## **Springwell Solar Farm**

Environmental Statement Appendix 11.2: Springwell Preliminary Risk Assessment Part 4

NYNIZYCCIN ING

Volume 3

APFP Regulation 5(2)(a) Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

EN010149/APP/6.3 November 2024 Springwell Energyfarm Ltd



## APPENDIX E6 BGS BOREHOLE LOGS – ZONE H

Page 1 | Borehole TF05NW13 | Borehole Logs

Version 2.0.6.6



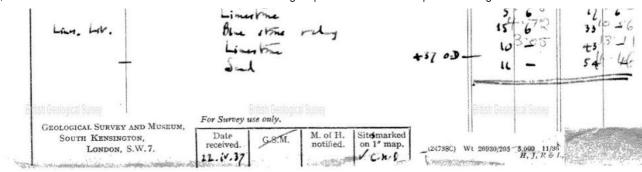
BGS ID: 469081 : BGS Reference: TF05NW13 British National Grid (27700) : 504606,358407

<< < Prev Page 1 of 1 v Next > >>

RECORD of WELL BORINGS (Nos. 19 129 Survey No. 1" N.S. 114-Across to adving 1/the Lincolustia L imatine, 9 miles. 4 Lincoln. 1" O.S. Town, Village, &c County. Six-inch map. Exact site (unless a tracing irom a map is supplied, give distance and direction from parish church, cross-swads, or other object shown on maps). y LA.D. In Popular Edition (Sheet .. 1" suche . one-inch map, (Square... Surface level of ground\_\_\_\_\_\_ft. above Ordnance Datum. Well or Bore commenced at\_\_\_\_\_\_ft. below surface level of ground. Sunk\_\_\_\_\_ft., diameter\_\_\_\_\_ft. Bored\_\_\_\_\_ft.; diameter of boring; at top 6 in., at bottom 6 in. Details of lining tubes (internal diameters preferred) All the trans were drilled to take captories (for the science when I gaptyrical survey Water struck at depths of (feet) Rest-level of water below top of well or bore\_\_\_\_\_ft. Pumping level\_\_\_\_\_ft. Time of recovery\_\_\_\_ hours. Suction at\_\_\_\_\_ft. depth. Yield: (i) on test\_\_\_\_\_\_, (ii) normal\_\_\_\_\_, (ii) normal\_\_\_\_\_, \_\_\_\_galls. per. Quality (attach copy of analysis if available) Made by Le Come S-blif & Coll Date of boring Nov. Dec. 14.50 for 1 Information from For Survey use only). THICKNESS. DEPTH. TROSNE A Tara Otional remarks GEOLOGICAL CLASSIFICATION. Foot. Inches. Foel. Inches. Nos 19 + 20\* Records expandly and promoted . Ming. Ne vice y void prit Vice Home . No. 20: Namely Want 4-114 -Lu mit en I mile +8 chains E & Normaly 1 . Tomphe Bruer + Temphe High Grage ( joint) Kittin ; det the dame with y Truthe Strip Trunge Fame, 10 daine E francis val , + lo chance i for road landing ca + 155 with. O.D. 154 soil .68 Joh with Linnahome Linus . List. FOSNU 12 in N.Ely Vame pour rin. Mont 51 d 1 - 3 \$4 O.D. My +105 . No water. VS-Anik Lody 6 38 OS NW B paris . ( Most 1/4 ml. N.E. 4 No. 23\_ S.E. y la WNW of Superial chanch ; cr. 3 d aniles. - where In le N.W. , + 34 chin S.W. ) Loty ich - Navaly mid. O.D. cat80. Rulland of 12 5 34 t 28 ft. how ; halo shink again at 43' dow 0 wy sal 61 lat moto rotan Joil ration mayon

scans.bgs.ac.uk/sobi\_scans/boreholes/469081/images/10813457.html

Page 1 | Borehole TF05NW13 | Borehole Logs

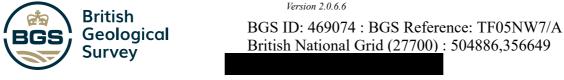


Page 1 | Borehole TF05NE4 | Borehole Logs

Town or Village	Marin &					Si	c-inc.	harterst	neet \$7	Śv
Town or Village	14	1/2 -1-	- <b></b>	A. C. 1540 7	1 ¥ 4 6 1	4 And	4 1.		tracing	etch-m
- Launa channe -		m	parish of	COLOR M.				_J map	is very o	desirat
Level of ground sur										
Shaftft., di								; st do	ttom	-1
	it minig caros	(uncernar (	nameters preter	1eu)					-	
Water struck at dep	oths of (feet)					-				
Rest-level of water	below top of	well 4	4_feet.	Suction at		feet.	Yield	on	ho	urs' t
gallons p										-
			hrs. Amount				S	1 1 1 1 mar 1	2.8	
Quality (attach cop				,			<u> </u>	13		~
Sunk by		1	-				e of	f well	2.19	9
Informati							sitG	etitaitai (te	101	
(For Survey use only).			ATURE OF ST				THIC	KNESS	, DEI	PTH
CLASSIFICATION.			any additional i		a		Feet.	Inches.	Feet.	Inche
- Soil Handland	Port L	. i				di l		1	• •	,0
(		Jando				1.37	4	1		
1			<u>, , , , , , , , , , , , , , , , , , , </u>			0.30	1		7	2.
Growter 2			•			1.22	4		A A	3.3
Lindone	Blue	alay			ω <u>r</u>	615	-	Second	<b>.</b>	2
Loc		stars				2.74	7_	and the second second	Contractory	£
f f		elang	tons	Addresses - annotation d'arrachidaead frage		0,46	1	-		
Updatedanside	12 mil		plue sta	c 7		1.52	1	Sector 1	29	8.5
Bels	Black	K cle	C 10 C 12 C 10 C 10 C 10 C 10 C 10 C 10	K		0.61			30	
	Blue	. stan	and so that the second second second second		·····	1.83	1			10,7
and the second	Bhe	clay	(		A. 1	0.30				
and the second se	Very 6	had'	plue st	me		1. 89	- 39	Stores of	74	24
	Bran	Sand	stare		2	75	32	50em_	10	741
	Have ,	plue	prove	·····		15	-	at the second	<u>nx</u> .	
				1.9 and a children of the spiritual data ( 1.1 and 1.1			· · · · · · · · · · · · · · · · · · ·	1.11		
				P	menta		U.	di jera a	• •	
	2			Cor	100007			-		1
		·	200	POW	rments E DCil RQ'	RED	the sec	Na pro	حمة	· ····································
6:71 Kach	e clay s	257			~7		d cut t	50,	netra d	óum.
11.28 Cut	1 Stone		RLD				1 7.50.0	·		
34.14 5701	ur -	. 51	itsh Geologic 12, mey							-
								-	1.5	
·							· · · ·	8		
						÷.				
							· *	*	Partie -	
						÷	-	- to interest	P. 2.	
			<u> </u>				<u>- 12</u>			4 9
	····		<b>ta T</b>	· · · · · · · ·	s.	3	in the second	3		
1.	**********								4.50	54

Page 1 | Borehole TF05NW7/A | Borehole Logs

Version 2.0.6.6



<<

< Prev Page 1 of 5 🗸 Next > >>

11/23/22, 10:35 AM Page 1 | Borehole TF05NW7/A | Borehole Logs 1e. N. 18 See if And WELL BORING at Digby acrodrome, VIV County nes 6 in. map Geel map OS YO (VE) 1 in. map New Series 114 875.00 ade by Date 1905 Communicated by 007.0102 310-1 Height above Ordnance Datum Rest level of water Field sufficient quantity Quality (with copy of analysis on separate sheet) No 2 Bore -0489566 THICKNESS. NATURE OF STRATA. Feet. GEOLOGICAL FORMATION Inche Enjorant in fear Eword as Enjorant in fear Eword . Sour Tempte Grange to Harris. 2 Э - ana 0.61 1.13 36 0.5234 kinca hat. 6 6 135644 6 P [m. E.] U. Luco del 2.44 100 83874 21.9547 6 a blu 2 0.61 Low Let. 2.14 with yellow p 28.04 5.4418 97 Vlaw las 24.26 ailies 96 a ar 60 centst .22 4 6.0 at Dight -37 6 100 4 blu. G1.35 GAT 9. Est. 9. 14.5 0.51 3 103 hale LowerEstuarine -MUST 32.1 udstone [? sand ] With 0.61 2 105 Stor NSLY KA for yellow pa 37.03 Dark blue 16 16 121 MOUST ULT WE Uppertial neli. 3 A,B Seed on Lines 87 SW-E hetmoun is .x is Digy he port a Segued. 1 it west had) Site whe get AFFragelight 11:47 \$ "19/93 Peles 14/2/42 a Scate NG to the same place Trouble use produced by a loop a post tite (GSM - \$ ? and this it may be lot until according to more " KLS. 11/2/42] sied on Lines 87 SW-E RWL. 53'b5. 22.10.49. Nyild. 2,120 gpl. Lw6 Reteras Moz Bare . Om 00.002. 6469 & Digly GSM gt t.xi.25 SLAH GEOLOGICAL SURVEY AND MUSEUM, RMYN STREET, LONDON, S.W. 1. (S. 156.) Wt. 3621 269, 2000. 19. Ph. & Ty. Ltd.

Page 3 | Borehole TF05NW7/A | Borehole Logs

Version 2.0.6.6



BGS ID: 469074 : BGS Reference: TF05NW7/A British National Grid (27700) : 504886,356649

<< < Prev Page 3 of 5 • Next >

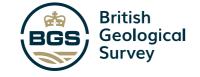
0518 RECORD OF WELL (SHAFT OR BORE) (RA.F.) Noi Ro Town or Village\_\_\_\_ thes ! County Six-inch quarter sheet\_ For Mr. TFOSNW 0488 5668 Exact site of well. Attach a tracing from a map, or a sketch-map, if possible. Level of ground surface above sea-level (O.D.)\_ Cel Is well-top at ground level ?\_\_\_\_\_If not, state how far below : feet. ft., diameter\_\_\_\_\_ft. Details of headings. Shaft\_ Bore\_\_\_\_\_ft. ; diameter of bore : at top\_\_\_\_\_ \_ins.; at bottom\_\_\_\_ ins. Lengths, diameters, perforations, etc., of lining tubes. Water struck at depths, below well-top, of (feet) 45 h. TEST DETAILS Rest-level of water 38 ft. above well-top. Suction at\_\_\_\_\_ft. Yield on\_\_\_\_\_ bours 'days' \_\_\_\_\_\_gallons per\_\_\_\_\_(max. capacity of pump\_ pumping ... g.p.h.), Year. with depression of\_\_\_\_\_feet. Recovery to\_\_\_\_\_ mins. hours. Rest-level of water in\_\_\_\_ \_\_\_(month),\_\_\_ \_\_\_(year),\_\_ well-top. Highest (month),\_\_\_ (year), WORKING in\_\_\_\_\_(month),\_\_\_ above Lowest \_(year),\_ \_ft. CONDITIONS Suction at \_\_\_\_\_\_ft. Rate of pumping \_\_\_\_\_\_galls. per \_\_\_\_\_for\_\_\_\_ hours per day. with average depression of\_\_\_\_\_\_ft. Recovery to\_\_\_\_\_in\_\_ mins. bours Quality of water (attach copy of analysis if available)\_\_\_\_ J.T. BARNES & son, Well made by\_ Date of well SLEAFORD-Information from. AD ONAL NOTES. "Supply not person, but a lost of watere MOI BOD. RNL 38' 6.5 (a) yild 2.480 gpl.

1/2

	GROLOGICAL SURVEY AND MUSEUM,	Date received.	G.S.M. Other File No.	I" N.S. Map No.	1" O.S. Map No.	Site marked on 1" Map.	(use symbol) on 6" Map.
Bitişh Geolog	SOUTH KENSINGTON, LONDON, S.W.7.	. British Geolog	ital Survey	114	Bi		0

Page 4 | Borehole TF05NW7/A | Borehole Logs

Version 2.0.6.6



BGS ID: 469074 : BGS Reference: TF05NW7/A British National Grid (27700) : 504886,356649

>>

<< < < Prev Page 4 of 5 < Next >

2 TFO NATURE OF STRATA THICKNESS GEOLOGICA Feet Inches If measurements start below Inch CLASSIFICATION ground surface, state how far .... ... ••• .... 54A 91 91

2

Britsh Geological St

Page 4 | Borehole TF05NW7/A | Borehole Logs

....

•

Page 5 | Borehole TF05NW7/A | Borehole Logs

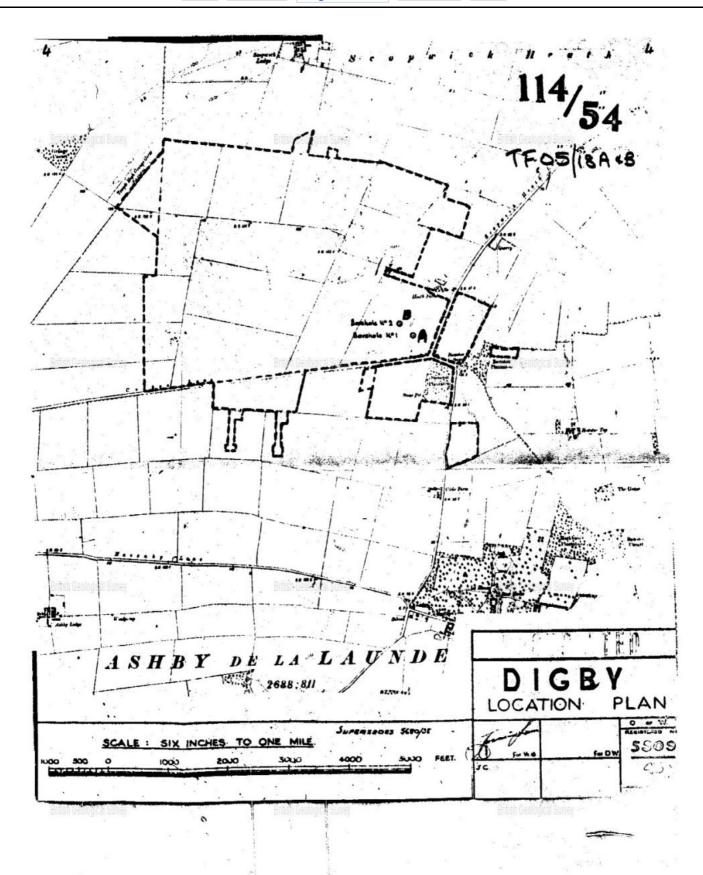
Version 2.0.6.6



<<

BGS ID: 469074 : BGS Reference: TF05NW7/A British National Grid (27700) : 504886,356649

< Prev Page 5 of 5 • Next > >>



. . . **\$** 

Page 1 | Borehole TF05NW44 | Borehole Logs

Version 2.0.6.6



BGS ID: 15611372 : BGS Reference: TF05NW44 British National Grid (27700) : 504900,356470

>>

<< < Prev Page 1 of 3 V Next >

lob N	um	her	F	5312						Si	te: I	RAF Digby - Phase 1				Bo	rehol	e No	.: 1		Sheet 1	
rilling	Meth	hod:	Rot	ary.						-		See Plan	Diameter	135mm	to 17.00m	Inst	rumen	tation	:		citted	S
orry Mou otary Dr	nted	Werth ng Rig.	Top Dr Boreh	ive 135mm C ole Reamed g Ground Wa	out to	1e 152m.				Cli	ent: s	epherd Construction	of hole:						_		564	
ater Lev	el at	6.801	.Stron	g Ground Wa	iter at	10.00m	8						Logged by:	EG	Lo	g Scal	e: 10 1	m/pag	e Gr	ound L	evel	m AOI
0.		A	India	Core I	Dotails			Ch	ange of	Strata		Hale Dealastical Contact			5	ummary	of Labo	oratory	Testing			
nte Cas 94 (m	oth E	Depth of Water	Run No.	Run Depth (m)	TCR	SCR RO	FI	Legend	Depth below GL (m)	Re- duced Level OD (m)	Thick- ness of Stratum (m)	Description of Strata			Sample Depth (T) (m)	NMC %	PLI Diam 2 MN/m	Diam 2 MN/m	PLI Axial MN/m	d Axial MN/m	Other Tests	and Note
/03	n)	(m)	-				-	17	0.20		0.20	Concrete		-	r i							
								語			1.30	Weathered brown LIMESTONE.			1							
									1.50		2.50	Hard light brown LIMESTONE.	1		+							
		9		-							-	-			1							
				-					4.00		3.00	Weak brown sandy LIMESTONE.			ł							
		-		-								Gel Cashalad Sumar			-							
OII	itsh:	¥6.80	gical	- Julisi					7.0	0	4.20	Call Openinning colles	m softer bands.		† .	British	05010	ical S				
		10.0										-			1							
icele la lhown	Sym TCR SCR RQD	Se Se	id Core	Recovery % Recovery % ty Designation				ampis ed Index nate uniaxial	compre	sive		Notes Geology: Lincolnshire Limestone	from 0.20m to 1	7.0m.							LINCS	LAB

Page 2 | Borehole TF05NW44 | Borehole Logs

Version 2.0.6.6



BGS ID: 15611372 : BGS Reference: TF05NW44 British National Grid (27700) : 504900,356470

>>

.

