: Sandsone greywith 0 2 107  Sentesith: Sandsone greywith 0 2 108  Silksone grey; Municipal 10 8 118  Silksone grey; Municipal to factors; 3 9 122  Inndesone, greywith with patches; 4 1 3 127  Silksone, greywith integlar send 1 1 3 128  Inndesone, greywith trugglar send 1 1 130  Silksone, greywith humans plant 1 1 130  Silksone, greywith humans plant 1 1 130  Silksone, greywith dankpey 1 1 3 128  Landsone light greywith dankpey 1 1 1 130  Silksone, greywith dankpey 1 1 1 142  Silksone, greywith humans 1 1 1 148  Silksone, greywith humans 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	humanous daix grey corbonaces	
Coal 8 mi. 0 8 107  Sentesih: hundstone, dank brownish grey with numerous districe  Grafores.  Sentemih: Sandsone, grey with Northelia and alcanional  itonstone nodules. 10 8 118  Siltstone, grey; Municious tandstone fortings in top foot.  hundstone, pregnith rilly potales;  Numerous & boundards  and knowlike;  2 in stonstone build 124'+'  Siltstone, gray with it regular found  sundstone, praymith humanous plant  frequents.  Siltstone, gray; 3in isonstone boud \$133.2'  Sundstone, Egos; 3in isonstone boud \$133.2'  Sundstone, Egos; silionstone boud \$133.2'  Sundstone, Egos; plants  frequents.  Lyre brown frequency  light brown frequency  sundstone, Silli, gray  Siltstone, graywith secanional  Siltstone, gray  Siltstone, gra	muces pounds 100	
Sentenih: hundrone, dank brownish  grey with number listnic  yn faces  leaventh: Sandrone, grey with  rootlets and alconsional  itemsfore nodules. 10 8 118  Silterne, grey, Munerous tandtone  facings in top forther;  hundrone, greywith tilly pattles;  hundrone, greywith tilly pattles;  hundrone, greywith irregular search  sand knowlikes;  2 in tronstone bund @ 124'+' 5 6 127  Siltstone, grey with irregular search  sand thome fortings;  hundrone, grey with humanous plant  frequents.  Siltstone, grey, 3in ironstone bond @ 13': 2 5 8 135  Cantiforne, Grey; Jan ironstone bond @ 13': 2 5 8 135  Cantiforne, Grey; Jan ironstone bond @ 13': 2 5 8 135  Cantiforne, Grey; Jan ironstone bond @ 15': 5 8 135  Substone 2 feet; plants  partings; becoming compart,  lyis brown of personion in  bottom. Silty, grey  substone, Grey posith see animal  Randforme, Grey posith see animal  Substone, Grey posith see animal  Substone, Grey posith humanous  siltstone partings in top 14 in. 3 11 148  Siltstone grey;  brustoned gilly, grey;  isolated mustel: @ 155'6"  25 in itomstone band @ 157'0  3 in @ 157'0	mustone, freywith mustels. 1 (0 10)	2 /
Sententh: hundlove, dank brownish  grey with number listnic  grey pases  leaventh: Sandrove, grey with  rootlets and obcasional  jeanstone nodules. 10 8 118  Silterne, grey, Munerous tradtone  fortings in top for these;  hundlove, greywith tilly pakkles;  hundlove, greywith tilly pakkles;  hundlove, greywith irregular sead  sand knotikes;  2 in strong with irregular sead  sand stone fortings;  littone, grey, with irregular sead  sand stone fortings;  littone, grey, in humans plant  frequents.  Silterne, grey, in home bond elisis  Sulfrove, grey, in home to totalin.  Sulfrove, grey, in home and elisis  Sulfrove, grey, in home can end  Sulfrove, grey, in home plant  Sulfrove, grey, in home	COAL 8m. 08 10	, -
