Confidential

or not



GEOLOGICAL SURVEY OF GREAT BRITAIN

RECORD OF SHAFT OR BORE FOR MINERALS

(For Survey use only)

6-inch Map Registered No. 112/284

Nat. Grid Reference

Mill Lave, Stainsly Borehole

Name of Shaft or Bore given by Geological Survey:

Name and Number given by owner:

SK 4510 6619

For whom made N.C. G. No I chea Fast Medlands Six Town or Village Stainsly as Hoold County Bollys

Exact site 600 yards 55 of Moold Attach a tracing from a map, or a sketchmap, if possible. 1"O.S. Map 1"N.S. Map No. No. the deep soft Coal

If not ground level give O.D. of beginning of shaft bore

Ground Level at shaft bore relative to O.D.

Purpose for which made Lagrane

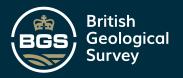
Information from Cose

Date of sinking OCT. 1960 Date received....

SPECIMEN NUMBERS AND ADDITIONAL NOTES L. (V.

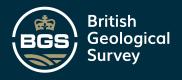
(For Survey use only) GEOLOGICAL CLASSIFICATION UPPER CARBONIFERON WESTPHALIAN B

TOROGO INTO A COR COD ATTA	THICKNESS		Двртн	
DESCRIPTION OF STRATA	Fт	in.	FT	in.
Gren Lole - Boremaster records			0	
6 lay will boulders	1	0	<u>×</u>	0
Clay and Shale will	6	0	14	0
Cosing Commerced at			14	
Mudstone oney will wonstone				
bonds and plant yragments		0	75	0
Sandetone, grey fine grained				
micaceous firely laminated				
micaceous finely laminated signed				
gellow in pails and containing plant fragments				
Cinsulie of siderile censul	12	6	27	0
at 24' for 1 ft.			_	,
Striked Leds	<u>a</u>	9	29	
Mudstone Grey tilly, with worste		6	30	6
Mudslove, grey well their		0	3/	1
Constant Lands		6	33	
Mudstone, grey Care fragmentary	o	6	33	
Care fragmentary			7 /	
Cose musing	/	3	34	1



2

6-inch Map Registered No. Name of Shaft or Bore given by Geological Survey: Mill Lane, Stainsby SKYLONE 21 THICKNESS Dвртн GROLOGICAL CLASSIFICATION DESCRIPTION OF STRATA in. Fт in. WESTPHALIN B bands; becoming dark grey Mudstone dock grey 0 caeseing down 6. 3 0 60 O stone, grey, sil Cool (core fragmentary) DUNSIL Seatt Early mudstone, grey with 66 4 will cooly Street grey will exegular 10 Z 0 Cone fragmentaly lacking dawn 82 13 10 0 86 4 0 grey will will, mudston 5 2 guey soft, somewhat Muddling grey will save 98 0



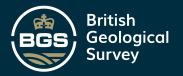
Name of Shaft or Bore given by Geological Survey:		inch Map gistered	200		Hamiltoniamica	
Mill Lane, Stainsby B.H.	140		مطيا	12	21	
<u> </u>			40,	4 - 1		
GBOLOGICAL DESCRIPTION	OF STRATA		Тніск	NESS	DEPT	TH
CLASSIFICATION	01 0111111		Fт	in.	Fт	in
JESTPHALIAN B	fied force	old	•••		98	0
Hin of 18 WATERLED		Llenc	>	0	105	0
	100	7	<i>C.</i>			
Mudstone, grey	, silly see					
Montan	andule a	ude .		0	106	
	mouts			0	106	0
Sellstone grey	well plan					
Jaculula				6	107	6
Sanditore que	y well je	eal				
fraguent			a a	0	109	6
Mudetane one	. will a	coustin			•	
Lond be	coming Rel	C. en				
1,0,00 00-	, Seel	<i>7</i>	10	0	119	6
M. d.f. der	k ener he	ibl				
Mudstone, dor		nd				
	-	A -	2	0	121	6
Munerau	, musuls			ر	/ ~ /	-
Stale, black		per of			12/	
well organ	uc gragme	us	0	/	//	-/
						٠.
WATERLOO COOL MARKER				65	(32	<u> </u>
Ne te			0		122	2
Stale dork gre	y will pla	ممد		<u> </u>		ļ
flague	Js		0	12	/22	4
Seat Costs; M	undelane g	rey				<u> </u>
will blo	ule and	۲				ļ
Sporadi	c caregula	<i>_</i>				<u> </u>
Wansto	ne nadu	les .		0	/23	4
Mudstone grey	selle we	elk				<u> </u>
llant y	Lacaren	4.				
and ile	stone lea	uds	3	2	126	6
	re muse			2	727	8
Mudstone grey						
						1
	; judou	7	4	0	131	8
1 at the same		0_ 1				
	will p	cauc	2	2	133	10
fiaguer			<u> </u>	_	(9 5	
mudstone gre	y subey la	cell	-	-	11	
plant frage	ents.		7	7	141	0
laseng a	Cover to.					
Sandstone, gre	y fine &	rained				<u> </u>
well ste	jed beds	at	2	2	143	 - 2
liaso						
palling 6	Lown 4	5				
Selts love aner	auth X	ace		ļ		
	zments a	ad		ļ		<u> </u>
clark frac		- marle le	5	2	147	8
clark frac	cioneton		\$			
Mudstone and	cioneton		0	4	147	8
Madeline 30	exametons ry ier fredos	meneall	0	4	147	8
Madeline 30	exametons ry ier fredos	meneall	0	4	147	8
Mudstone, grandling, graddling, grandling, grandling, grandling, grandling, grandling, g	eran elong ry ry fredor Hore flo	wally w	0	4	/47	8
Mudstone, grandline, g	examples by fredom have flo and co	receile rec constan	0			
Mudstone, grandling, graddling, grandling, grandling, grandling, grandling, grandling, g	exemples by freder hore flo and in 6 3"/h	ouster	7	4	147 155 160	0