<< < Prev Page 2 of 3 
 Next >

Job Nu	mher		5312						Si	te: I	RAF Digby - Phase 1				Bo	rehol	e No	.: 1		Sheet 2	of 2
Drilling Me	ethod:	Rot	ATV.						-		See Plan	Diameter	135am 1	to 17.00m	Inst	rumen	tation	:			
orry Mounts otary Drill ater Level	ed Werth ling Rig	Top Dr Boreh	ive 135mm C ole Reamed	out t	ole o 152m	m.			Cli	ent: si	mepherd Construction	of hole:									
later Level	at 6.80	n.Stron	g Ground Wa	ter a	t 10.0	ion.						Logged by:	EG		g Scal				ound L	evel	m AO
Rrife	Gen	nicol	Core D	otails	_		Ct	ange o	Strate		itich Geological Sunay			-	Summary	Suring	in at he	1000			
ate Depth of Casing (m)	Depth of Water	Run No.	Run Depth (m)	TCR %	SCR %	ROD F	E Legend	Depth below GL (m)	Re- duced Level OD (m)	Thick- ness of Stratum (m)	Description of Strate			Sample Depth (T) (m)	NMC %	PLI Diam 2 MN/m	2	PLI Axial MN/m	σ Axial MN/m	Other Tests	and Note
	- account		-								Hard white LIMESTONE with occasional brow	n softer bands.		ļ							
								11.2		2.00	Hard grey LIMESTONE.			1							
							麗	13.2		-	-			ł							
			_							1.70	Grey CLAY.			-							
			-	111111111111				14.5	0	2.10	Hard grey LIMESTONE.			-							
Britis 19/03	di Geol	opical	Burvey					17.0	20	8	END OF BOREHOLE.				ailish	Geolog	j cai Si	urvey			
				minit							-			ł							
				manpara							-			ł							
As   T			Recovery % Recovery %	1	T		of Sample				Notes Geology : Lincolnshire Limestone	from 0.20m to 1	7.0n.	+	1			<u> </u>	F		LAB

Page 3 | Borehole TF05NW44 | Borehole Logs

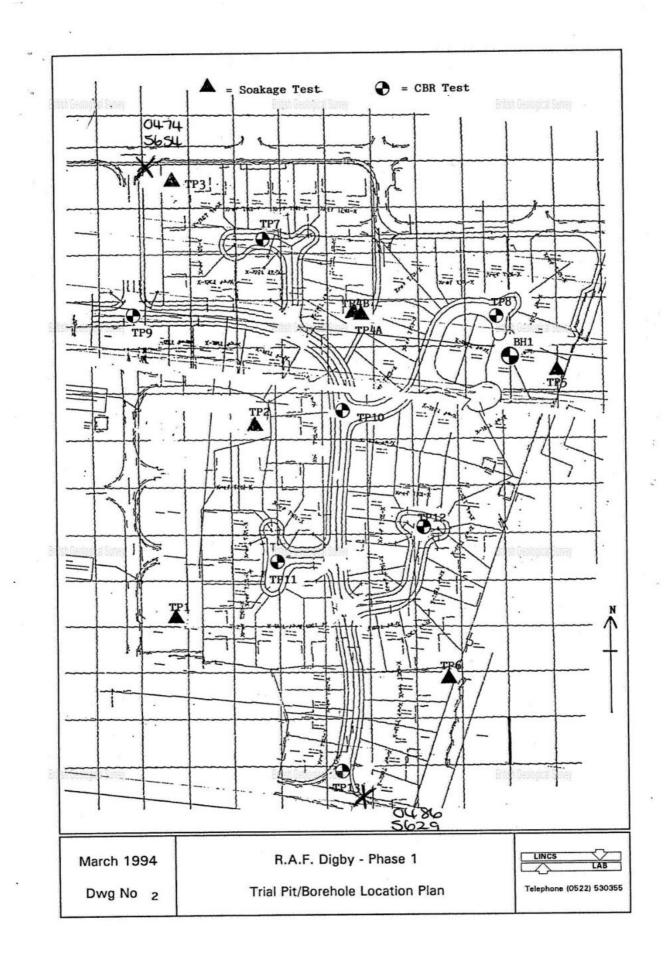
Version 2.0.6.6



<<

BGS ID: 15611372 : BGS Reference: TF05NW44 British National Grid (27700) : 504900,356470

< Prev Page 3 of 3 • Next > >>





## APPENDIX E7 BGS BOREHOLE LOGS – ZONE I

11/11/22, 3:34 PM Page 1 | Borehole TF05NE2 | Borehole Logs 3/11 1 RECORD OF WELL (SHAFT OR BOR 06225799 22 . 1 Pilot borchole sunk by Messrs. Hamblett & Son for Messrs. British Crop Driero Ltd. at Scopwick, Jury 1943. Ground level 60.83 O.D. map, or a ske ap if possible. Lines 871 Soil & stones ... 1-6 Soil etc. ŝ SAGK RH 103 Sand & gravel ..... 3-6 1.52 5-0 tuber Line( Fith 6 Soft limestone 376 13-0 >4918-0 Hard limestone 3.8112-6 93030-6 Very hard # 0 11 3-0 10 21 33-6 Black clay 991 3-0 ... 336-6 0.41 2-0 1. 73 38-6 Limestone Grey clay 0.61 2-0 123440-6 Dimestone grey 15-24 50-0 27.5890-6 " yellow "light grey punc. Blue sandstone 2.74 9-0 36.33 99 Northamph C c3 fairly hard Sands and hours Lowu Estuarine days an 3-03,24102-6 Limestone g.p.h.) Black olay 3.05 10-074 7112-6 Upper hias above Water rest level in bore 8 feet below ground J well-top. below level 25.7.43. (Sunday) + 1 above Centrifugal pump test gave 5,000 galls per below hour measured over Wynotch. above Impossible to measure loss of head owing to below suction pipe filling bore tube. Level of subspil water between bore tube \_hours per day. and working tube 12 fect below ground level. mins. This love supplies nest of the water used at the Bates Brop triers "Lactory **British Geologic II Survey** Coginus (min ) that as to Atland 25. 4. +8 S. 36 4. 1.4. no he au to 8 Not s/day. st f la 1. 2. LOG OF STRATA OVERLEAF. 27. 41.48 G.S.M. Office 1" N.S. Map Date 1" O.S. Map Site marked (use symbol) received. File No. GEOLOGICAL SURVEY AND MUSEUM. on 6" Map. No. No. on 1" Map. SOUTH KENSINGTON. Ŀ 0 LONDON, S.W.7. (17208) Wt.42901/0877 10,000 2/41 A.& E.W.Ltd. Gp.686

23

3GS

British

Survey

Geological

<<

Page 2 | Borehole TF05NE3 | Borehole Logs

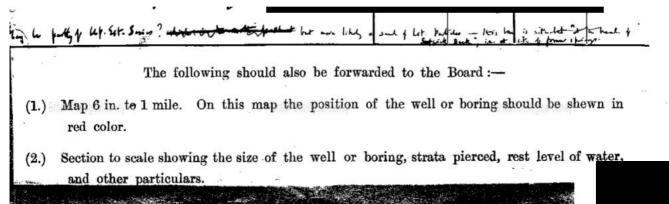
Version 2.0.6.6

BGS ID: 469005 : BGS Reference: TF05NE3 British National Grid (27700) : 506381,357874

< Prev Page 2 of 16 V Next > >>

the strata pierced should be given as follows :---W.B. Musen's 1924 printed ration :- angled Sune Thickness of each Total dep stratum. the st ···· . 51.5 (0.0) minin 48 (0.0) Inches. Feet. Feet. , 3000 9-1. he capacity, 31,000 1 135.5 1 0.0 - Ha 150,000 g. 4 1.22 1.22 4 Sando (§ 16 12 3.66 4.88 k 24 7.32 40 Ić. 12:19 Is c. Lit 24.38 Elus Limes 12.19 80 40 100' 35.36 116 36 10 77 and Blue & -61 50 3658 1.22 120 4 Static level of water in Borchole was taken the The Conditions avou the -014 in level 0 longing averagis Jhe ound dis rch 10 : ab A one To 28 -074 00 Section The Que a b d 4 W means a cylinder, and there is kou borchole the Gi.B.M samp twee 5' dim Jeby 25 *igu* 

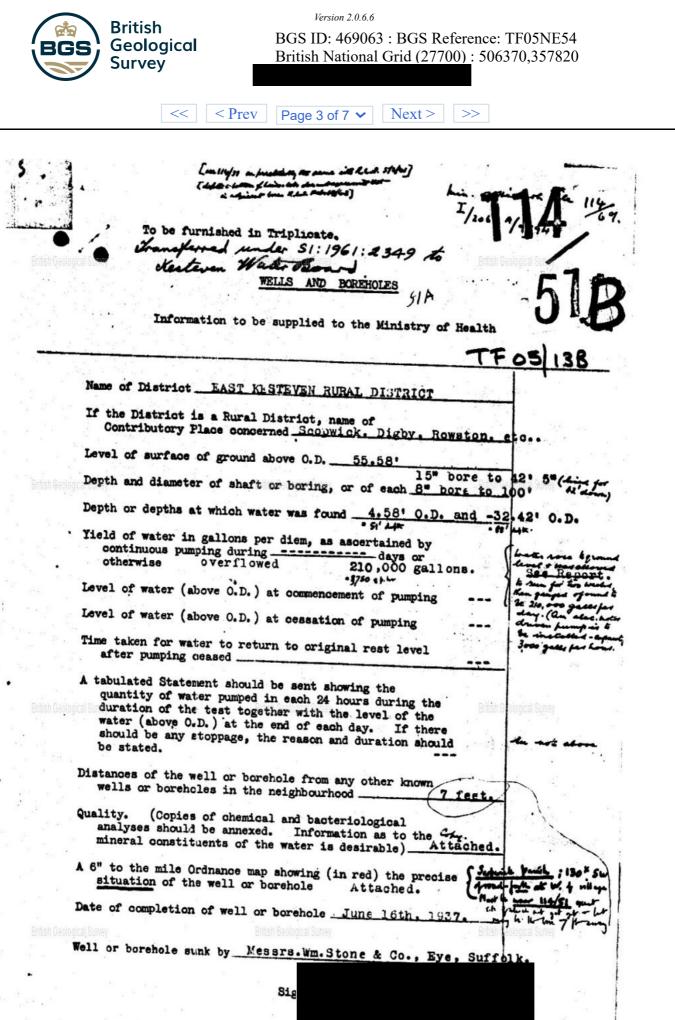
scans.bgs.ac.uk/sobi\_scans/boreholes/469005/images/10813331.html



Page 1 | Borehole TF05NE4 | Borehole Logs

Town or Village	Myster &			Constant and a state	Si	x-me.	barter si	neet 7	ŚW
Exact site Real	14	1/2 _1_		6 1560 g6 ¥ 1	EA ALL	4 1.	-) (	rough sk	etch-m
- Launa chang		n	parish of	RAIRA			J map	is very o	desirat
Level of ground sur									
Shaftft., d							s.; at bo	ttom	
	ir mmig rubes	(uncernan o	nameters preferi	eu)					
Water struck at de	oths of (feet)							-	
Rest-level of water	below top of	well 4	4 feet.	Suction at	feet.	Yield	on	ho	urs' t
gallons p									
				normally pumpe		- S - S	1 1 1 1 1 mar 1	2.8	
Quality (attach cop				normany pump	a ualy	~~			
Sunk by		,				e o	f well	2.4	9
Informatio						- Colored	e filter of Serie		
GROLOGICAL	-	N	ATURE OF STR	ATA		THIC	KNESS	, DE	PTH
CLASSIFICATION.			any additional re			Feet.	Inches.	Feet.	Inche
Sil inpositionation	growiscont.	0			22.1		1	· ·	
(		fands			1.37	1	1		4
U			<u>, τος ε</u>		0.30	T		7	2.
Goodete 2			,		1.22	4	Ki-	h h	3.7
Limbanc			-	D	615				2
17 60 100		stane			2.74	. 1	A CONTRACTOR	Contemport	1
f f			tans	laga ayadadi dan kiladi ya Milaji ka k		1	-6	Max in the annual sectors	
Upcotions	13 hrs	elay	blue sta	e RUN	0.30 1.52			- 25	803
Bels	Rent	K Cla	st	· KLY	0,61			2	3
10 10 10 10 10 10 10 10 10 10 10 10 10 1	Blue	ston	<u>.</u>						10.7
State L	Bhie	clay	(	5 <u>,</u>	0.30	1	1		
	Very 1	hard.	phie sto	<b>u</b> g	11. 84	39	Succession and	74	50
	Bran	Sand	stores	12	1-2000	32		80	541
1 L	Harl ,	plue	prove	- Ani	975	3%	at the state	<u>nz</u> .	
	10 1 1 W					N	5 X		
	5 F.			0		. U			
	2			Conne	us .				1.3
·			74	Conne POUE D	WI RLD	the .	H-p-r	حممة	s mind
6:71 Kac	k cian s.	ast.	2349	. Ky		d cut t	<u>4 512</u> ,	netro d	õum.
11.28 CUA	1 Stone		RLD				-		
34.14 5701	u-	. 80	tish Geologic <u>1</u> 2, mey			<u>Oshbh (</u>	pological Si		
							-	1	
· · · ·							8		
						. ]			
· ·						· *	14.5	C ALL	
					0	<u> </u>	- Maria	1.12	
								1.1	4 92
			· · · · · · · · · · · · · · · · · · ·	·····		in the second	<u>.</u>		
		<b></b>	- Alexander	1.4				6 12	Sel.

Page 3 | Borehole TF05NE54 | Borehole Logs



12th July, 1937.

Date

.

Normally the pumping test should be continuous over a period of 14 days. This form should be signed by the Engineer for the proposed works.

Eritish Geolo K. 20 a

## P. T. O.

B.P.H. 41768-2-1000-AF

Page 1 | Borehole TF05NE5 | Borehole Logs

Version 2.0.6.6



<<

BGS ID: 469007 : BGS Reference: TF05NE5 British National Grid (27700) : 506848,356681

 Page 1 | Borehole TF05NE5 | Borehole Logs

	RECORD OF WI	ell (SHA	1 - 55 - 1		-	9						
	At Million S	2000 IS 10 1000000	2	Т			Ε/3					
		il n	volên			4/~						
	Town or Village	and a second		in the	Drillink	Charles and Carl	Λ					
	County			SWE	OTTICATION	oeulogical ourver						
	For Mr.			an a								
	Exact site of well	a yaya ya anifa a ya anifa ya				Attach a tra a map, or map, if po	a sketch					
	Level of ground surface above	sea-level (O.D.)	78feet.			. (						
	Is well-top at ground level ?	If not, s	tate how far abo	ove ; ow ;	feet.							
	Shaftft., diameter	ft. Details	of headings	an a	<b>1) 10</b> 00 - 10000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 100	ere also de la classica d'ella el periodad	an tra ang arang ang ang ang ang ang ang ang ang ang					
	Boreft.; diameter of	bore: at top	ins.: at bo	ttomi	ns.	an amana antara dan gamar na a bahadan						
	Lengths, diameters, perforation				1	Charles .	- [Le40					
	Longera, dianeters, periotatis	Entish Geological St	Ney		British	Geological Survey						
	Water struck at depths, below	w well-top of (fee	<b>at</b> )									
14.	Water struck at depuis, beio	" weartop, or (io										
	TEST DI		- hotto	Suction at.	ft.	Yield on	hours					
	Month .						days g.p.h.					
	Sanadara ang ang ang ang ang ang ang ang ang an		S. S. M.	Service	n. 11	is.						
	Year_ 12 0 (16 / )	Ting		Part Part		urs.						
	11.28 1911			and the second	$\sigma^{1}$	above						
	11.04 1114-		12			it. below	vell-top.					
			i- i-			.ft. above below	**					
	WORI					above						
	CONE					_ft. below	"					
						hours	per day.					
						mins. hours						
	Quality of water tanan very											
	J.T. BARNES of SUM											
	Well made by		and the second	r	Da	te of well						
	Information from	SLEAF	ORD-			elle strategy and a s						
		.d	Prional NO									
		ALA	ANTONAL NO	165.								
	12.			20								
	Misite &	ted on Lines.	PMC									
	I manea. ru		DOWE.									
	Supplies for was testar I	om. Plentifi 6 400 gph us				Geological Survey						
	Supplies for was testar I											
	Supplies for was testar I											
	Supplies for was testar I			LO	4		RLEAF.					
	Supplies for was testar & OD.C.78.	van. Plentifi 10 400 gph was Dale	l Supply . len sunk . G.S.M. Office 1"	N.S. Map   1" O	4 ; G OF S:	7.51 RM , TRATA OVE Site marked (u	se symbol)					
	Supplies for was testar I	van. Plentifi 10 400 gph was Dale	G.S.M. Office 1" File No.	N.S. Map   1" O	4 ; G OF 5:	7.51 Am , TRATA OVE	se symbol)					

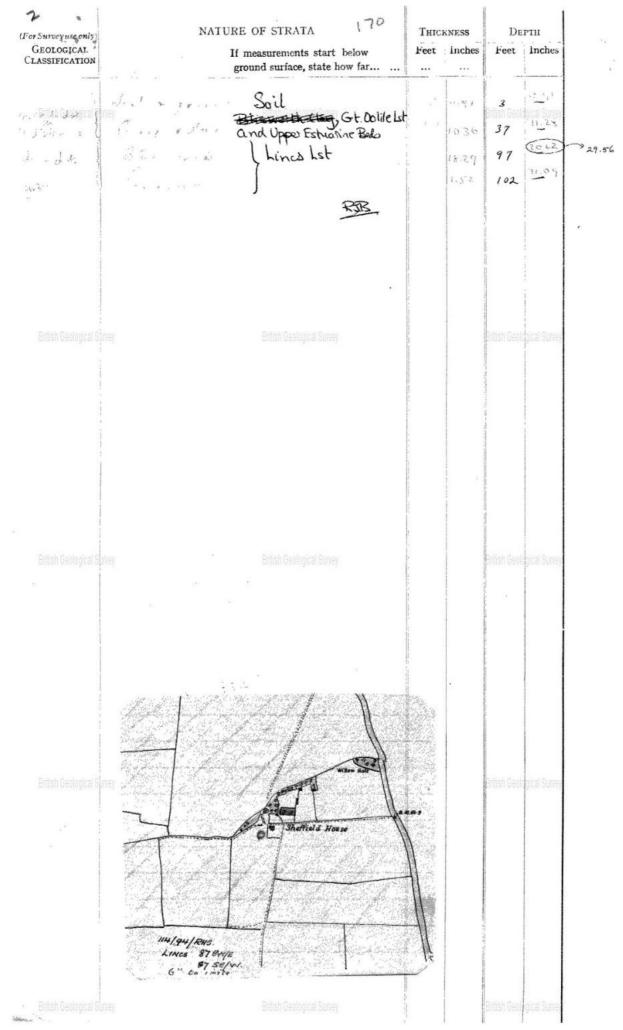
Page 2 | Borehole TF05NE5 | Borehole Logs