grey with numerous listeric  for faces.  Seatemin: Sandrome, prejurith  Nortlets and obcasional  jeonstand obcasional  jeonstand obcasional  jeonstand modulas.  Silksone, preji Mumerous Fandstone  and francisco is too foot.  hundstone, prejurith richi pakkles;  Authors sand hund (124'+' 5 6 12.7  Silksone, grey with irregular sand  sandstone partings;  hundstone, prejurith humerous plant  frequents.  Silksone, grey sith dankgrous  frequents.  Light frequents dankgrous  footom 2 feet; plants  partings: becoming compact,  light brain of presents and bottom sin. 6 9 142  Sundstone. Silly, grey  Silksone, grey with humerous  presented in instance in bottom sin. 6 9 142  Sundstone. Silly, grey  Silksone, grey with humerous  Silksone, grey  Silksone, grey  Silksone, grey  Silksone, grey  Silksone, grey  Silksone, grey  Silksone partings in top 14 in.  Silksone, grey  Silksone pretings in top 14 in.  Silksone, grey  Silk	-A	
Seaternth: Sandstone prejurith  Northelis and scenarional  Horostone nodules.  Horostone nodules.  Silssone grey; humanous tandstone  partings in top foot.  hundstone, graywith silip patches;  hundstone, graywith silip patches;  Sultstone, gray with irregular search  sundstone, gray with irregular search  frequents.  Lettone, gray; 3in ironstone bond @1352 5 8 135  Sandstone light graywith dankgray  Cartenascen microcen  portings: becoming compat,  light brown t ferregular is  bactom 2 feet; plants  gressival in irrostone in bottom sin. 6 9 142  Sulstone, gray with a caninal  Sandstone, gray with a caninal  Silstone, gray with a humanous  Siltstone partings in top 14 in.  Siltstone, gray  hudstone, gray  Musterne, gray  Mustern		
Sentemati. Sandorme. pregnish  Northelo and accominate  itonophere nodules.  Jilkstone. grey; Municipator tandstone  functione, greysist with pototies;  hundrone, greysist with pototies;  hundrone, greysist with pototies;  2 in tronolone tand Q 124'-t' 5 6 127  Silkstone, grey with irregular second  gendstone functions of 1 3 128  hundrone, pregnish humanous plant  frequents.  Silkstone, grey; 3in irroupsone bond Q 13'2' 5 8 135  Candorme light gray with danke grey  Carbonaterno micaccon  portings: becoming an part,  lyce brown transporting to them in bottom in. 6 9 142  Silkstone, grey prith humanous  Silkstone, greymith accominate  Sandorme, greymith humanous  Silkstone, grey  Madrone Silly, grey  isolated immusel Q 155'6"  25 in itemstone band Q 157'0"  3 in Q 157'7"		7 9
Silksone, grey, Municons fandstone  portings in top foot.  hundstone, grey, sikt rilly patcles;  hundstone, grey, sikt rilly patcles;  2 in stone bound @ 124'-t' 5 6 127  Silkstone, grey with irregular faced  Sandstone, grey, with hundrous plant  frequents:  lilkstone, grey; 3in iron stone bond @13:2' 5 8 135  Sandstone, grey; 3in iron stone bond @13:2' 5 8 135  Sandstone, grey; 3in iron stone bond @13:2' 5 8 135  Landstone, grey, with donkerney  Corbon accomo micaccom  portings: becoming compact,  lyre bream of proposition in bottom in. 6 9 142  Sundstone, Grey with seccasional  france frequents:  Sandstone, grey with humanous  Silkstone, grey with humanous  Silkstone, grey with humanous  Silkstone, grey with humanous  Silkstone, grey in the for 14 in.  Silkstone, grey  isolated imulsee! @ 155'6"  25 in ithous tone bond @ 157'0"  3 in @ 155'2"		
Silksone, grey, Municons fandstone  postings in top foot.  hundstone, greywith rilly patches;  hundstone, greywith rilly patches;  hundstone greywith ingular sand  Sultstone, greywith ingular sand  Sundstone, greywith hundrous plant  frequents:  liltstone, grey; 3in isonstone bond & 13:2  Sultstone, grey; 3in isonstone bond & 13:2  Sultstone, grey; 3in isonstone bond & 13:2  Sundstone, light greywith donke grey  Corbonaceons microcen  portings: becoming compact,  lyte brain of proposition  bacton. 2 feet; plants  prosequeling frequencies  Sultstone, Greywith secanismal  frank frequents.  Sultstone, greywith humanous  Siltstone, greywith humanous  Siltstone, greywith humanous  Siltstone, greywith humanous  Siltstone, greywith for 155'6"  25 in ithouse bond & 157'0"  25 in ithouse bond & 157'0"  25 in ithouse bond & 157'0"	sortleis and decisional	