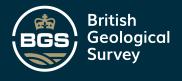
4

6-inch Map Registered No. Name of Shaft or Bore given by Geological Survey: Mill Lave Stains by SKYLONE 21 THICKNESS DEPTH GROLOGICAL CLASSIFICATION DESCRIPTION OF STRATA Fr in. 160 0 WESTPHALIAN B 9 0 160 Mudstone, dark grey well Sworter and musulo 161 Canaloid Stale dark grey 0 164 0 4 165 Z 2 167 and WATERLOD 170 mudstone at base 0 4 170 Coal // down 4 190 0 strea 190 0 181 10 192 11 cionstone 184 3 202 205 3" dick

towards have where shall

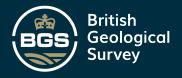


6-inch Map Registered 200 Name of Shaft or Bore given by Geological Survey: Mile Love, Stains by SKYLONE 21 DEPTH GROLOGICAL CLASSIFICATION DESCRIPTION OF STRATA Fr in. WESTPHALIAN B 2 Carried folward 205 10 211 0 211 Ź 3rd WATERLOD 214 Leat Earle; Mudstone, grey భ Sheaks @ 218-7 230 15 2 232 , grey sporadically 238 Coal fragmentary 239 245 0 cland debu crowstern band a 247-0 slave board 2252-10 detore band @ 260 - 2 Below 263-2 kunerous plants Colors, grey lough as torted hedding comis 2 276 6 8 276 0 Mudstone, grey, will wonstyng 278 0



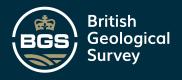
	e given by Geological Survey: No.		NE	[2	1
, ,		7	45	4	
Grological Classification	DESCRIPTION OF STRATA	Тніск	-	DEPT	
Quasirion 10N		FT -	in.	FT	in.
JESTPHALIAN B	1 Cosued yoursed	.,		279	8
	Mudstone Cres with munious				
	Mudstone Crey with numerous				
	"mussel" between 280' and 283				
	Sill batcher at 283'				
	Quanton tare below 290'	25	7	305	3
	Mudstone, dark grey will kussels	0	2	305	5
	Mudstone black well sporadic			9 0	
	"musiels" and plants.	-2	7	308	0
		,	8	300	8
18t ELL	Coal 20 in		 	309	2/
	Staly Cool			== > -	خت
	Mudstone, gray silly will				
	plant fragments; sporedie				
	cionstone and grey				ļ
	sandstone bonds	9	2	319	
	Sillstone, grey, resistant well			290	
	scattered plantal tes	9	+Z	328	8
	Mudstone, Grey, Selly well				
	silling bonds much	to		332	9
	and plant fragments	0	3	333	6
	Mudelove grey lough and silling				
	will storadic isonstone band				ļ
	and tose plant debies.	10	0	343	0
	Mudstone grey will sporadie				ļ
	plant demains and constone				<u> </u>
	nodules Becoming dorker				·
	grey and will numerous				
	hadly preserved "mussels" nest have	5	10	348	10
	Mudstone, grey silly with many				
	Mont Leaguests and				
	chart fragments and chegalat charter nodules	0	8	349	6
	Sill lone grey with mexcolation	4			
1	of mudslove, cottende		_		
	resustant; conscolerable		+		
	distastion of hedding wints;	1			-
	Constone bands	8	2	3 57	8
	Medeline ares sill: well worstone	1			
	Mudstone grey silly will worstone	4	4	362	0
	Mudstone grey will kumerous "mussels" im perfectly preserved. Becoming adorker grey lowards the hase play and containing				<u> </u>
	"musuels" conferfectly preserved.				-
	Becoming a dorker grey lowards				
	the have play and containing	1.	8	7//	8
	pysitish plant debis	4	8	366	8
	Coal Win	2	7 4	3/0	13
	Coll William			3 69	