Version 2.0.6.6



<<

< Prev Page 2 of 5 🗸 Next > >>



23

British

Survey

Page 3 | Borehole TF05NE5 | Borehole Logs



	effield	Ams			11/	Y
Town or V	illage Ac	and the second se	the second s		114/	
		/	quarter sheet_8	RASULE	British Geokarda Scien	ЛA
For Mr.	-1				FORL	74
Exact site	of well 7	FOSNE	0680 566	9	FUSIZ	
	· · · · ·				Attach at a map, o map, if p	or a sket
Level of gr	ound surface abo	ove sea-level (C	D.D.) C 78.	eet.	——— ( шар, п ј	ossible.
S			not, state how far		6	-
1. C					1001.	
Shaft	ft., diameter_	ft. D	etails of headings_			
Para	· · ·			· · · · · · · · · · · · · · · · · · ·		
Lengths di	ft. ; diameter	of bore : at to	pins.; at	bottomin		
al Suney	ameters, periorat	tions, etc., of 1	ining tubes	cupes a	to blue to	chlie
Water stru	k at depths be	low well ton	of (feet)			7
	- at deptus, be	tow wen-top,	of (feet)			
TEST DETAI	Rest-level o	of water	ft above well to	- Custing at	ft. Yield on	bou
Month	pumping.		below well-to	p. Suction at		day
Year	with depress	6	_feet. Recovery	(max. capacity	of pump	
	- ( with depress	sion or	_leet. Recovery	toin	hours.	
	(Rest-level of wa	ater in	(month)			
					it. above below	rell-top.
Wannung	Highest "	in	(month),	(year),	ft. above	
WORKING	Lowest "	in	(month),	(year),	ft. above	e di s
CONDITIONS		ft. Rate of	pumping	galls, per		
CONDITIONS	Suction at					per day,
CONDITIONS	Suction at		the December			
al oure)	with average de	pression of		ry toin	mins. hours	
cal surrey	with average de	pression of	available)			
Quality of v	with average de ater (atlach copy J.	pression of of analysis if T. BA	available) RNEs &		hours	+ 193
cal surrey	with average de rater (atlack copy yJ	pression of of analysis if T. BA	available)			J- 193
Quality of w Well made b	with average de rater (atlack copy yJ	of analysis if T. BA SLEA	available) RNEs &	son,	hours	+ 193
Quality of w Well made b Information	with average de ater (atlach copy yJ	of analysis if T. BA SLEA	available) RNEs &	son,	hours	+ 193
Quality of w Well made b Information	with average de ater (atlach copy yJ from ntay of w	of analysis if T. BA SLEA	AVAILABLES &	son,	hours	+ 193
Quality of w Well made b Information	with average de rater (atlach copy yJ from ntay of w Naigan S	of analysis if T. BA SLEA	AVAILABLES &	son,	hours	LF 193
Quality of w Well made b Information	with average de ater (atlach copy y	of analysis if T. BA <u>SLEA</u> ates. Case on Lon Bounder.	AVAILABLES & RNES & FORD-	son,	hours	1 198
Quality of w Well made b Information Pla al Surg	with average de ater (atlach copy 	of analysis if T. BA SIJEA ates. Casa Lo Baumber.	AVAILABLES &	son,	hours	193

Windpump on 1" popular 1963. & 6"grid deet.

.....

11/23/22, 11:56 AM			Page 3   Bore	hole TF05NE	5   Borehole	Logs	
				ų		STRATA O	VERLEAF.
	GEOLOGICAL SURVEY AND MUSEUM, SOUTH KENSINGTON, LONDON, S.W.7.	Date received,	G.S.M. Office File No.	1" N.S. Map No. 114.	-		(nee evenholt)
British Ger	(17998) WL 42001/0877 10,000 2/41 4.0	LW.LM. Gp.				Ritish Genladita	Burrey

Page 4 | Borehole TF05NE5 | Borehole Logs

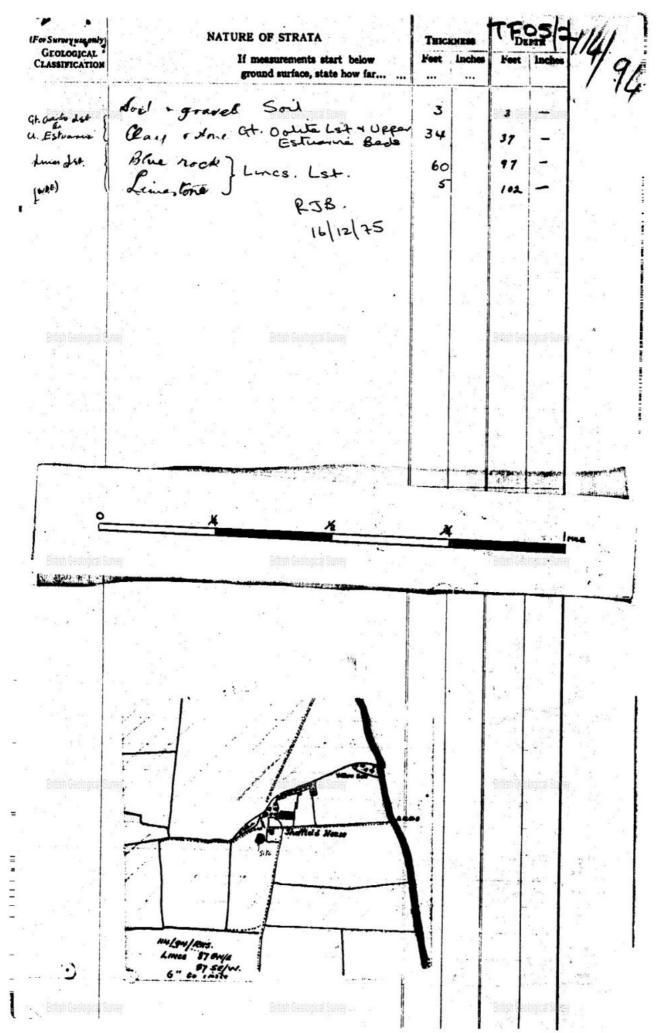
Version 2.0.6.6



<<

BGS ID: 469007 : BGS Reference: TF05NE5 British National Grid (27700) : 506848,356681

< Prev Page 4 of 5 
Next >>>



Page 5 | Borehole TF05NE5 | Borehole Logs

Version 2.0.6.6



BGS ID: 469007 : BGS Reference: TF05NE5 British National Grid (27700) : 506848,356681

>>

<< Prev Page 5 of 5 • Next >

•							
				Geology Divis		1	
Reference Nu	mber G.S.M	114/90	+			25/20	•••••
itish Geological Survey		British Geolog	a (ta ba a	opied in the	Bamo unite		mine1
Chemical ana	LYSIS OI WA	ter sampi	documer	it)			STUGT
Source of sa	mple	SHEFF	ELP	Hense			
N.G.R				Date Collecte	a!5/	11/68.	
Aquifer	LINCE	XNSHI1		ESTONE			
Analyst				Analyst's ref			
			1				
Appearance .						•••••	
E. cond. at				Turbidity (si	lica scale		•••••
Reaction pH				Colour (hazen			
S.G. at				Odour			
Temperature	°c /	°F	pical Survey	Taste	British Geol		•••••
							(n)
Constituents				nalysis to be			
i de de l	Units	3:	mg/1				mg/1
T.D.S. (dried at	180°C)		2.00	Nitrogen in n			
Hardness, Total*			410	Nitrogen in n			•••••
Carbona		•••••	•••••	Free ammonia		•••••	•••••
	bonate*	•••••		Albuminoid am		•••••	•••••
Alkalinity*		•••••	240	Oxygen absorb	-		
Chlorine in chlor	rides		55	4 hours at		•••••	•••••
Free carbon dioxi	ide			Residual chlo	rine	•••••	
Silica		• • • • • • • • • • • • •				•••••	•••••
Fluoride						•••••	
Metals		•••••	••••• *	expressed as a	alcium ca	rbonate	
			10 m	9 - 10	Per	centage	
	Units	·	mg/1	me/1	reacting	oquiva]	ents
Calcium	(Ca)		• ••••			•••••	
Magnesium	(Mg)			•••••	1 de 19	•••••	
Sodium	(Na)	•••••					
Potassium	(K)			•••••			
				· · ·			
			(D -				
			То	tal			
isi Geologic Carbonate	(co <sub>3</sub> )		To jical Surre,	•••••			
Carbonate	(HCO3)7		gical Survey	••••• •••••		•••••	
and the second sec	(HCO3)7		111 Sure 	•···• •···•	British Geol	•••••	
Bicarbonate		. 919 of Sector	gical Survey	•···• •···•	British Geol	••••• •••••	
<u>/Bicarbonate</u> Sulphate	(HCO3)7 (SO4)	. Stitu Serie;	111 Sure 	•···• •···•	British Geol	••••• ••••• •••••	

Remarks: (continue overleaf if necessary)



DR 44378/1/89 2m 3/66 XL

Page 1 | Borehole TF05NE15 | Borehole Logs

Version 2.0.6.6



BGS ID: 469024 : BGS Reference: TF05NE15 British National Grid (27700) : 507190,358530

<< < Prev Page 1 of 2 < Next > >>

RECORD Survey No. 1' N.S. 114-1At Lincoluction Limetime, 9 miles. 4 Lincoln 1' 0.5 Acres 15 ....County Lince Six-inch map . Town, Village, &c Exact site unless a tracing from a map is ( Deren to grile well by 6. 1. 1. popular Edition Sheet church, eries roads, or other object shown on maps). (in Francian ) his wet is a 1" such . one-inch map. (Square Surface level of ground\_\_\_\_\_\_ft. above Ordnance Datum. Well or Bore commenced at\_\_\_\_\_\_ft. below surface level of ground\_\_\_\_\_\_ Bored\_\_\_\_\_ft.; diameter of boring; at top 6 in., at bottom 6 in. Sunk\_\_\_\_\_ft., diameter\_\_\_\_\_ ......ft, Details of lining tubes (internal diameters preferred) . All lithom was hilled to be captoring for the science what I geptycised swray Water struck at depths of (feet) ..... Rest-level of water below top of well or bore\_\_\_\_\_ft. Pumping level\_\_\_\_\_ft. Time of recovery\_\_\_\_ iours. Suction at \_\_\_\_\_\_ft. depth. Yield: (i) on test\_\_\_\_\_\_, (ii) normal\_\_\_\_\_, (ii) normal\_\_\_\_\_, Quality Date of boring Nr. Ale. 1. 5. Made by Informat (For Survey use only). , THICKNESS. DEPTH .... TF 05 NE/14 +15 24 + 25 Records App and provind. No. 24 cm 64 c & Scepich church , - just N. NE Neverby Road. No. 25 -N & E & Scepich church and 26 choice E & Har Blankney 64 4 26 0 ing to Navanhy + Lincoln TFOS NE/16 No. 26 . Scoperink parish; on the hunders, 78 chains ENE VS Weich church and dont q chain W.S.W J'Schwick Loca Fm. [ Losep Abra 23]. O.D. [jet Can so' until ] say Aq'. er Schwick Mitin Mall 60.2 Sort rother 3 90.53 52 inathe 42.06 I mild day 8 92.67 316 45 14.63 I say day 60 18:24 "Bu is a Contrat with figed . with . . ont 4+ ? When is Of MARTIN PARISH BORE NO. 27 TF 09541 58809 1TF05NE17 TFOSNE 17 No. 27. Mastin paril, on the Timber And branking . 8 day E Mts ratur and 37 chain N- 4 E 4 bridge (or land comming ?) it Seeper O.D. "just betwee 25' canton ) say 24'. Restant - Tund ick statin 3 4 0 Top soil Mottled clay Geological Survey Bluessandy day 40 219 3911-29 18:21 20 any when B. Chang. [If To] Che. is here -36"[e here], on in No. 26 - ging he of 93' for 3/4 - 20 - 112 /1-1

22

British

Survey

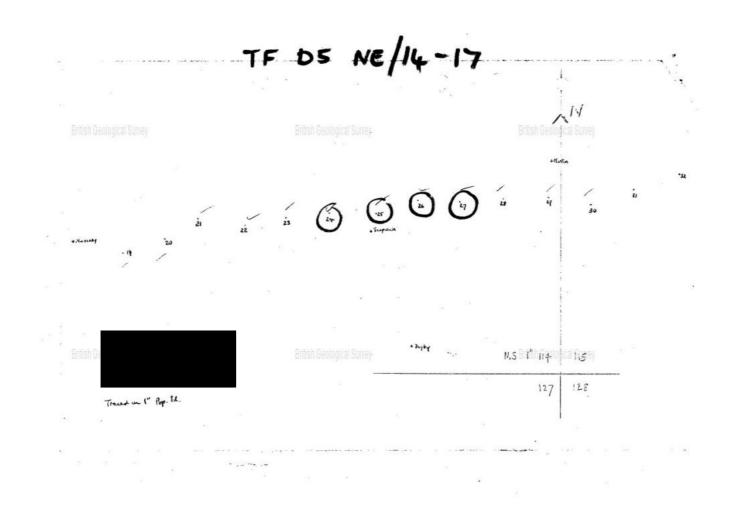
Geological

Page 2 | Borehole TF05NE15 | Borehole Logs

Version 2.0.6.6



<< < Prev Page 2 of 2 • Next > >>



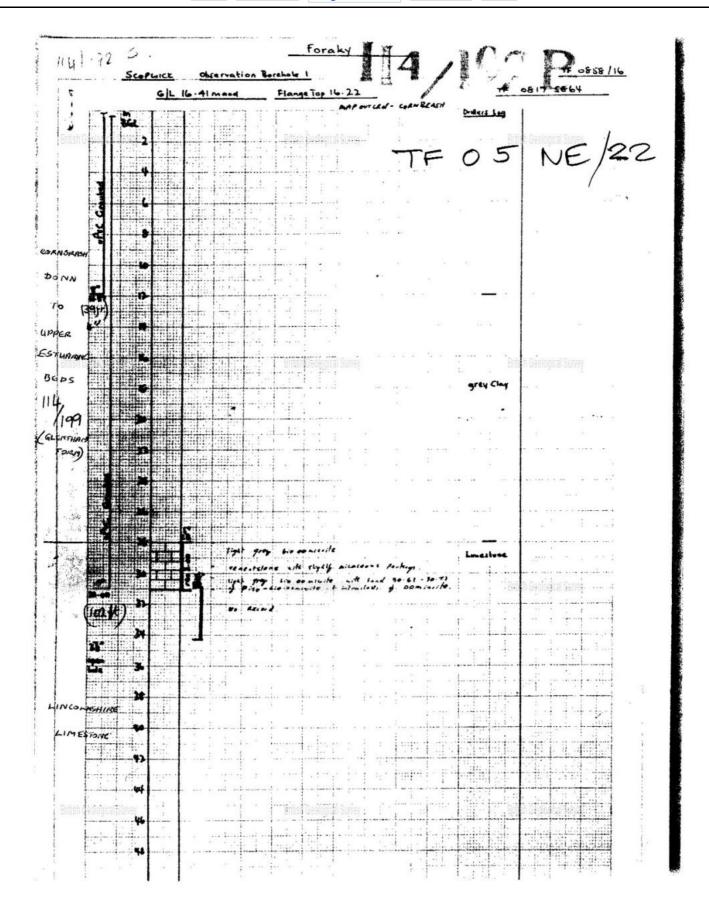
Page 1 | Borehole TF05NE22 | Borehole Logs

Version 2.0.6.6



BGS ID: 469031 : BGS Reference: TF05NE22 British National Grid (27700) : 508170,358640

<< < Prev Page 1 of 6 
 Next > >>



Page 2 | Borehole TF05NE22 | Borehole Logs

Version 2.0.6.6



<<

BGS ID: 469031 : BGS Reference: TF05NE22 British National Grid (27700) : 508170,358640

>>

< Prev Page 2 of 6 • Next >

. 2	Scoperce	Obs . Nº 1	114/102	B TF OFSE/16
•			1/11-	B TFOSNE/20
LINSS.	i Sulley <b>S</b>		British Geological Survey	British Geological Survey
LST.	54			betten Lat
MAHTHAM			) 	
NOISTHANTS COLEBY M		· · · · · ·		
59.2		-		
1191.		Drilled	4 FORALY 4/5/76 -14/5	11976
Y.A.			core at Appleby care stor	a. Lapped P.F.C. 9/ 8/19.
GD				a a a a a a a a a a a a a a a a a a a
	-79	<b>I</b>	British Geological Survey	British Geological Survey
		<u> </u>		
18	<u>tristicie</u>			•   •   • • • • • • • • • • • • • • • •
в				
			···· ·	
···· 1				ang na ing tang tang tang tang tang tang tang ta
ELL C LIVEL		+		- I - I - Difficie Perdanizat Orano
itali o siogica			Duran beniçiyen anıyey	Dillisti Ocunigirali Ourroi
	*			
		<u> </u>		
			:	
<u></u>				
			h h i d i en	
nsn Géológica i	SUNCE		Lientish Geologisəl Survey.	Renet Represental Association of the second se