hundstone, gregorith rilly pokkles; hundstone, gregorith rilly pokkles; hundstone ? bountracks and kanolikes; 2 in trons tone tand @ 124'+' 5 6 127 siltstone, gregorith irregular sound forgrands ! 1 3 128 hundstone, gregorith humerous plant frequents.  Siltstone, gregorith from tone bond @ 13:2' 5 8 135 Eardstone, light gregorith dealegay Contract frequency mile dealegay Lyre brown from prompter, light brown frequency in bottom 2 feer; plants foresone, Silly, grey gillstone, gregorith secanismal  plants frequents.  Siltstone, gregorith secanismal  siltstone, gregorith humerous Siltstone, gregorith humerous Siltstone, gregorith humerous Siltstone, greyorith h		<u>ئ</u> ج
hundstone, Gray sith silly pathles;  hundstone of boundracks  and kanolikes;  2 in stone fore bund @ 124'-t'  Siltstone gray with it regular spand  bundstone fragments, it humbrous plant  Lictorne, gray; 3in ison stone bond @ 13:2'  Siltstone, gray; 3in ison stone bond @ 13:2'  Siltstone, gray; 3in ison stone bond @ 13:2'  Sundstone, Gray; 3in ison stone bond @ 13:2'  Sundstone, Gray gray with darks gray  Carbon account fragments,  Light frain to flow in botton sin. b 9 142  Sundstone, Sully, gray  Siltstone, Gray with secasional  James fragments.  Sullstone, Gray with secasional  Siltstone partings in top 14 in.  Siltstone partings in top 14 in.  Siltstone, gray.  Siltstone partings in top 14 in.  Siltstone, gray.  Siltstone partings in top 14 in.  Siltstone fragments.  1 7 1448  Siltstone, gray.  Siltstone partings in top 14 in.  Siltstone, gray.  Siltstone partings in top 14 in.  Siltstone fragments.  1 1 148  Siltstone fragments.  1 2 0 166		تے ا
Selfstone, gray with irregular & sand  Sandstone, gray with humans plant  Inspection of the property of the same of the sa		
Selfstone, gray with irregular & sand  Sandstone, gray with humans plant  Inspection of the property of the same of the sa	Aumeion (bointinks	
Silfstone, gray with irregular sand  Sandstone partings & 1 3 128  hundstone, gray with humbrous plant  frequents:  It 1 130  Silfstone, gray; 3i ironstone bond @13:2 5 8 135  Sandstone, Cript gray with darke gray  Carbon accomming compact,  Light brown I ferry promise in  bottom 2 feer; plants  functione, Silly, gray  Silfstone, Gray with secanismal  plant frequents  Silfstone, gray with humbrous  Silfstone, gray with darke gray  Silfstone, gray with darke gray  (2 155-6"  25 in jamestone with gray with and with gray with gray with and with gray with gray with and with gray with and with gray with and with gray with and with gray with gray with and with gray with and with gray with gra	2 in itons fore bound @ 124'-4" 5 6 12:	7 8
Silkstone, gray, 3i ison stone bond @13:2 5 8 135  Silkstone, gray, 3i ison stone bond @13:2 5 8 135  Sind stone, Cight gray with dark gray  Light brain + farming ampart,  Light brain +	LIKE CAR LANGE OF A SECOND	
Selsone gray 3i nonstone bond @13:2 5 8 135  Sand House light gray with danke gray  Carbon so micros  portings: becoming compact,  light brown + Jenny com  bottom 2 feet; plans  gray ali it a stone in bottom in. 6 9 142  Munch House Silling gray of 6 142  Sill stone Gray with humanous  silt stone partings in top 14 in: 3 11 148  Sill stone gray it house on 6 4 7 153  And stone Gray Gray  isolated immune 6 155'6"  2's in item stone bond @ 157'0"  3 in @ 155'7"	Sandyone factings & 1 3 12	? /