C.B.H. 27185 - Wt. 53825 - Dd. 0609-2000-2/56

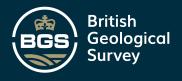


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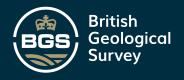
race race	Stainely B.H. SKH	ONE	21		
1, ,					
GEOLOGICAL	DESCRIPTION OF STRATA	Тніскі	TESS	DEPT	TH.
CLASSIFICATION	Disponition of Disease	FT	in.	FT	in.
	Corned Journald			369	0
WESTPHALIAN B	/				· · · · · · · · · · · · · · · · · · ·
	Seat Earld; mudstene, grey selly	2	3	371	3
		æ			
	Mudelone, grey, selly well plant	,		ファラ	/_
	fragments and woustone bounds			372	10
	Sillatore grey will mudstone				
	intercolations & Contasted bedding			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	units	8	7	381	ゔ
	Sandstone arey this Grouned Micacon				
	will disturbed bedding lines ?				
	1				İ
	selstone I sell, mudstone giving				
	an appearance of stujed hed			201	
	towards the base	4	8	386	
	Mudstone, gray silly well worstone				
	bands and sporadie muculi	/	8	391	6
	Mudstone grey sill well sporadic				
	"musul" and plant fragments				
	Retulant sillators band a 394-0				1
		5	4	396	10
	396-10	~	, 7	2/6	
	Striped lods; intercalations of sellilone				
	and felly mudstone will woust	.			-
	bands constituting on extremely				 _
	lough and resistant tack	6	6	403	4
	Mudstone, grey tilly with worstone				
	leands deexacing in selliness				
		4	8	408	0
	M. d.t. and West Children				
	Mudstone, grey will their esoustone translate and numerous poorly				1
	preserved "Musuls" transpositions of som edge of core		ļ		·
	freserved Mussely transformen	16		424	10
	from edge of core.	16		1	10
		2	ゔ゙	427	3ء ا
	Mudsters, grey Slighty selly will live isourstone bounds		ļ		
	this isonstone bounds		<u> </u>		
	Containing Sporaclic "kussels" belle freserved Clan in the				
			1		
	filled theatista wan in the			1	-T
	The section of][
	The section of				
	Mudstong Spirorlis @ 428-0	Q	2	1, 21	
	The section of	9	2	436	5
/	Mudslong Sprovbis Q 428-0 Mussels not Common below 431-0	9	2	436	5
./	Mudstong Spirorlis @ 428-0	9	2	436	5
	Mudsling Sprovling Q 428-0 Mussels not Common below 431-0 Chay CROSS MARINE BAND		2	436	5
	Mudstone grey 6 dock grey slight		2	436	5
	Mudstone July 6 dark grey, slight		2	436	5
	Mudstone grey to dock grey slighty Ally with the cronstone		2	436	5
	Mudstone grey to dark grey, slighty will be under the continuous continuous continuous continuous and containing		2	436	5
	Mudstone grey to dock grey, slighty will be und containing Lingues Schools Schools stacked		2	436	5
	Mudstone grey & dock grey slighty willy will this crontiens solicost and containing Lingula Gist news and containing Lingula Spisolings Also		2	436	5
	Mudstone and Containing Lingula Survey and Survey Astronomy Strates and Sunvey Astronomy Australian Also Mudsels and Sunvey Astronomy Surgela Survey Astronomy Angula Survey Astronomy Also Australia and Sunveyella of		2	436	5
	Mudstone and Common below 431-0 Mudstone grey to dark grey, slightly will this cronitions Lingula Spirorleis Ostracody and fish Remains, Also Muscel's and Sunbarella of. Dranstone forting \$0.438-7		2	436	5
	Mudstone and Containing Lingula Survey and Survey Astronomy Strates and Sunvey Astronomy Australian Also Mudsels and Sunvey Astronomy Surgela Survey Astronomy Angula Survey Astronomy Also Australia and Sunveyella of		2	436	5