Page 3 | Borehole TF05NE22 | Borehole Logs

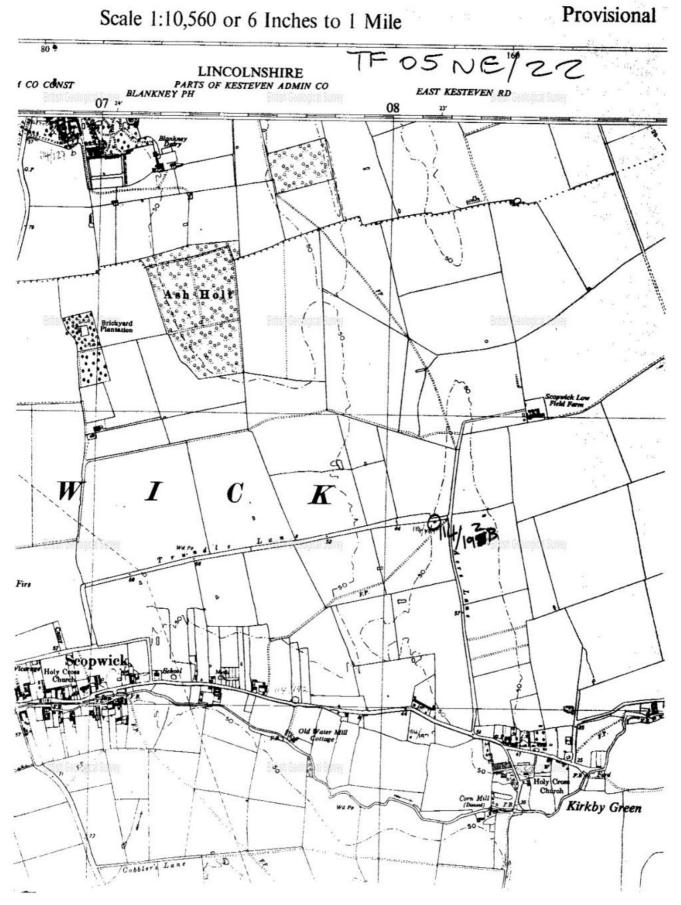
Version 2.0.6.6



<<

< Prev Page 3 of 6 🗸 Next > >> Page 3 | Borehole TF05NE22 | Borehole Logs

L DURALI



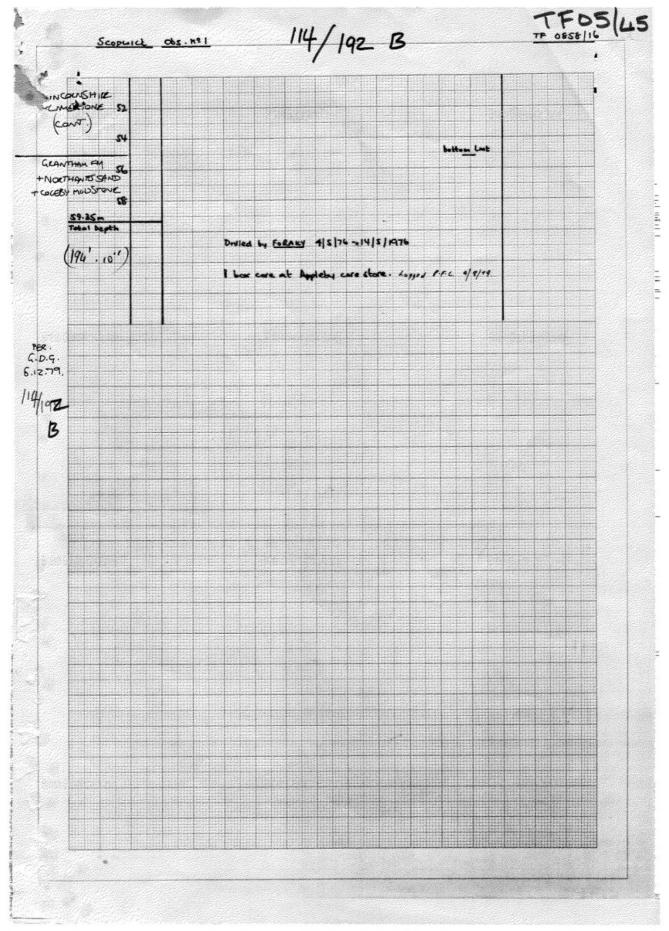
Page 5 | Borehole TF05NE22 | Borehole Logs

Version 2.0.6.6



<<

< Prev Page 5 of 6 🗸 Next > >>



Page 6 | Borehole TF05NE22 | Borehole Logs

Version 2.0.6.6



<<

BGS ID: 469031 : BGS Reference: TF05NE22 British National Grid (27700) : 508170,358640

< Prev Page 6 of 6 </p>

 Next >

Page 6 | Borehole TF05NE22 | Borehole Logs





## APPENDIX E8 BGS BOREHOLE LOGS – ZONE J

Springwell Solar Farm Limited Preliminary Risk Assessment: Springwell Solar Farm 1922604 R01 (00) Page 1 | Borehole TF05NE17 | Borehole Logs

Version 2.0.6.6



BGS ID: 469026 : BGS Reference: TF05NE17 British National Grid (27700) : 509541,358809

<< < Prev Page 1 of 2 V Next > >>

RECORD Survey No. 1' N.S. 114-1/15 Linchestia Limetine, 9 miles of Linch. 1' 0.5. Acres 15 County Lince Six-inch map . Town, Village, &c Exact site unless a tracing from a map is ( Deren to grile well by 6. 1. 1. popular Edition Sheet supplied, give distance and direction from parish (sue France, ) thing und it is 1" toole . of one-inch map. (Square Surface level of ground\_\_\_\_\_\_ft. above Ordnance Datum. Well or Bore commenced at\_\_\_\_\_\_ft. below surface level of ground\_\_\_\_\_\_ Bored\_\_\_\_\_ft.; diameter of boring; at top 6 in., at bottom 6 in. Sunk\_\_\_\_\_ft., diameter\_\_\_\_\_ Details of lining tubes (internal diameters preferred) . All lithom was hilled to bed uplains for the science what & getypiced sway Water struck at depths of (feet) ..... Rest-level of water below top of well or bore\_\_\_\_\_ft. Pumping level\_\_\_\_\_ft. Time of recovery\_\_\_\_\_ iours. Suction at \_\_\_\_\_\_ft. depth. Yield: (i) on test \_\_\_\_\_\_ galls. per\_\_\_\_\_, (ii) normal Quality Date of boring Nr. Ale. 1. 5. Made by Informat (For Survey use only). , THICKNESS. DEPTH .... TF 05 NE/14 +15 24 + 25 Records App at provind. No. 24 an 64 a & Sequid church, - just N. NE Neverby Rold. No. 25 -N by E V Sequid church and 26 choice E & Har Blankney No. 24 + 25 64 4 26 in to Naverly + Lincoln TFOS NE/16 No. 26 . Scoperink parish; on the hundrens, 78 chains ENE VS Waich church and dont q chain W.S.W J'Schwick Lee Fm. [ Lodge Abra 23]. O.D. [jet Chen 50' untro ] say Aq'. er Schwick Mitin Mall 60.2 Sort mother 3 90.53 - Iner Fre British Geological Survey 52 42.06 I are day 8 92.67 316 45 14.63 I say day 60 18:24 "Bu is a Contrat coop for and . ? Um is off- onit 44 MARTIN PARISH BORE NO. 27 TF 09541 58809 1TF05NE17 TFOSNE 17 No. 27. Mastin paril, on the Timber And branking . 8 day E Mts ratur and 37 chain N. & E & bridge (or land coming ?) it Scopick station O.D. (just here 25' canta) say 24'. Restratt-land 3 for home 0 Top soil Mottled clay Geological Survey Bluessandy day 40 219 3911-29 18:21 20 ing ale B. Clay. [If To] Chr. is here -36"[e han], "0-D in No 26 - ging Ly 1/ 83' for 3/4 - 2 - 112 /1-1.

22

British

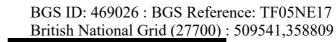
Survey

Geological

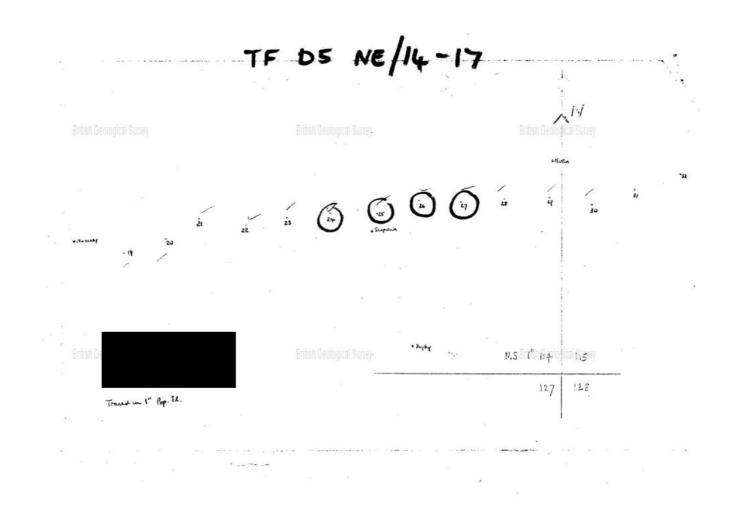
<<

Page 2 | Borehole TF05NE17 | Borehole Logs

Version 2.0.6.6



< Prev Page 2 of 2  $\checkmark$  Next > >>



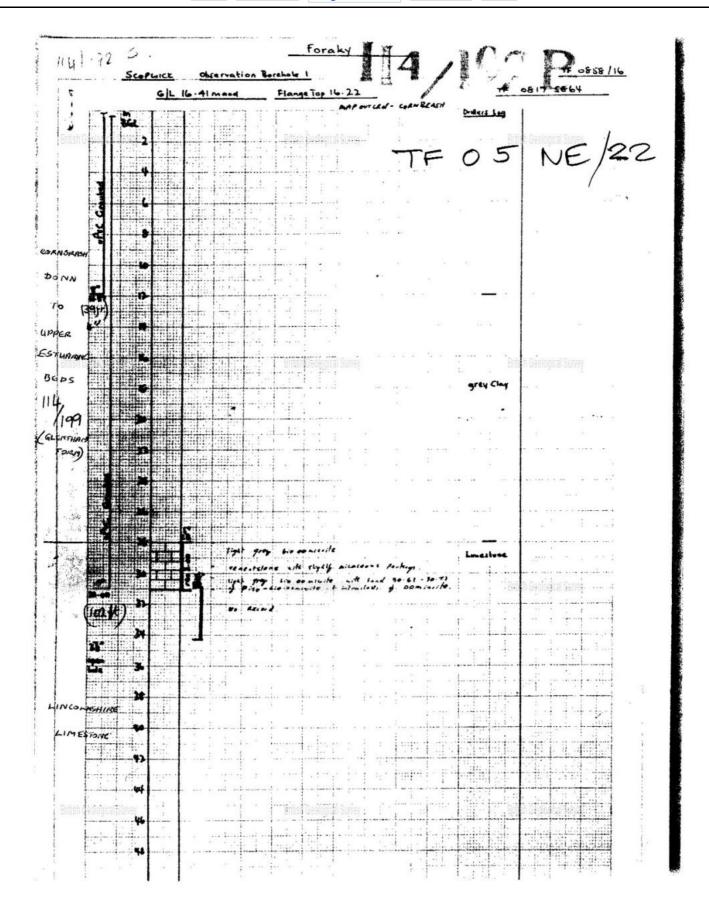
Page 1 | Borehole TF05NE22 | Borehole Logs

Version 2.0.6.6



BGS ID: 469031 : BGS Reference: TF05NE22 British National Grid (27700) : 508170,358640

<< < Prev Page 1 of 6 
 Next > >>



Page 2 | Borehole TF05NE22 | Borehole Logs

Version 2.0.6.6



<<

BGS ID: 469031 : BGS Reference: TF05NE22 British National Grid (27700) : 508170,358640

>>

< Prev Page 2 of 6 • Next >

. 2	Scoperce	Obs . Nº 1	114/102	B TF OFSE/16
•			1/11-	B TFOSNE/20
LINSS.	i Sulley <b>S</b>		British Geological Survey	British Geological Survey
LST.	54			betten Lat
MAHTHAM			) 	
NOISTHANTS COLEBY M		· · · · · ·		
59.2		-		
1191.		Drilled	4 FORALY 4/5/76 -14/5	11976
Y.A.			core at Appleby care stor	a. Lapped P.F.C. 9/ 8/19.
GD				a a a a a a a a a a a a a a a a a a a
	-79	<b>I</b>	British Geological Survey	British Geological Survey
		<u> </u>		
18	<u>tristicie</u>			•   •   • • • • • • • • • • • • • • • •
в				
			···· ·	
···· 1				ang na ing tang tang tang tang tang tang tang ta
ELL C LIVEL		+		- I - I - Difficie Perdanizat Orano
itali o siogica			Duran beniçiyen anıyey	Dillisti Ocunigirali Ourroi
	*			
		<u> </u>		
			:	
<u></u>				
			h h i d i d i d	
nsn Géológica i	SUNCE		Lientish Geologisəl Survey.	Renet Represental Association of the second se

Page 3 | Borehole TF05NE22 | Borehole Logs

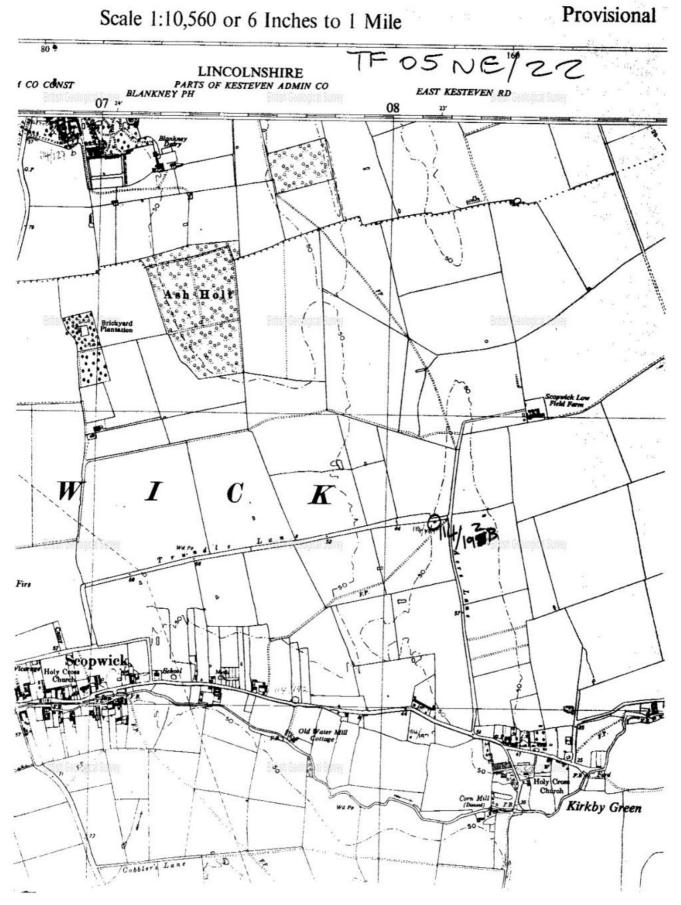
Version 2.0.6.6



<<

< Prev Page 3 of 6 🗸 Next > >> Page 3 | Borehole TF05NE22 | Borehole Logs

L DURALI



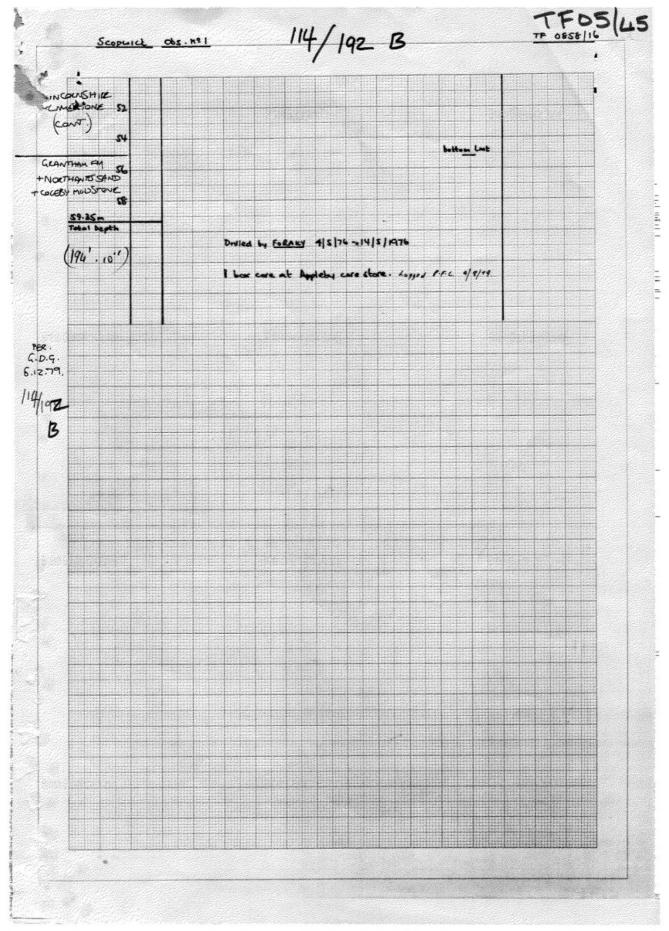
Page 5 | Borehole TF05NE22 | Borehole Logs

Version 2.0.6.6



<<

< Prev Page 5 of 6 🗸 Next > >>



Page 6 | Borehole TF05NE22 | Borehole Logs

Version 2.0.6.6



<<

BGS ID: 469031 : BGS Reference: TF05NE22 British National Grid (27700) : 508170,358640