light being forgoing  light being forgoing  bottom 2 feer; plants  proposed its store to bottom in. 6 9 142  limesthere Silling grey  Sillstone grey with humerous  Silkstone partings in top 14 in. 3 11 148  Lilbstone grey  isolated impose of 155'6"  2's in its green @ 155'6"  2's in its green @ 155'5"  3 in @ 157'7"	fragmans.	5 C
light being forgoing  light being forgoing  bottom 2 feer; plants  proposed its store to bottom in. 6 9 142  limesthere Silling grey  Sillstone grey with humerous  Silkstone partings in top 14 in. 3 11 148  Lilbstone grey  isolated impose of 155'6"  2's in its green @ 155'6"  2's in its green @ 155'5"  3 in @ 157'7"	Lilksone, granj; 3 in inonstone bond @13:2 5 8 13:	i
light being forgoing  light being forgoing  bottom 2 feer; plants  proposed its store to bottom in. 6 9 142  limesthere Silling grey  Sillstone grey with humerous  Silkstone partings in top 14 in. 3 11 148  Lilbstone grey  isolated impose of 155'6"  2's in its green @ 155'6"  2's in its green @ 155'5"  3 in @ 157'7"	Sandque Cique greywith darlegray	
bottom 2 feer; plans  gressive li instructione Toctom in. 6 9 (42  Sunderhome Silling grey  Sillstone, greywith occasionel  Sanderone prejuith humerono  Silkstone partings in top 14 in:  Silkstone partings in top 14 in:  Silkstone princips in t		
bottom 2 feet; Plants  grassina l'in insplant bottom in. 6 9 (42  linderhone. Silling frequential of 6 142  Sallstones. Graymith because  Sallstones prequests humerous  Silterone prefugs in top 14 in. 3 11 148  Lilterone com  brilling frequential of 155.6"  2's in ironground all 157.0  3 in @ 157.7"	ly 4 bran + Jengion in	
Ameliane Silly grey of 6 142 Sulstone greywith accusional 1 7 144 Sanderone greywith humerons 3 11 148 Silkstone greywith for 14 in 3 11 148 Silkstone grey 4 7 153 hunderone grey 6 155-6" 2's in Hongrone for 6 157-0" 3 in 6 157-7"	bother 2 feet; plants	
Imagrane) fillig gregi isolated immusee! @ 155-6" 2's in it is in the space of the second of the s		
Imagrane) gillig gregi isolated immissee! @ 155'6" 2's in its grave found @ 157'0" 3 in @ 151'7"	Siltone Gran it seconional	<u>.</u>
Imagrane) fillig gregi isolated immusee! @ 155-6" 2's in it is in the space of the second of the s	plans fragments: 17 14	+ 6
Imagrane) fillig gregi isolated immusee! @ 155-6" 2's in it is in the space of the second of the s	Sandepore megneith humerous	0 -
35 in 15 mg/row for d @ 157' 0"  3 in @ 157'-7"  3 in @ 164-6" 12 0 164	Siltyrone, crew.	
35 in 15 mg/row for d @ 157' 0"  3 in @ 157'-7"  3 in @ 164-6" 12 0 164	bundgrave fillig que;	
3 in @ 157-7"	solated huntrel (2 155-6	
huderone, gray, pecamina fairly deute (see	25 1 11 15 150 ( ) 157 0 ( ) 25 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
hudgone every becoming fairly deal (so	3 : @ 166-6 13 0 16	, 0
doorwoods; fragmenter; hussel @168/1. 4 0 170	hudgone gray becoming fail, dark goon	



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Name and	Number of Shaft or Bore given by Geological Survey:  Blackwell A' No. 2 Kilkum & H.	SK			W	<b>/</b>	<b>.</b> 6
	300000 1 NO. 2 Mounts II:	O I				3	
GEOLOGICAL LASSIFICATION	DESCRIPTION	7	HICKNESS	- 51 		F.	J
	0	Bron	per for	wor	<b>el</b>	170	0
ESTPHALIAN A	Shale, darkgan with Filly patches;			7	,	172	
	hunder a Ga with 2 to men tracker		1	1		1/2	1
	a few parker of isone for						
	toward the bostom:						
	becoming fairly despeny +						
	Shale in bottom 2 in.		2_	10		175	5.