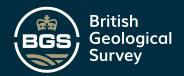
	given by Geological Survey:		~ ~ _	t		
Mill Lave,	Stainsby B.H.	SKI	10M	= 2	_1	
· · · · · · · · · · · · · · · · · · ·			Тніскі	VESS	Dept	r H
GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	\	Fr	in.	Fт	in
	Carried force	aid	****		436	2
VESTPHALIAN B	1" wanstone hand a 44	4-0			***************************************	
	Besal 6" black mudsto	ne				<u> </u>
ļ	biluminum will coal st					
	and containing lingula					
		ann				
	fil remains.					
	(Macine band facena al	so				
	Conlains					
						ļ
•)				<u> </u>
		•	8	フ	445	0
JESTPHALIANI A	Coal 2in		0	12	445	2
JOAN			0	2	445	4
	Staly Coal				440	+
						-
100	Seat Fould; Mudslove, ligh	e gray	_	7	/	-
	wely selly,		0	3	445	17
	Mudstone, grey silly well !	last		ļ		
+	debies constone rodu	les,				
	Have "musuls" dessemin	red				
	unites and produced	last				
	Macmento		5	5	451	0
		/=		ļ		
		/:	 			
	leands containing of ord	rocec	_ر	6	456	6
	mussels"	- 4	5	9	756	-
	Meditore, grey, predominan	ty	ļ	ļ	1	
	selly will sporadie for	ily				
	recoved "musuls 20	ustons				
	leands and sillstone colore	calation				
	Towards base Basal &					
	inches blackin Colour		9	4	465	10
	Att 1 laster will lander	WIDII.			469	6
	La L		C	0	170	3
	Sandstone, goey fine grave pricaceous, well con	2 oc,	7	1	7/7	_ ب
	mecacious, well con	ence e,				+
	marine by 2-8		-	<u> </u>		
	& seletono & sely mudelone stige					
	contacted a deitwheel hedding	. ॅ३ -3				
	(mudstone and belletone tale	calation	•			
	Passing down 6	(1-11))			
	Mudstone grey selly well	ceanto				
	(and		3	0	482	3
	Mudstone j grey willy well o	At in and	1	1		
	And Sout remains 9th	war of a D	.]	1		1
	and four remains	-uelly	-	1		
	bustenes of movement.		+ -	+	1,//	+ 7
	Sporadic isonstone bonds		3	+/	485	4
	Seat boill mudstone grey	Relly		4		
	will plant debus.		2	হ	487	9
	1 / 20 / 1		0		488	్ ఫ్
	Reltetane. area.			1	B .	1
	Middler are sel	itl.				
	Mudslove, grey selly as	itl Ta-				
	Sillstone, greg Mudstone, greg sell, av sillstone bonds, irons	ith lone				
	Mudstone, grey selly we sellstone lands wonds modules and bonds	and	7	, ,	496	4



	Stainsby B.H SKY	Hol	= 12	기 _	
1, ,	/				
GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	Тніскі		DEPT	in.
CLASSIFICATION		FT	in.		
ESTPHALIAN A	Carried forward.			496	4
	and plant remains Becoming				
	dark grey towards have will				
	"musul" and ostracools.	3	//	500	3
,					
	Chal cool 3in.				
	dit zin & Bin.	2	8	500	
	luck 3 in.)				
		,,			
	Meditine dark green will cooly				
	streaks near top wandone			.,	
	learly 9 nodsiles; listue	6	3	507	a
	surfaces common.		ره	207	
	Mudslove, dark gray will "musels	e' 5	2	512	4
	and claritone lands will much	ے پ	α.		7-
	Mudslove, grey will mustels	9	7	521	11
			/	0 02 (
	Mudstone dark grey will numerous				
	mussels and constone bands				
	will muscels; Sporadic astracock	11.	5	536	4
	and plant fragments lawards	14	2	539	سيسا
	the base	47	<u> </u>		
20.	bright cont Coal coal din .				
ove Samer Report					1
	budsion yee tissue det 9 coal 6 in:	7	5		
LAY CROSS		j.	8	543	9
SOFT	die die Car				7
	hadene lim	Í			
light on sundstone	Bright Occasional 36m diet 3/m 36 in				
apar y par a lice	dest & Gal 19 in.				
	Leat Earth: Mudelone light grey				
	well nootlets	2	0	545	9
	hading down to				7
	Mudstone grey silly will will will				
	manstan e macliles				
	9 in worstone band a 547-2.				
	Core fragmentary				
		15	/	560	16
	Core mixing	3	2	564	0
	Silistone grey with selly mudstone wile calabour &				
	mudstone intercolations &				ļ
	Storadio Plant Almais	5	12	569	12
	Midstone arey silly with				ļ
	Modstone grey silly will will wonds	8	/	577	3
	Man 0 4 3 4 3	10	6	578	9
DEEP SOFT	Coal coal 6 in				
DEEP SOFT	deit gin 18in	*			