< Prev Page 6 of 6 </p>

 Next >

Page 6 | Borehole TF05NE22 | Borehole Logs



Page 1 | Borehole TF05NE24 | Borehole Logs

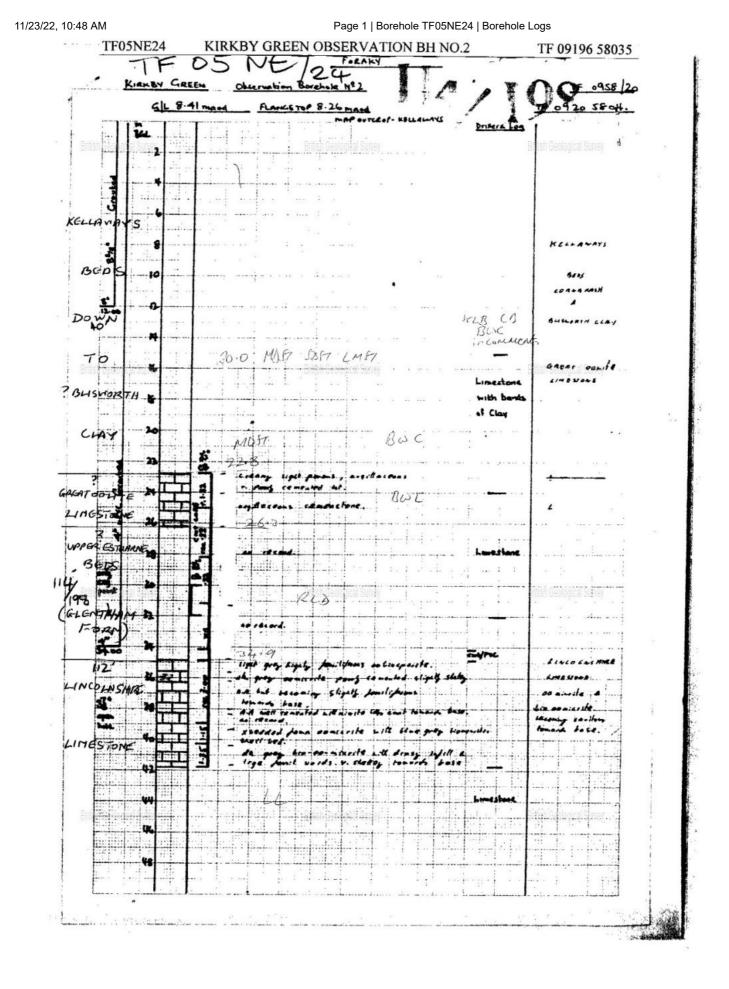
Version 2.0.6.6



<<

BGS ID: 469033 : BGS Reference: TF05NE24 British National Grid (27700): 509196,358035

< Prev Page 1 of 6 🗸 Next > >>



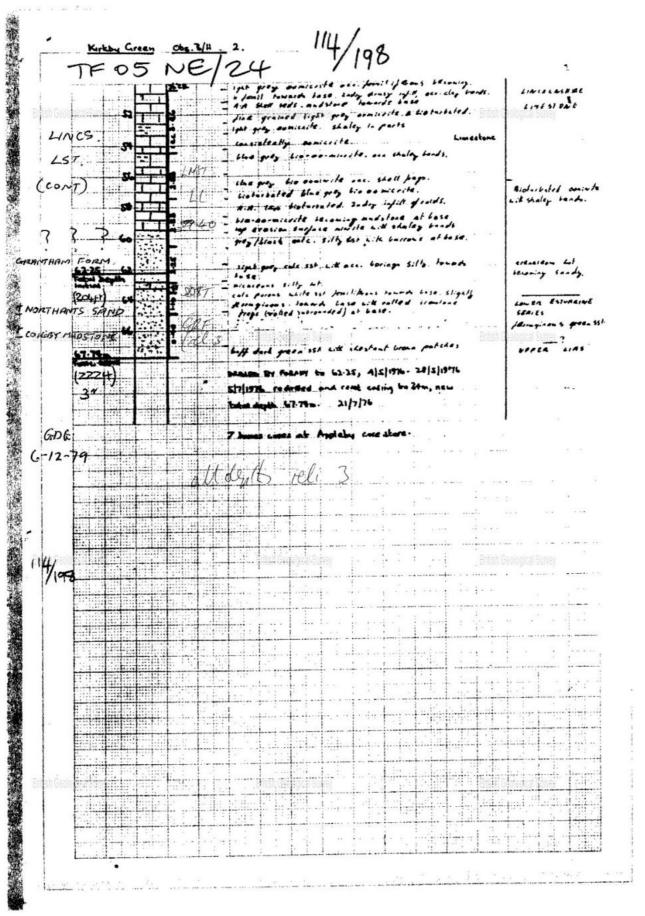
Page 2 | Borehole TF05NE24 | Borehole Logs

Version 2.0.6.6



<<

< Prev Page 2 of 6 🗸 Next > >>



Page 3 | Borehole TF05NE24 | Borehole Logs

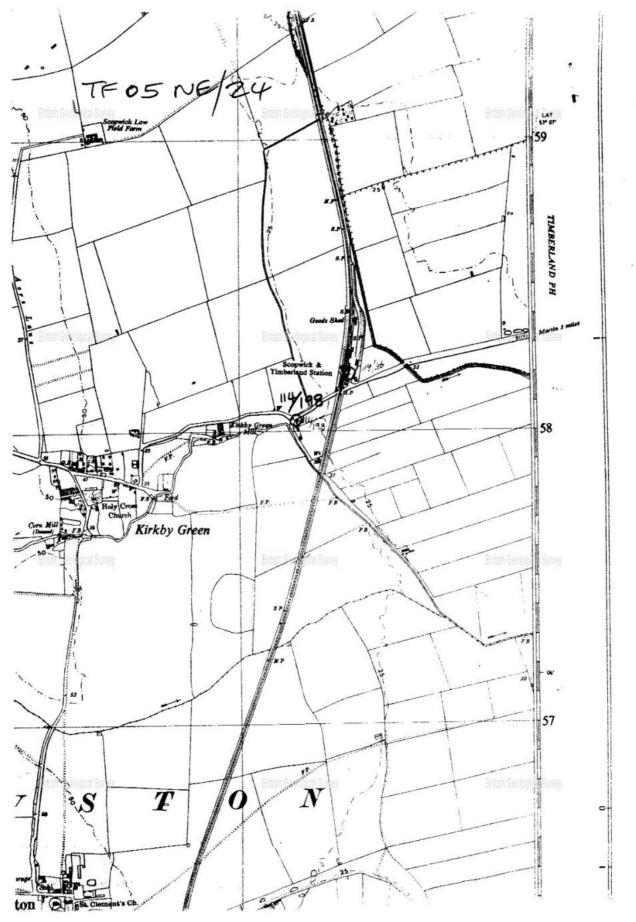
Version 2.0.6.6



<<

< Prev Page 3 of 6 🗸 Next > >>

## Page 3 | Borehole TF05NE24 | Borehole Logs



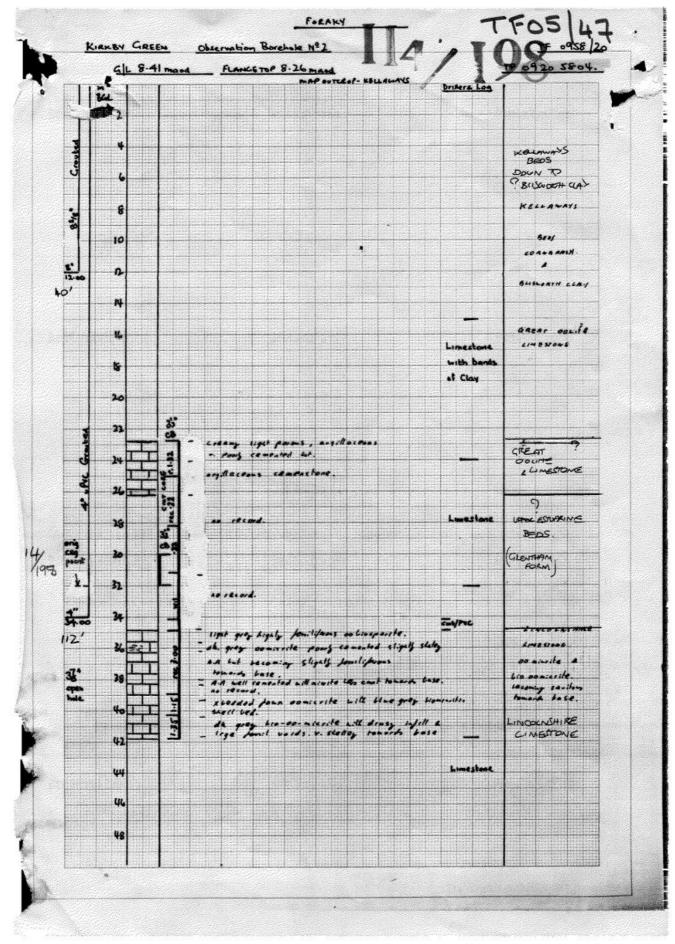
Page 4 | Borehole TF05NE24 | Borehole Logs

Version 2.0.6.6



<<

< Prev Page 4 of 6 🗸 Next > >>



Page 6 | Borehole TF05NE24 | Borehole Logs

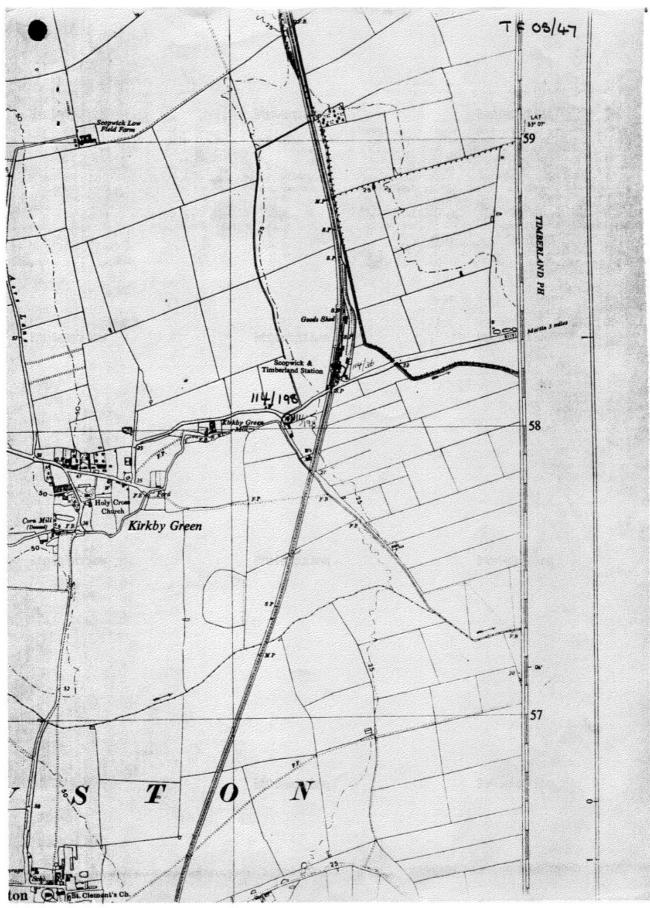
Version 2.0.6.6



<<

BGS ID: 469033 : BGS Reference: TF05NE24 British National Grid (27700): 509196,358035

< Prev Page 6 of 6 🗸 Next > >> Page 6 | Borehole TF05NE24 | Borehole Logs





APPENDIX E9 BGS BOREHOLE LOGS – ZONE L

British

Survey

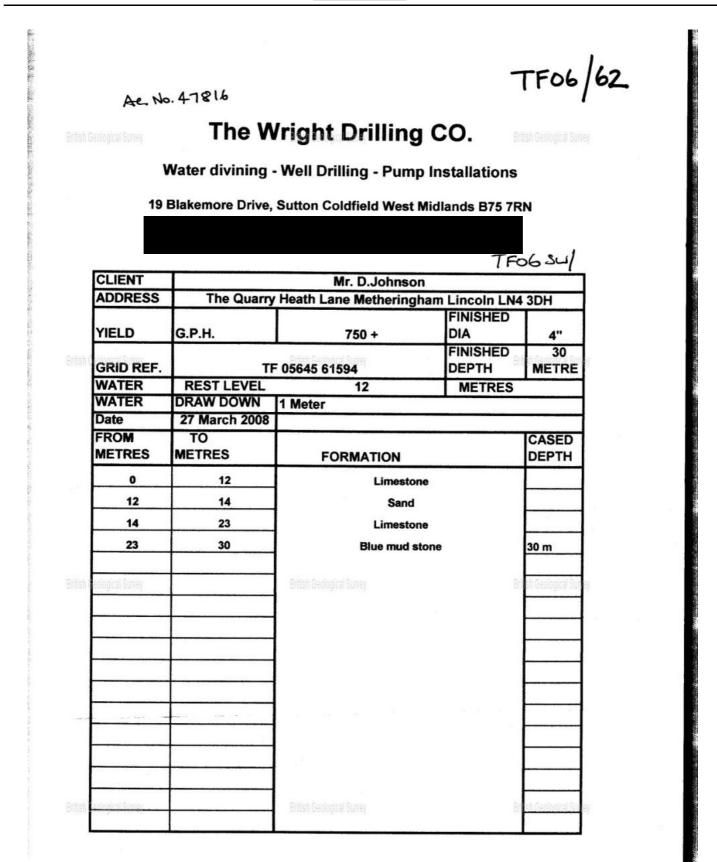
Geological

Page 1 | Borehole TF06SE72 | Borehole Logs

Version 2.0.6.6

BGS ID: 18142057 : BGS Reference: TF06SE72 British National Grid (27700) : 505645,361594

<< < < Prev Page 1 of 1 × Next >>



British Geological Survey

British Geological Survey

British Geological Survey

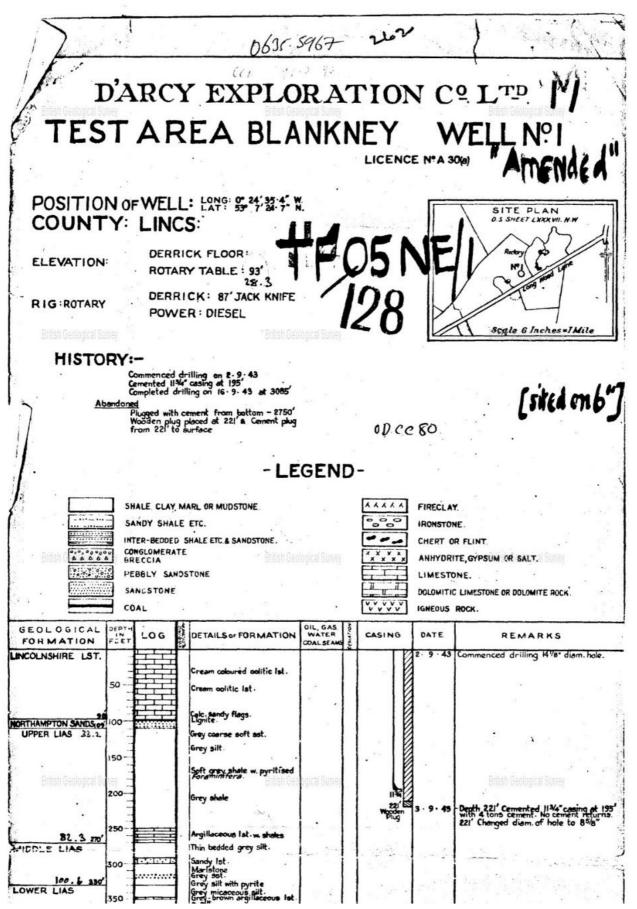
Page 1 | Borehole TF05NE1 | Borehole Logs