MICKLEY .	COAL 13 in (8 in Seen)			<u> </u>	_	<u>176</u>	6
THIM	Scatewil: hundstone brownish me.			ļ		***************************************	
	Scatterili: hundstone brownish grey						
	humanis Lands						
,	- hi harton Look	,	3	2		179	\$
	Sillstone, gray with humanous sandytone					L. J J	Q
	bands in top foor; spondic		"				
	1-01-00-16		3	5		183	1
	Sandgrove light goey with humanous						
	silkspie portuge and darkery						
	micacon carbonacon						
-	parting.		7	7		190	8.
	hunderone grey with Slightly					***************************************	
	get parties,						
	becoming faire dock year						
	with Anthraconaula from					***************************************	
	2-0fr.;					***************************************	
1.0	31m hours a Asland Tage 8/200 Q2-	5-8"	15	٥.		205	8
	hundspore silly I dark gray with						
	humans/fresered mussel						
	on certain badding planes;						
	hudgore, silly odarkgrey with human of freserved mussel! on cerain bearing places; below 215fr. He hussel, are all Anthraconavia;						ļ
	all Anhaconavia;						
	cleasional ? wormpacks;						
	bottom 4 in content summer						
	fish fragments while the						
	boton 1/2 in is also cannelaid						
	Shale	[·····	28	1		233	9.
•	•		· <del>Xxxx</del> ufa				
	Cogl 2 in.		٥	2	2	233	//
	hudgone, down gueny with abundant						
	Seateasth: huddrag dark gray	<b>'</b> ə					
	Parties 1 de 12-		0	2		234	
	with lithic turques.			8			c
	Seakenil Musels a sis it		0	8	- 2	234	7.
	Seakearih: hunastone, gray with humano hoorkels & fairly human itonstone hodules.	ļ. <b></b> .	-				
		I	Jan and a comment	I	,.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		8



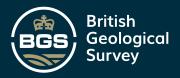
Traine and	Number of Shaft or Bore given by Geological Survey:  Blocksell 'A' No. 2 Kilbon S.H.	JA 4	91		3
EOLOGICAL ASSIFICATION	DESCRIPTION	THICKNESS			
STPHALIAN	Interbanded fulthore and for defore	brought for	wal	240	_8
A	into secasional tootlets.	1	8	242	4
	hunderone, gray becoming fairly				<b></b>
	dark my downwards;	,.			
	occasional this isonstone				
	bands; oceasional plant				
	fragments in top 5 feet;	ļ			ļ
	10 746 1" Off " hard ?	17	7	7	-7
	Sentench: Sandstone, greyentop qui		3	259	/
	+ railer silly, light grey below;				
	human rooflet.	2,	7	262	2
	Sandyone, light green with humerous		7		
	Carlamaciono pricaccono				
	parlings.	3	5	265	7.
	Siltonne gray	0	9	266	4
	hundstand, graywith Silly patches;				
İ	? (sourracks + Planolites.		-		
	14. it on stone band @ 27/48" bis band frittstone @ 274'-0"				
	hussels from 274-6"	15	9	2 82	,
	Siltstone grey with poorly preserved				<b>4</b> *.
	'mussels' in top 4 in + plans	<			
	fragments below.		1	283	2.
	hudstone, Slightly Silly goey with				, <b>.</b>
	huastons, slightly silling grey with				
	On have of poorlers.	72	10	2.87	
ļ	J. C.	72	Ø	290	2
†	hunderene Silly gary with ? worm		6	202	0
ļ	Jan delan & Cal A it ? I wan track		6	297	0
	hundstone , say with? worm tracks and Planolites;				
	bussels from 299'-4".	2	10	300	6
,					
-	COAL 3in (hot seen)		3	300	9
	Searcail: hundspore, dark ge brooks	<b>(</b>			
	grey in top bin + greybelow; bundant Nootleto.		6	302	7
	Sentent : Silks a Back H		ا ت	ے ہ د	٠.