GROLOGICAL	DESCRIPTION OF STRATA	Тніскі	VESS	DEPT	H
CLASSIFICATION		FT	in.	FT	in
ESTPHALIAN A	Corned forward			578	7
	hill rostlete and coalified		2	57 9	11
	Mudstone gree selly well plant				
	remains and Harlow bands	3	/	583	0
	Mudstone dark grey well evaly				ļ
	parlings	3	9	586	9
	Seat ball Mudstone grey bell	Z	0	5 ⁻ 88	6
	lestic surfaces a class remain	3	0	5 ⁻ 91	9
	Middles are will cronsling				
	bands core fragmentory	5	7	597	4
	Muddlone, grey well worstone				-
	leads and naumusels	0	11	598	3
	Mudslove, grey Selly with	, a	9	601	Q
					1
	Mudstone grey will mussely and				
	hands and nodules allow paris				ļ
	by many listue butfaces.	3	14	604	4
	Core fragmentary		0	605	4
	Mudstone dark grey slightly				
	selle well wonstone hands				
	Ostracody and plant remains				
	to former being farbeularly		>	(0)	
	abundant in the Hoastone		3	606	1
	haddene grey heel Houstone				
	Spiroles & 608 ft oin 9 feil?	3	6	610	/
			ļ.,		<u> </u>
	Cool (not seen) 105 in		105	610	44
	Seat Early, mudstone grey will	1	01	612	0
	Ralling down 6				
	Mudstone grey will rootlete	0	8	612	8
	Mudstone grey will rootlete Sandstone, light grey with Laminations of intercolations				
	Sandetono, light grey with Comingtions of intercolations of sillatone and sell, mudelon and constone modules				
	of wellow and well width	5-	4	618	0
00	and was to war.	Į.			
OS Tily1981	End of bosing a			618	
July 1981		-	_	1	
V				1	
		IL CO		1	







WATER RESOURCES BOA	RD	W.R.R. REE NO	16
WELL RECORD	SHEET 1	W.R.B. REF. No.	5K46/8
WELL RECORD		R.A. LICENCE NO.	
I. WELL IDENTITY	NATIONAL GRID REFERENCE SK	4513 6622	
well at Mill Lung 600 4d SE of Harsh	Ullage Blves	. REF. No. 112/2	<u>ጀ</u>
Town. Staissol			
County		ATCHMENT	
	, ** \$ D		
	D	ate received1	3.68 3.00
2. WELL DESCRIPTION			
	m. If well		
above sea level (0.D.)	QQ.±ft. ground 10		
Shaft ft.	deep; Diameter at top		bottom m. ft.
oreft.	deep; Diameter at top		bottomft.
Details of headings			
			<u> </u>
DETAILS OF PERMANENT LI	NING TUBES	i	
Length , Diam.	ft	lotted	op m. above* surfac
Length ; Diam.	m. ; Plain m. ; s	lotted ft.	ropm. <u>above</u> * surfac
Length ; Diam.	m.; Plain m.; s	lotted	ropm. <u>above*</u> surfac ft.
Details of well screen			
DETAILS OF REST WATER L	LEVELS DURING CONSTRUCT	ION	
water struck at depths of			below well top
Rest level of water	m. above* 0.D.* below well top when b	ore ft.	deep. Date
Rest level of water	m. above* 0.p.* below well top when b	ore ft.	leep. Date
Rest level of water on completion of	below well top when be	m	leep. Date
Method of drilling	ment e.g. acid treatment etc		
Method of drilling			