Version 2.0.6.6

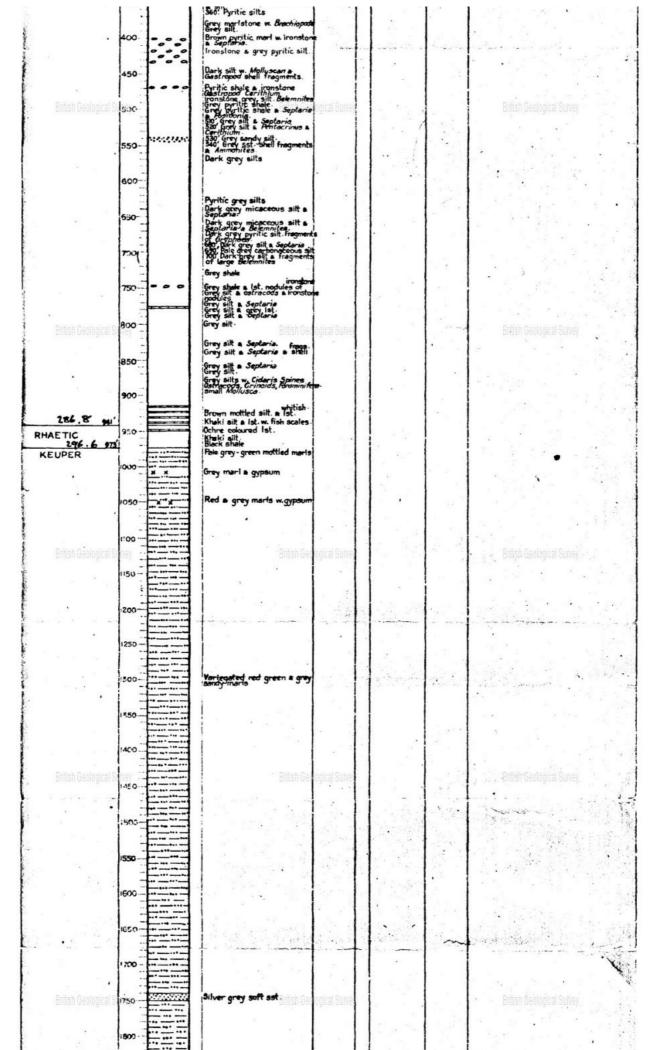


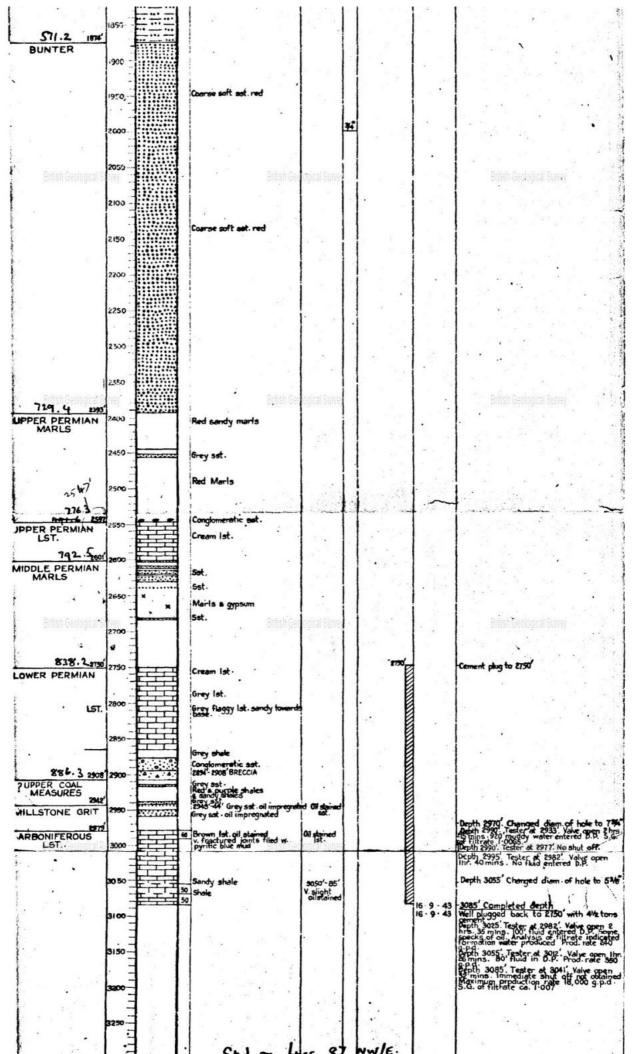
BGS ID: 469003 : BGS Reference: TF05NE1 British National Grid (27700) : 506397,359695

<< < Prev Page 1 of 5 × Next > 2



scans.bgs.ac.uk/sobi\_scans/boreholes/469003/images/10813325.html





scans.bgs.ac.uk/sobi\_scans/boreholes/469003/images/10813325.html

## Page 1 | Borehole TF05NE1 | Borehole Logs

British Geological Siney		British Geological Survey	/   ·	. British Geological Survey
numu oranificat on tol	54 C 1 C 1 C	19.5.50	AN	Contail according on real
\$350				
	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			

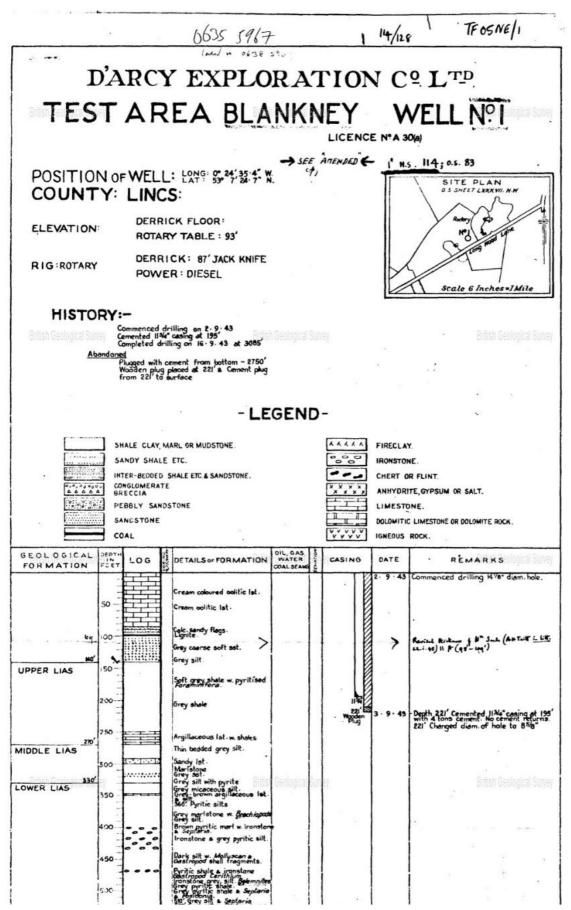
Page 2 | Borehole TF05NE1 | Borehole Logs

Version 2.0.6.6



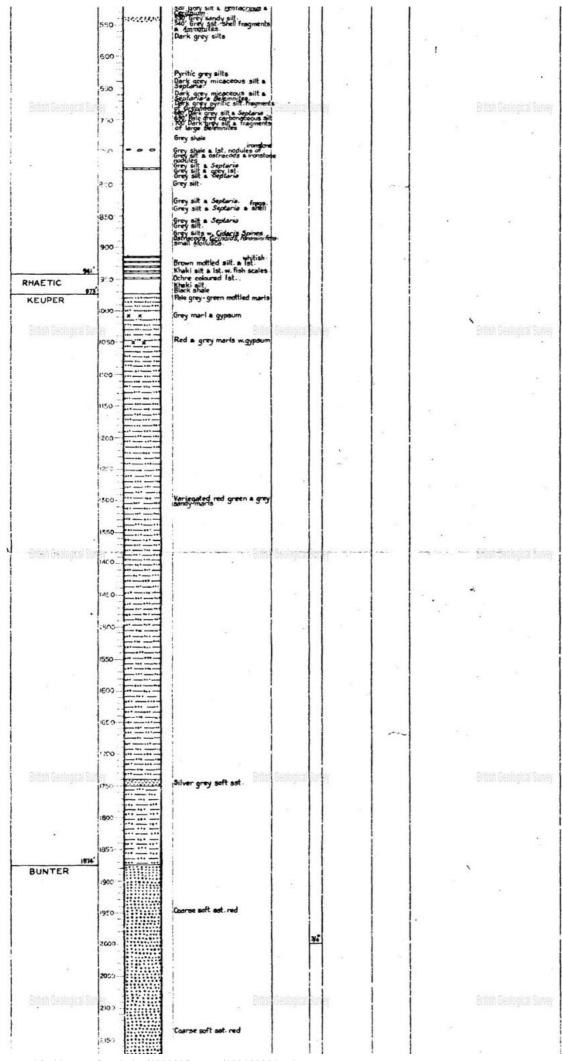
BGS ID: 469003 : BGS Reference: TF05NE1 British National Grid (27700) : 506397,359695

<< < Prev Page 2 of 5 • Next > >>

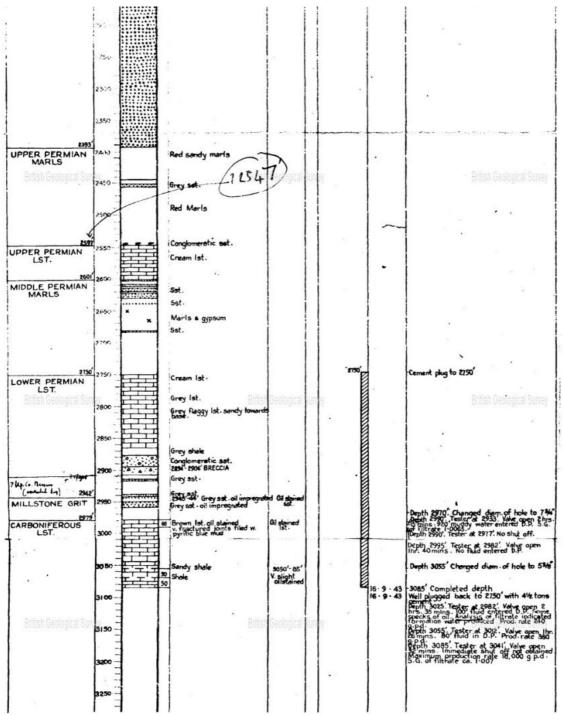


scans.bgs.ac.uk/sobi\_scans/boreholes/469003/images/10813326.html

### Page 2 | Borehole TF05NE1 | Borehole Logs



Page 2 | Borehole TF05NE1 | Borehole Logs



Page 3 | Borehole TF05NE1 | Borehole Logs

Version 2.0.6.6

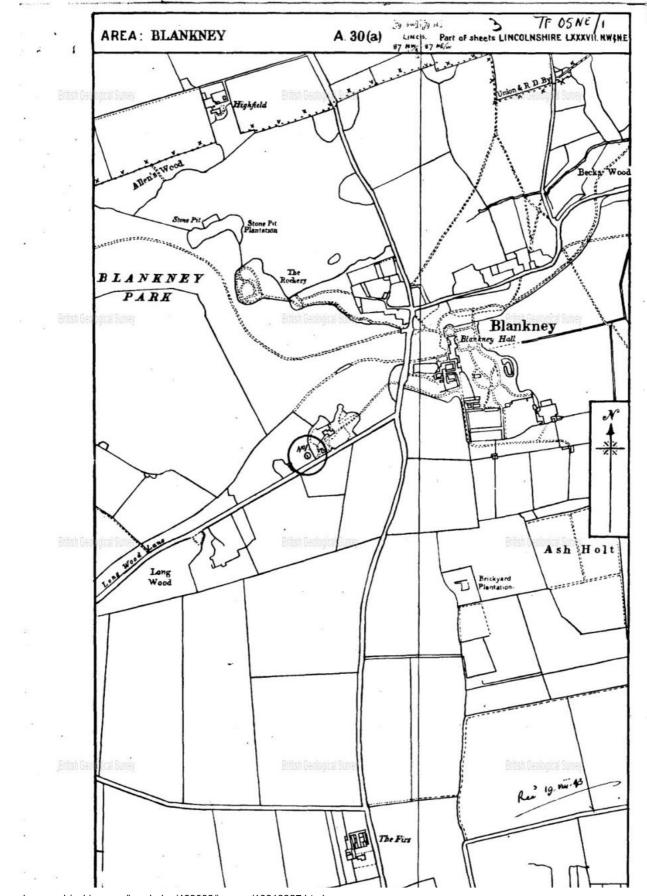


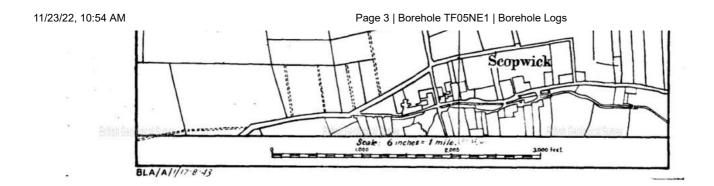
<<

BGS ID: 469003 : BGS Reference: TF05NE1 British National Grid (27700) : 506397,359695

>>

< Prev Page 3 of 5 V Next >





Page 4 | Borehole TF05NE1 | Borehole Logs

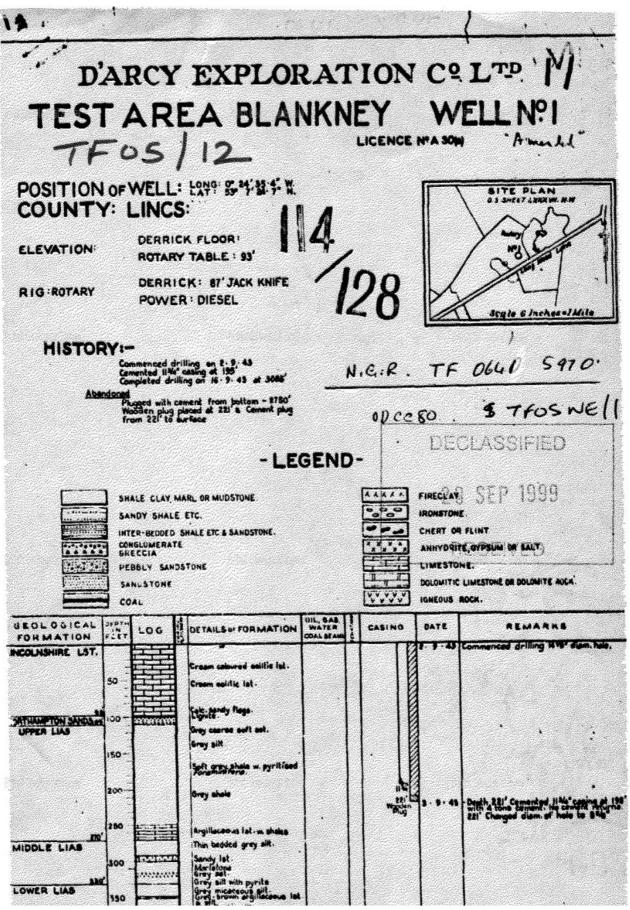
Version 2.0.6.6



<<

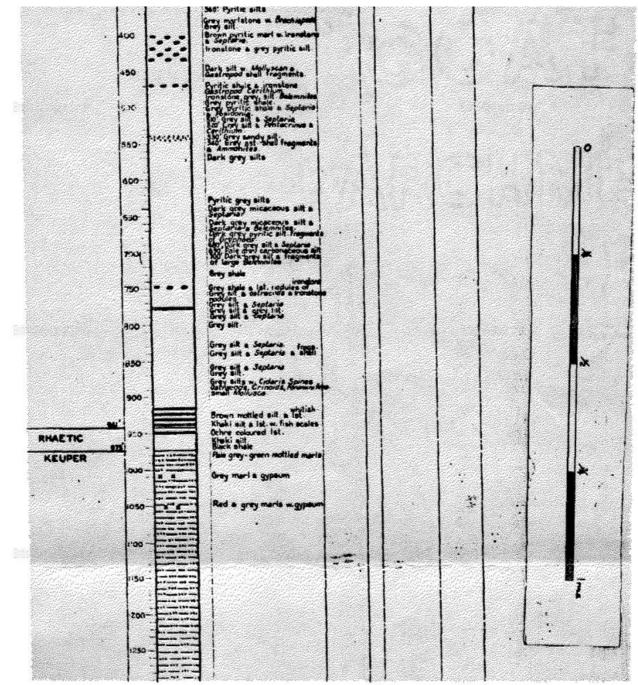
BGS ID: 469003 : BGS Reference: TF05NE1 British National Grid (27700) : 506397,359695

< Prev Page 4 of 5  $\checkmark$  Next >



scans.bgs.ac.uk/sobi\_scans/boreholes/469003/images/14729577.html

Page 4 | Borehole TF05NE1 | Borehole Logs



Page 5 | Borehole TF05NE1 | Borehole Logs

Version 2.0.6.6

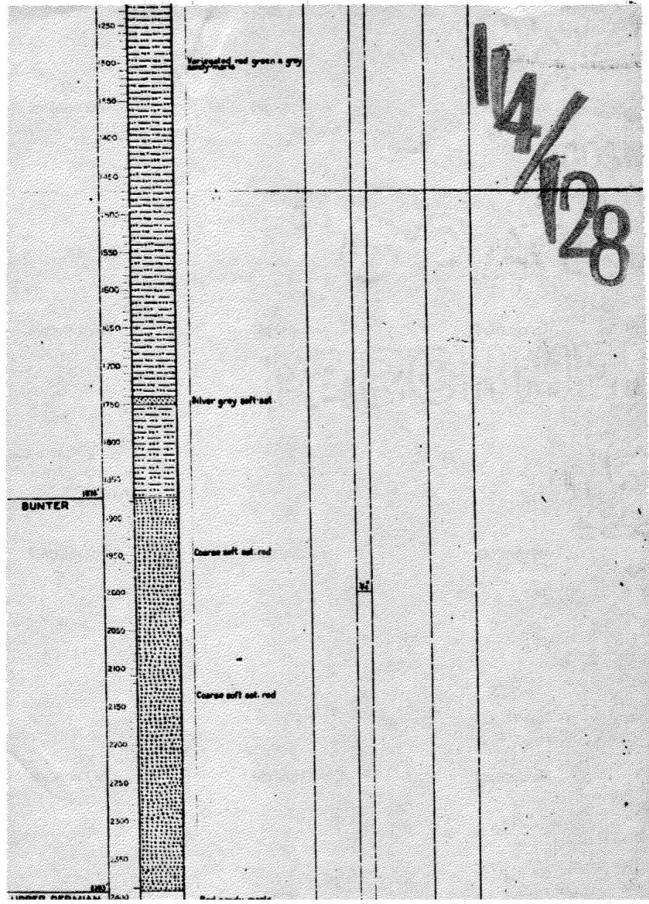


<<

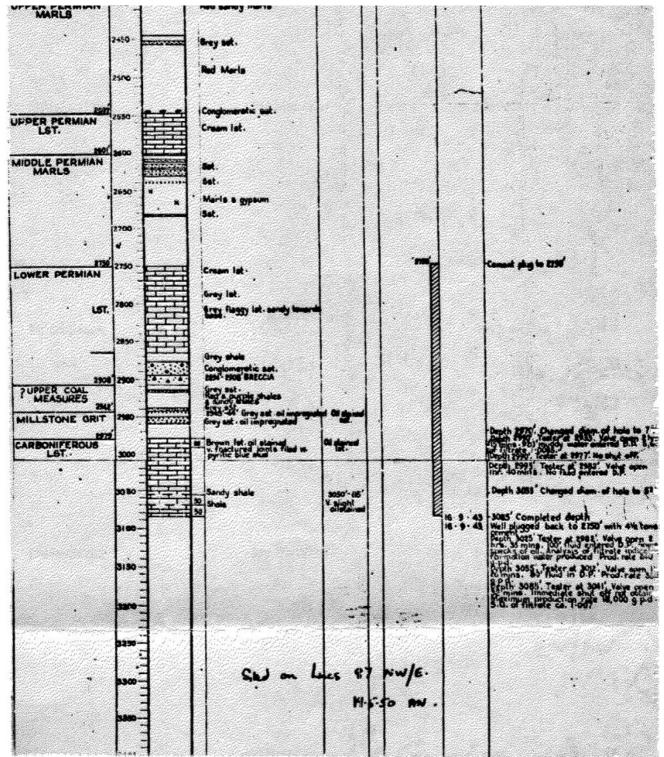
BGS ID: 469003 : BGS Reference: TF05NE1 British National Grid (27700) : 506397,359695

>>

< Prev Page 5 of 5 V Next >



scans.bgs.ac.uk/sobi\_scans/boreholes/469003/images/14729578.html



1.0

.....