	Seascouth: Silkstone, Greywith	l	5	303	8.
	Seatearth: Sandsone light gray		-		
	with rooylets and it anshore				
	h a-d 10 °	1	6	305	2 ,
	Siltstore gray with human parlings and bonds of light gray Sandstone; a few plans fragments humassome, Silty gray; "Sincord" 2311:3				
	and banda of lips gray				
	1. Sanderone; a few plans fragments	4	8	309	
	Sinder silly grey, smeard @311-1		10	311	ि
-	Sandstone, light prey with hundstone parties in top 4 is + Silstone parties below.				
	TOP TO THE THOUSAND			1	2



	Number of Shaft or Bore given by Geological Surve					
	Blackwell A' No 2 Kilburn B.H.		6"	Carter S	Mee	<u> </u>
		Т	HICKNESS			
GEOLOGICAL CLASSIFICATION	DESCRIPTION	6	الما	0+100+0	2 314	2
PESTPHALIAN	Siltstone, guerywith light goey Sanders	10 - W	THE T	- Ware	314	-
A ,	parties between 317-2"+ 319-0.		15	11	330	1
	huddrone, freywith? wountracks			ļ		
	Planolites.		5	11	336	
	Silfstone, grey neith light grey Sand stone partings from 345ft to 347-2".	•	11	2	347	-
	hundstone guy with silly parches;					2
	Porm trocks, Planolikes,					
	'smevids'; becoming fail,					
	dark grey with no belighore					
	portings below 354 LO"		10	2	357	
	Research: Sandylore, gray with sootle	â		2	358	(
	Spordie dorn gay carbonnes					
	Micaceous partings;					
	humanon giltstone bands					
	from 366 ! O"; plant debais					
	throughout.		10	3	368	9
	Dealeouth: Sandstone, light quey with siltstone bands; acostlets					ļ
	Jumesons plant fragments.		2	<b>#2</b>	370	11
	Sandspore light quer with plant				-	
	fragments.			3	372	2
	Introbanded Sandyone + Filtrone.		<i>!</i>	10	374	٥
	Sandfore. Creamy gray with humerous darkgay carbonace					
	micareous partings.		5	10	379	10
	Filtstone of gray ? Worm tracks		<b>.</b>		~/ /	
	and Planolites below 386'0.		10	2	390	0
	hundere graywith ? wormtracks					ļ
			15	0	4-5	C
	And some fourly dark gray with occasional Anthodonaulai					
	occasional flanolites +					
	a few fish fragments in					
IABURN	John 3m.		6	2	411	2
OR IXON	Silterone grey very tough with have					
I	phorles which occasionally		2	9	4/3	//
1	Silvone gray with sporadie voorlee's			7	7/3	
	A toleasianal Hongrove hodules		2	8	416	7.