Page 1 | Borehole TF05NE16 | Borehole Logs

Version 2.0.6.6



BGS ID: 469025 : BGS Reference: TF05NE16 British National Grid (27700) : 508334,358923

<< < Prev Page 1 of 2 
Next >>>

RECORD Survey No. 1' N.S. 114-1At Lincohin Limetine, 9 miles. 4 Linda 1' 0.5. Acres 15 ....County Lince Six-inch map . Town, Village, &c Exact site unless a tracing from a map is ( Deren to grile well by 6. 1. 1. popular Edition Sheet supplied, give distance and direction from parish (sue France, ) thing und it is 1" toole . of one-inch map. (Square Surface level of ground\_\_\_\_\_\_ft. above Ordnance Datum. Well or Bore commenced at\_\_\_\_\_\_ft. below surface level of ground\_\_\_\_\_\_ Bored\_\_\_\_\_ft.; diameter of boring; at top 6 in., at bottom 6 in. Sunk\_\_\_\_\_ft., diameter\_\_\_\_\_ Details of lining tubes (internal diameters preferred) . All lithom was hilled to bed uplains for the science what & getypiced sway Water struck at depths of (feet) ..... Rest-level of water below top of well or bore\_\_\_\_\_ft. Pumping level\_\_\_\_\_ft. Time of recovery\_\_\_\_\_ iours. Suction at \_\_\_\_\_\_ft. depth. Yield: (i) on test\_\_\_\_\_\_, (ii) normal\_\_\_\_\_, (ii) normal\_\_\_\_\_, ......galls. per. Quality Date of boring Nr. Ale. 1.; 5. Made by Informat (For Survey use only). ., THICKNESS. DEPTH .... TF 05 NE/14 +15 24 + 25 Recent off I at formind. No. 24 an 64 a & Sequick church , - just N. NE Neverby Road. No. 25 -N & E & Sequick church and 26 charas E & Har Blankney No. 24 + 25 64 4 26 0 ing to Navarby + Lincoln TFOS NE/16 No. 26 . Scoperink parish; on the hunders, 78 chains ENE VS Weich church and dont q chain W.S.W J'Schwick Lee Fm. [ Lodge Abra 23]. O.D. [jet Chen 50' untro ] say Aq'. er Schwick Mitin Mall 60.2 Sort mother 3 90.53 52 income 42.06 11 miled day 8 92.67 316 45 14.63 I say day 60 18:24 "Bon : a Combrack coop forged . my . . ont 4+ ? When is Of MARTIN PARISH BORE NO. 27 TF 09541 58809 1TF05NE17 TFOSNE 17 No. 27. Mastin paril, on the Timber And branking . 8 day E Mts ratur and 37 chain N- 4 E 4 bridge (or land comony ?) at Scope O.D. "just betwee 25' canton ) say 24'. Restrate-Tund ick statin 3 4 0 Top soil Mottled clay Geological Survey Bluessandy day 40 219 3911-29 18:21 20 any when B. Chang. [If To] Che. is here -36"[e here], on in No. 26 - ging he of 93' for 3/4 - 20 - 112 /1-1

22

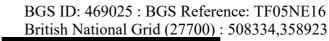
British

Survey

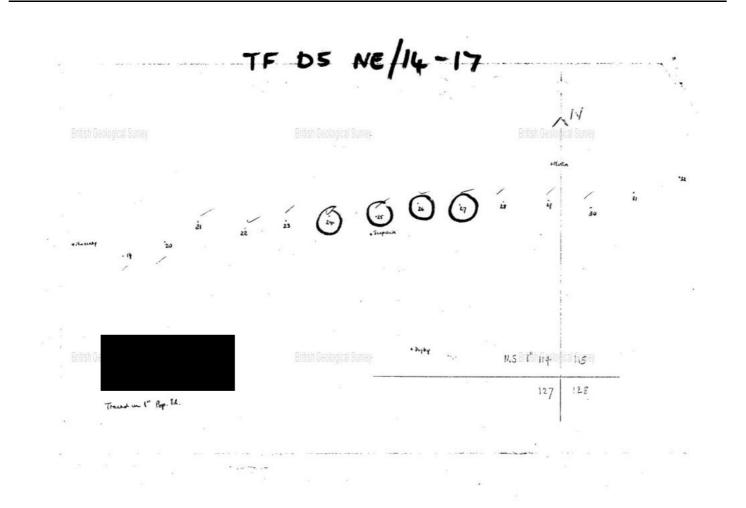
Geological

Page 2 | Borehole TF05NE16 | Borehole Logs

Version 2.0.6.6



<< <p><< Prev Page 2 of 2 </p>





## APPENDIX E10 BGS BOREHOLE LOGS – ZONE M

I

Page 1 | Borehole TF16SW21 | Borehole Logs

Version 2.0.6.6



BGS ID: 472521 : BGS Reference: TF16SW21 British National Grid (27700) : 510190,360220

Page 1 of 1 🗸 << < Prev Next > >>

Wate	ce level ( r struck ) h 1979	(+ 18.1 r at +16.6	n) +59 ft m							M W	ineral aste 13	
LOG												
	gical cla	ssificati	on	Lithology						Tł	nicknes m	s Depti m
				Soil							0.7	0.7
	-glacial and Grav		er River	Gra rou sub	d, 'clayey' to vel: fine wit nded limest rounded san d: medium, d	th coarse, one, round idstone	led quart	z, subangu	ite with su lar flint ar	b- nd	2.8	3.5
Till				Clay, silty pebbles of	chiefly oliv chalk, flint	ve grey with and muds	th reddis tone (cor	h brown pa nmon to b	atches at 1 base)	6 m;	13.8	17.3
Ancho	olme Cla	y Group		Silt, clayey	, dark gree	nish grey,	laminate	d in part,	fossilifero	us	1.2+	18.5
GRAI	DING											
	Mean percer	for depo itages	sit	Depth belo surface (m					Britis			
	Fines	Sand	Gravel		Fines	Sand			Gravel			
					-12	+18 - 4	+ 1 -1	+1 -4	+4 -16	+16 -64	+64	mm
	6	75	19	0.7-1.5 1.5-3.5 Mean	14 2 6	19 9 12	51 59 57	4 7 6	8 14 12	4 9 7	0	

#### OMPOSITION Donth H

î	surface (m)	Percer	ntages by we	eight in +8 -1	l6 mm fr	action				
		Flint	Quartzite	Limestone	Quartz	Sandstone	Mudstone	Ironstone	Igneous	Others
	0.7-1.5	9	55	0	17	19	0	0	0	0
1	1.5-3.5	10	44	20	17	7	0	0	2	0
ł	Mean	10	46	16	17	9	0	0	2	0

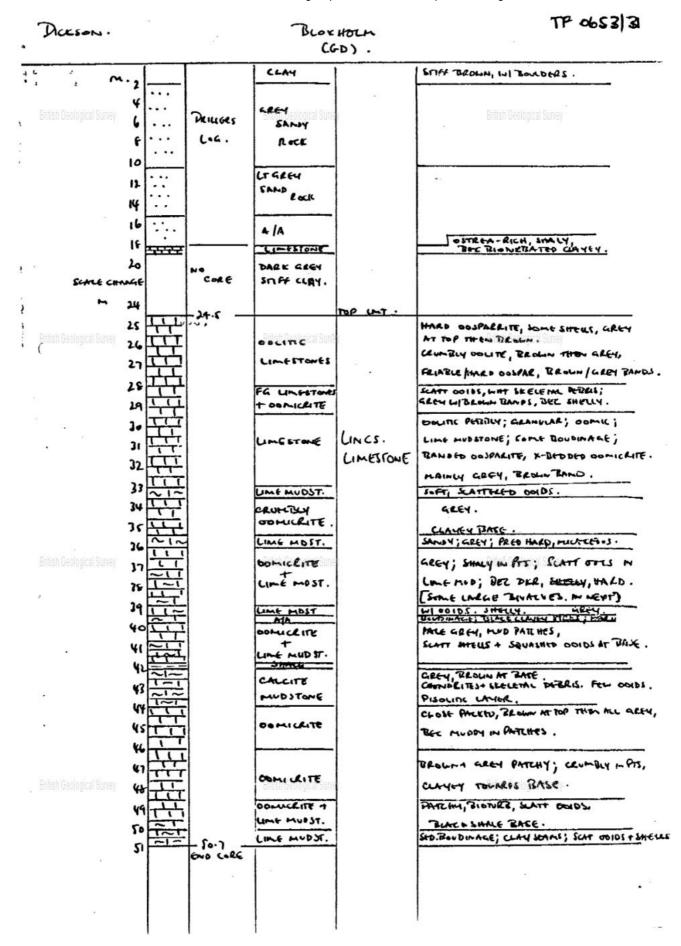
British Geologica

ţ

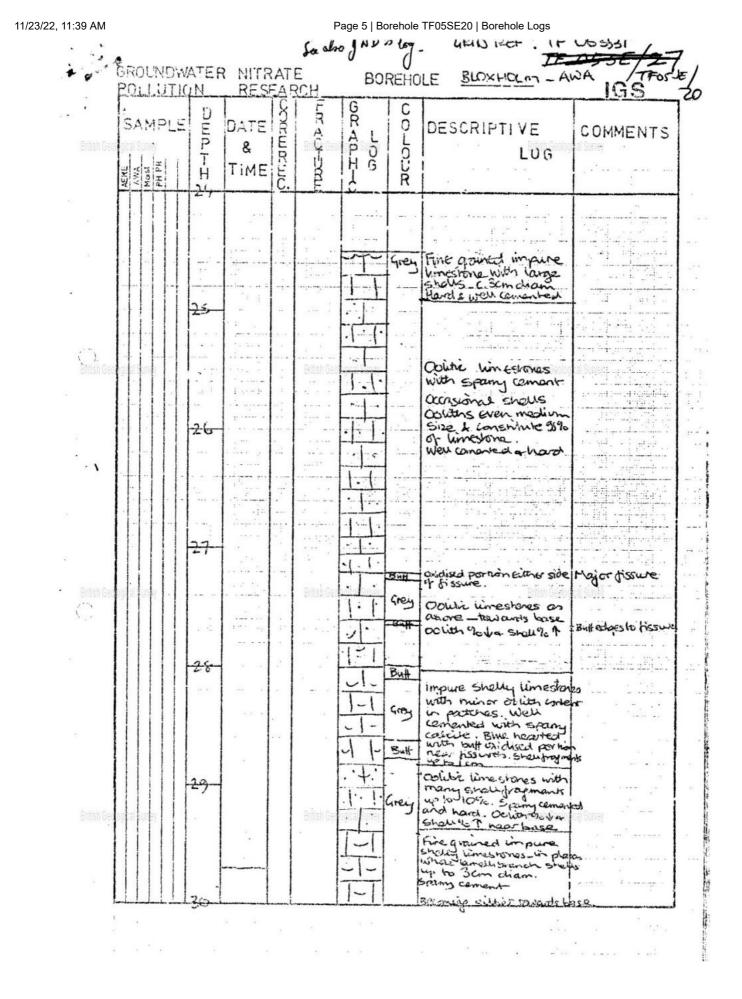
Page 1 | Borehole TF05SE20 | Borehole Logs

1:1	<u>Kholm</u>	L 22.	19 m	and	Flo	mare	22-54	mad			ASN	21	5	FO	6355	311/1
THE		. 1		Core De	scripti	- J.	A . Dicks	<b>9</b> *		÷ ;		Hiff brown	1.	to the	CoRME	RASH
	2		: 1	. J.	. !	Brillsh							Britis 13	845	-LTH	CLAY
	1914) 20 <b>17</b>   1		. 1		1		•				2 8	gree .		، برد در ا		
	4									;	1	sand			:	• •.}
									i			rock				
			++					in and					-			· · · · · · · · · · · · · · · · · · ·
	*									8				ţ	1	-1
								• •• • •					1	T 001		ELT.
					1				n n pa lada			light gr				i
					1.1							, i i		1		
-					<del>m</del> hu:		1	i*.~?	·· · · ·			··· -				
10 216 212		42.12.32	. ;; .			Britsh	deotojica	Siney	· 1			IL. grev	Termon Pr	eriopital	saver ;	
		and the			iu ietr			1	· · ·		Ē	Sand M	. 1			
	18		5	then bis	ench S	nd sand	y clayer		rom t, fe		Impr		44	-	ELTUNA	
						1.4	<u> </u>		<u>.</u>	1-1		dart g	-			
				1150				1	:			Aiff (	1.4	• • • •		
	-22					than.	T.L.				1017					
			412						1					L.w.C.1.		Fare
		- 1	ŝ -	trees.	crumbly		Umes	rone she		- 1. 1		Lucola.				<del> </del>
26.00	24		3	Iman D	weekly.	OGLITP I	Lim Faton	ter and	-	friake	-		-	2	4.1	: 1
	3		2-		hard .	bands .	ad Lama	stent, s	antt'd .	ends, she	d. debris	1				
	T -	FT	2					aberte - fr 18, bec. Lort. Sk					Chilen (	eninningi	Sinner	<u>.</u>
	30		e.1.1		emical	-	Lime M	weltene, m eed.b	calc. 4							1-1-1
	2		i.	bander	-	man	te and	opmerit	e. • .	1	Ţ.				i	
		<b>►</b> =	<b>[</b> , ] -	the second second	and stut	STONE.	soft w/	LCatt's	midt-	+	-	++		. 1 .:		
	*	1-	ŀ.	That for	11.11111	11 H-11	11000	sanda		-924-001			- Li			
	34	1 1 1 1 1			-	te clay		-	_							
		1-2	1:	-	Lines in	MOTON	E W/ SU	st'd .	uths,					1.1		
		I III		gray he		Line n	ud stand	Jegun	about total	Landa	and it	Limest	D*4			1521EE
		1	1		A come				heber.	- 14	m sts.	and be	nds	·	l ar	
-	•	1		= statt	CALCIN	At shall	and, fin	skelete	debria	+ chen	inbeli	C.	4		••••••••••••••••••••••••••••••••••••••	.)
		H=	1	- Picon			-	1					1941.1	·::!!.		<u>). HI</u> F
1 Geol Case	4		1	9.04	clen.	patrea		te umff	ron 6 ,				British G	epilogical	Single:	
	4		18-	-	elays and )	rom(i	nher loci	ind) .	micrit	e limi	STONE,			1.		
		ГŢ	t	(p)	11						,				<u>.</u>	
	•	*E-			atch	-	PIEL AN	e bue a	vditer	e, bistu	rbated.	+		-	4	
Ri ji			F	- Blac	t. Chat	. at ba			· *** **		. in an			2		4.5 et e 10 <sup>1</sup> t. 1 <sup>1</sup>

Refer		ilian Tinn Sinn		<u> </u>	gray last	ind i		rent,	-	Lave all 5	l in ng e i	cla	444 ·	(4.4.m.d	1-5 -	i Imi	Lus	4 .4		Geninn			: 111	
	13 B.T 19 T. J.S	S	1					•••••••				1.					LIA			2 67		THE		ł
	53.70.	6E778.		<u> </u>	<u> </u>	Drill	ed		AL		1460	IEA	1 45-1		Ī.		LIAS							
	<b>V</b> *						<u>ir:</u>		19	1197	3 - 1	-19	197	2				+						1
15", 19 19								њį.	12	1011	972 .	-	.5.	<b>.</b>	]				i		1			
						9 1	- 26	5-600		<b>.</b>	Appled	N. 4		store	1.				1	4				
4											ki ki ki Ki ki ki			÷ ÷	-		· 14.			, ; ; ; 				i
													i				···· ·				-			33 34
i British								8016	h Gei	:. okigira	Survey					:: ا			British	 Geolog	it și Su			:
-								ii. Anti-				1			-	÷., ·	1. 14	.     .		مەرم ئېر رو	.i.,		, difference , difference	}
				ابا 1 ار در بار													2:: <b>1</b> -:				d' i			
																			-					
				11114	r.		141								Ţ	-					-	<u>+</u>		20
												-						+				 		
																					- <u></u>			
	nillin																							
								Robe			hiney.	-							Billish	Geolog	0 80			
							1					-				-			-1-12			÷.		
															-	<u>.</u>			1. 1019 -					
<b>Press</b>						il I		Hit:			hir									li li		ф.		, 1 , <del>4</del> - 1
							ŀ						<b>.</b>						11		li dei li dei			
				H III									i de la			544				i in i		-En	Hilm	
								1. 2.2. 2.			i linej.	<u></u>		1.1		1 15			British	190100	1021614		12.19	
			5. j. j. j.						-				110 AT			1.1.8	C			1.1				-
FIG.10.							÷	$\frac{1}{1}$		<del></del>	- <b>)</b>			T in	Ī									



additional info	mation (	
	127/ 01	
Riffelt Garlaniesi Sundy	han 127/218 (b)	Riflet: Ganlanical Survay
	AWA production site	
		•
Ifon also	in from AWA Sept. 1981	
at the	time that Ashby P.S. 14/99( a ritrate content of 15 mg at Bloxham Nes 3-4 the yield at Bloxham was note.	b + c) was producing
water of	a nitrate content of c. 15 mg	Il the water (21971)
producted	at Blochan Nes 3-4	the to be
Howleer in a deal	with your on pownow was	for a de
<i>p-ca-v</i>		A CONTRACT OF A
union occorgical on ref	ningu genirðingi ganiði	Sept. 1981
	······································	
	· · ·	·
	SP43NLU	
	NGDC	
	ACCESSION	
	NUVIBER	
	35266	
British Geological Survey	antan Generatian anyes	British Geological Survey
-		
	· · · · · · · · · · · · · · · · · · ·	
· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
t the Back and a second second		
-		
and the state of the		
· · · · ·		
Diffets Contention General	Dettals Castering Our av	Autori Geninacai Autori
anna a suchan annai	- instri ovvrginar osrity)	diffici deulogical solvey
	AN A	*
		1