}	Silkstone, gray with light gray Sande the			_		,
ingfiku (	partings which are Very Sparse					
FLAGS	below 419'0", Very oceaniane		-	-	,,	
	Sanderone P. The gran with one Closes		5	3	422	70
	Sandepone. Light gray with gray silveron					
	Creywith humanous corbonacions					
(	Incareas pulings below an 8 in					
<b>1</b>	Silkroeband @'439'4';				1	



Name and	Number of Shaft or Bore given by Geological Survey:	di		Fy	11/1	<b>!</b> /	
	Blackwell A' No. 2 Kilkum B.H.	JI	14	Lar	. Sheet.	16	
***************************************							=
		T	HICKNESS	1		D TH	3
GEOLOGICAL LASSIFICATION	DESCRIPTION	7		,			<b>y</b> _
<b></b>		12 ron	Yu f	Mus	evel	422	15
STPHALIAN	Carbonaceon flow fragments						
	feller out a fear clusion	 					
İ	of iron some from 496-0" 6506-0"						
1	functions finale telephone		,				
	inclusions from 506.6" to 507.0		,				-
	La few Siltstone inclusions						
	Twee slump bodding from	,	0 7	7		<i>~</i> 14	-
	507:10 phase.		0/	6		510	7
WANG FIELD	Tiltstone gary with light quey gandstone		0	9		511	,
FLAGS	Randon 1 1 1 1 1 1 1			<i></i>		S //	
(contd)	Cilkrane and as in to 150	<u>-</u>					
(Carred)	belovelich the fortings become					·	
	cosbonaciono + micacons:	<del>-</del>				-	
	a few bands of silvere mely in	s	,				
	from 523'o" to 529'o";	<b></b>	-,,,,,	j			
	Cool greats @ 536'-9"		***************************************		,		
	Siltstone and bonstone inclusions						
- 1	from 536' 9" to539'5";		***************************************				
)	marily Siltyrone foith Sandyone	,.,		***************************************		r	1
(	bands from 544'-9" to 546'-0" &						1
	547-3" to 548-0", 549-0" to 549-8"						
	+ 556'-9" to 558'-2".		50	8		561	9
	Silkstone, goey with human light	,					
	god, gundepone portings						
	I secasional bands whop						
	Sfeet; ? Worn tracks from 568-0"		13	1		574	10
	Sandstone Creamy gray with down						<u> </u>
	Poly Conbonaccon micacons				i	.,,,,,	<u> </u>
	huderone, Silly, gray with? Woom	***************************************	3	I		578	9
	Sunderone, Silly, gray with? Woom				,		
	polls and Kanolikes;						ļ
	Occasional thin Sudefore						
	g bands below 582 b"	,	5	3		584	
	Jand Grone, gra		કે	4		589	
	Sillstone skey hudstone skightly silly gray with ? worm tracks & Planolites &		<i>I</i>	4	,	590	8
	mudstone, Kightly silly gray with						
	: wormtrack Stlandites +						-
. •	Pery occasional plant fragues	<b>5.</b>	2	6		593	2
	Havayione gold with mice cons		<i>.</i>			<i></i>	1
	Smassone, Silly with light gray			4		<i>5</i> 94	6
	Sunday was kight gay						
1	Surviva Portion	عم		,		<del></del>	7
**	hunderene, Slighty Silly goen with			<i>[</i>		595	
	human c ?	,					
	Hland To S		1	a		567	//
<b>√</b>	Investore de l'Els Oco la de			9		597	-
	Frenches light que fonderne Siltstone, gray Smidstone, Silly, gray		, .	2	<u>]</u>	578	1
	rillstone ero		1	0		599	
	CONTROL OF THE A. M. P. C.		•		1	<b>377</b>	_



Name and	Number of Shaft or Bore given by Geological Survey Bluekesell 'A' No. 2 Kilburn 6.1	KA\$3	4	he	RS	
GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNE	ss 7]		THE	•
WESTPHALIAN A	Sandstone, light grey with humerous	2	a			
	Silkstone grey lit Planolites +					
	hudkone, filly grey with Woom					
	Silkstone . greywith light grey gand 960					
	micaceans partigs	7	2		619	2.
F <sub>1</sub> common	Silvery of a with house of light	2.	11		622	1
٠	gody Sand Hone up to 3 in.	rey with bands of light  y 3and 81one up to 3 in  ch.  2 11 625 0  3ilty, grey with humans	Ο.			
	Mudstone, Silly gray with humans ? Worm backs + Planslites.	3	4		628	4.
	BASE OF BORCHOLE					
J. F.b. 1981		-				
	BASE OF BOREHOLE					
					608 6 · 612 0 · 628 4 · 628 4 · 628 4 · 628 6	
		light greywith humerous  ref. I grey Siltstone.  Legwith Planol Fles +  Den trucks.  Filly, greywith? Woom  ke and Planolikes  Lywith light grey Sand Hore  Les and portings				
	·					