1 Andrews	TION	RESE	0	F	G	T	C		IGS
SAMP	LEE	DATE	m aoc	R -	GR	.		DESCRIPTIVE	COMMENTS
British Geological Survey	·   P	8	E	B Ç Geol	AP		6	LOG	al Survey
AERE AV.A Moist PH PR	T     H	TIME	RELC.	-2001	H L C	0 G	OLOUR		
	30	19 A.L.		e		5	-Light	Small shall frequents	· · · ·
				· · · · · ·	+	-11	grey		
	· · · · ·	1 X .	• •				grey with mcthai	have challed imagin	
-				· · · · · · · · · · · · · · · · · · ·	T	1	parches)	Impuse shelly lineston (minor obith content at	
				1. 11.1				top) with micrite making but spany cative cement. Of en large whole shells set in skeletal debis	* <u></u>
	31				1-1			cement. Ofenlarge	
		11-22			1.	-1		where shells set in	<u> </u>
	:		1	-;:;::	-	-		Harda well cemented	
Antish Geologica Survey			1	British: Gidolo	1.	-1	·		of Survey — 🕂 🗄 🕬
		I		-lanainit -			and the	الإنتهاجي ويعتب بالتي	
						2			
· · ·   •	32					-•, ·	Buff		
			1.	- luin	T	1.	and the second second	Oputic linestones	
· • • • •						1	grey	with spany coment. In patcher v. silty minor shell composen	
			1.4.		÷		12	Minor shell composed	4
	L			1.4.4.5	1	1.	• • • •	timine wowend seamon	<b>4</b>
			1			+		in polices	
	33	-	-	1	1.	<u>,  </u> ,	1.	بلغور شنات المحمد ا	
	· · · · · · · · · · · · · · · · · · ·		-			1-:	L		
British Geological Surrey		the state of the s	1.	British Gentr	1	NEV		Fine grained impure sof	Sunay
$\bigcirc$					1.1	1.		Friable Oblitic W. est	<b>No</b>
5. T		$1 + 1^{\circ} 1 \pm 7$		$\{t \in \mathcal{A}_{i}^{*}\}$	·T	÷ ŀ		with spamy carrie	a sa ang pang apin a mi
					1÷	1	But	the up would sequen	of marky farting
	34	4			1		Grey	in parts	
						1.			• • • • • • • • • • • • • • • • • • •
					1.	. (.	[	· · · · · · · · · · · · · · · · · · ·	a
►		2			-	1.	1		,
					T	1	•		· · · · · · · · · · · · · · · · · · ·
				-	-		-		in p
	1135	-			L	1			•
British Geological Turvey	111			British Géolo	μĹ	<u>:  </u> :	-	British Geolog	calGudey
					-	1	midana	laminated clay seam	rith sheed tragenon
					1.	· [·	greg	councinestone uno	n intraclasts
			+		-	+:-		stay seams with such from	
					T	· 1	-	Patches much sult. Occ	anonal shell (174)

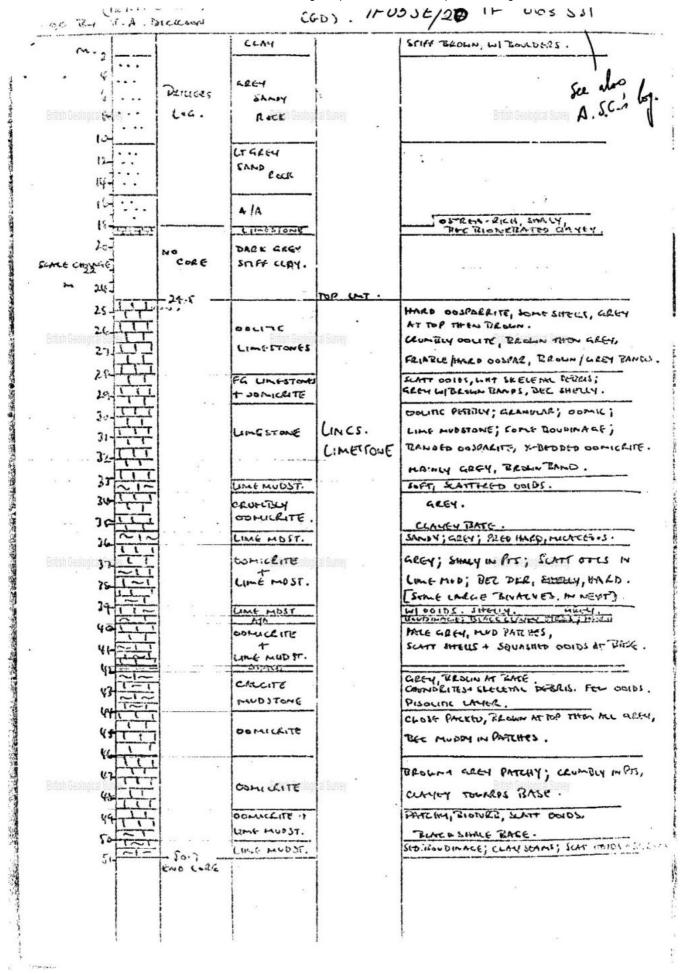
-----

* .							· · · · · · · · · · · · · · · · · · ·
GROUNDWA	ATER	NITR	ATI	=			BLOXHOLM AWA
POLLUTIO		RESE			BO	REHO	LE Dragas IGS
	Dme	DATE	COCHURINO	FRAC	GRAPH	COL	DESCRIPTIVE
AERE AWA Most FH PR	T H	TIME	REC.	A-Duble	P O H G C		LOG
						grey	Colitic linestones with Spany cement for now part. In patches Vingue with suit up to 4090 Some parts rich in stelletas
<ul> <li>British Geelog ca Surrey</li> </ul>	37-	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	• British Ge			debits 5 and large where langtubranch gastropod shews (up to c. ucm) Yuge filled with syramy callie crystals
	<del>3%</del>						Impaire fine grained linestones with occasional Scattered opuths a some shell debors. Hand a well cenented
					11		Impuse fine grained Imm with abundant shall
	39					darke	dobins. Minor Oolith 20 Which increases touted by Hard & consider with spar Tomoraked clay seam with nuch shell closes on 12 mice & southered country. Micesons
British Gallogea Solvey	2. P	· · · · · · · · · · · · · · · · · · ·		British Ge	<u>: : : : : :</u>	grey	Fregrined linestore with scattered black couttins (SOG)
	40	·			1-1 -1-	degrey	the graned porcellanous linst Methystell preyments This mart seem with stell delives Fire graned lost + Shells laninated mart seam with shell delive
				d'a a e	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	grey	Impuse fire grained linestona with scattered coliths. V. hard. No shells
Britsh Gelogica Suzey	41		-	British Gé	· / · (		British Geole dical Survey
	1.0	··· .				dkgrey	Fine grained and laminated much shell debins aligned stong laminue. Squashed oclipts minor 20 laminued dayseen with stren debits the grained porcellamous incr with separative very Ollasmal courts (<140)
1 	T have						

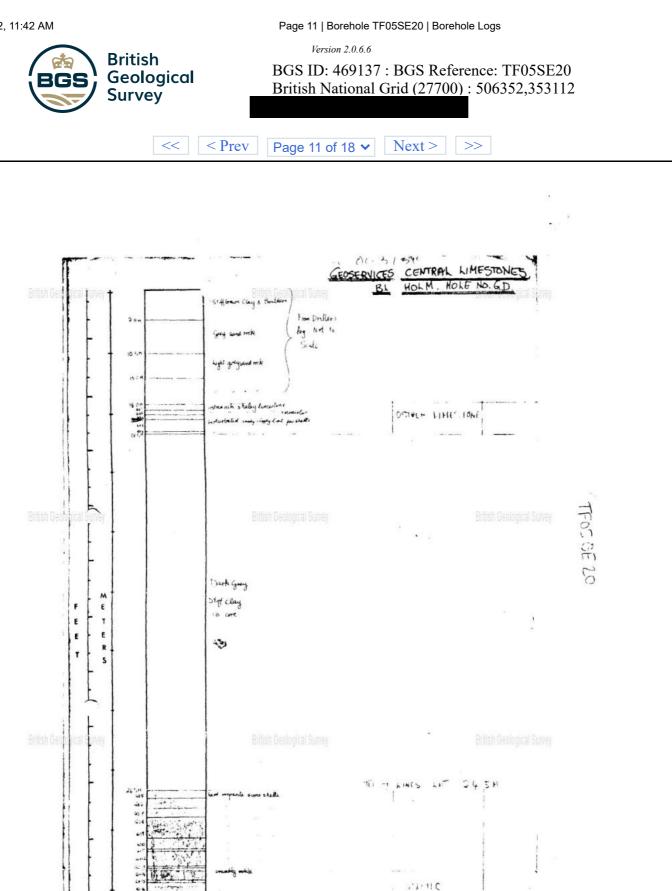
									æ
			•						
۰ L ۱	GROUNDW	ATER	R NITE	AT	E	BO	REHO	E RIDUNICE AND	
1	POLLUTIC	)N	RES			БО	REHU	LE BLOXHOLM - AWA	IGS
•	,	1	1	0	F	G	C		
	SAMPLE	DEP	DATE	JORMEMC	R	GR	Ō	DESCRIPTIVE	CONVENTE
• Rritish Ger	unical Sinon	P	8	Ë	BrÇ Geol	APH	OLOUR	Dritich Ganlani	COMMENTS
Linten a si		Ť		R		A D G	0	LOG	around -
	AERE ANA Most PH PR	Ĥ	TIME	E	DBT DBT	17 6	I B	· · · · · · · · · · · · · · · · · · ·	· · · · · · · ·
*	A A X G	-42-		<u>C.</u>	L_E_	LC	In		
			1.1.1			<u> </u>	ł	V. tineg portalianous ist as above	
					1 - ···	1-1	crey		Lilian I
14		· *		:	·		-	Gia united umestone	
1.425		. <u></u>		72		1-1	liger,	with slattered oiliths	(109.)
		• •••	·		a tha fair go a	11		fine grained limestone with scattered orliths Clay pellets a knowlad is	
			1 1 24 24		11.11.11.11.11				
		43				1 - 1	· · ·		· · · · · · · · · · · · · · · · · · ·
S.,		1 . mi	1. 1T .		1.00	~~~	1	fire grained impure	
			17 . 17 .	-	·	1	1.2	fire grained impure timestores with tancia bands of shell program	5(2-3cm)
( ) Sinteli Gor	······································	+	•• ••••••••••		Riffeh don	1		Ridah Ganlag	N Rumon
DUITON DOI					••• prison gpu	1		en an	
		and i	endel antis 4 etc.	igt u			But	- morely parts of	· mFridukta
1				1	······································		Grey	Oblitic limestone with	الشريعية والمواضية والمراجع
-		44-				<u> </u>		hard sparing cement. Silley materix in partie	•
					an a	· [-	· ; :**	oung marchen pairs	>
· •			- tent. i -	· ;-	بار بارید.	.171			
•				-	······································	- 1- 1-			
et a	·						- <u>k</u>		
		· · · · · · · · ·		•	1.1.1	1-1	7 9		
			4-1-1-					large shell 6cm replace a injured with calcule instals.	
2	·	45		1.1	· · · · · · · · · · · ·	1.1		a injured with calcule	
75						11	····;• ·		a se sere a proposition de la companya de
Driffich Col	aarsi turbu	7 i			Dilleh Cor		11		entition of the second second
	nārai entel				THE TRANSPORT	1.1.		- shell traements become	(0) (UNC)
C)		1 11		-		11	mothal	" shell fragmants become more abundent in obli	nè
		544 i -	a seconda.				mottled buttlgrey	- msr.	en en destructures de l'échet
					4	-1 .1	1		·····
		46-	12.7	·			grey	Very coarse chimbly	
						:]::(:	Butt	ootite with muddle	· · · · · ·
						·   ·	2	matrix and much pellets	·
						1.1.		Occasional should represent	10 00 0 0 00
		17 N	••• •••	-	1.1	4-14	Grey	with spamy canent - Hand Ling Tone	
		1.42				-	But	1 mile mustine	e deser
		1.2		i		: [ : [.]	out	in the stand	
		41	1.1					crumsly ocuse with vig	S
British Ge	Inneal Support		-		British Geri	1	Grey		tal Suiver · · ·
and a line of the						1.1	- 1	Mard Ooutic linesting	
					ľ		4	and a mark	
				•				· · · · · · · · · · · · · · · · · · ·	the second second second
						1-1	But	• ••• ••••• ••• •••	s a station l
		i	·			$\cdot   \cdot  $	Buff		
		48				most age and			
	· ·		1 a 4		· .	5 5 <del>3</del>		e d'e	
								براید شده از باشند بست.	

	OLLUTIC		RES	10	F	G R	C	IGS_
British Geologi		DEP	DATE	RE	A C		0 L	DESCRIPTIVE COMMENTS
	AWA Moist PH PR	T H	TIME	JORMERIC	RAC Geo		LOUR	LOG <sup>eolog</sup> a survey
					 	· · · ·	Buff.	politic linestone with
			·····		: 	1.	Citery	Hand a well comarked (spany) Catrite in filled honzonine Veir (I condiant Major
						1.7	But	Vein (I andian) Major Vernical fracture with Ferniginous deposit on walls Miror Shell fragment comparent in parties
•.		49			: <b>1</b>		i dent	
	-	47	1			= -=		shelly clay rich hand lignestime.
$\Omega$		· · · · · · · · · · · · · · · · · · ·			print in a second	1.1	Gray	Fire grained linestords with scowered colitils and approxists shall dospis
British Geologi	2 (2) 	- judei			Dilipi Deu		ingen (	Hada well cenerce
		50-	1.22		•	1-1		
			1					clay inch band with shell regments
· \		· • • • • • • • • • • • • • • • • • • •				-	- Tar	Fine grained inpure limestone with scattered actiths marty Partines at top. Minor shell debis component
						+.+.		shell debis component
		51-		 				
• •		л 						
British Geolog	: क्षेत्रचाह्य	site and			BHISh Geo	ogi <del>tal (</del> unite)	· · · · · · · · · · · · · · · · · · ·	
		w.F.		:4,4	11 m. 11 r. 11 m. 11 r.		ing and a second	
22		~.	·		··· · · ·		• • • • • • • • • • • • • • • • • • • •	
						in the second se		
.			· · · ·			-1 <sup>-1</sup>	-	
,	-				×		-	
		•		ж. т.		1		
							-	
British Geloog	tə Surley	-			British Gee	ogical Survey		British Geological Survey
	-						·	and the second s
					20	:	• ! •	······································
	1					din		i

Page 10 | Borehole TF05SE20 | Borehole Logs







- Albert h. Contracted & scans.bgs.ac.uk/sobi\_scans/boreholes/469137/images/10813585.html

----

60

.

ыры 69У -----

64 4

-

ſ

Main et the

-

dead

ad last

27

and but satured and

chalidal detris

where a first carter

-1. 1.1.1 1

ų

1. 7. 24

L'andrea .

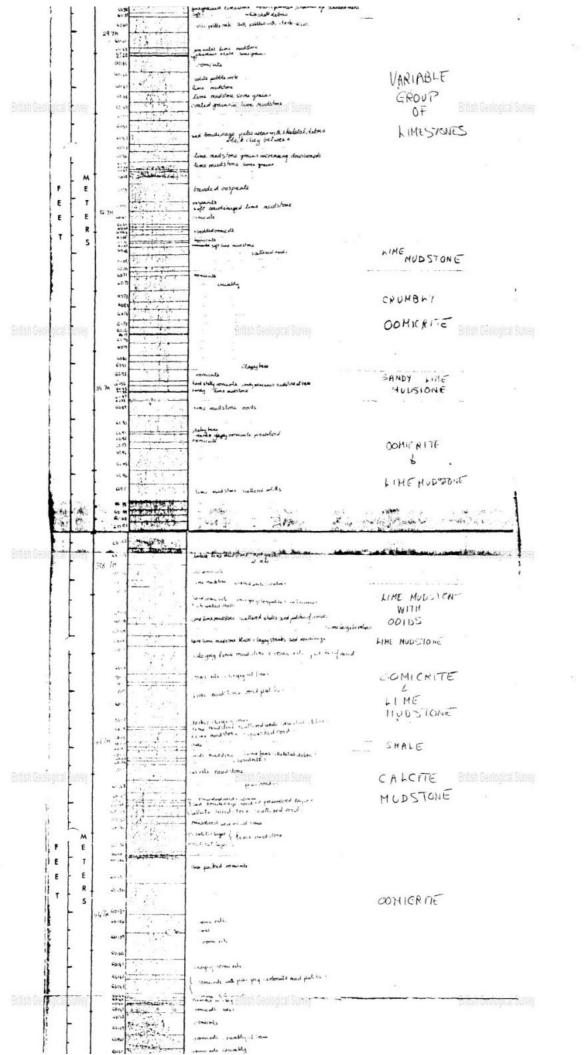
1111-

Aurene :

AUG

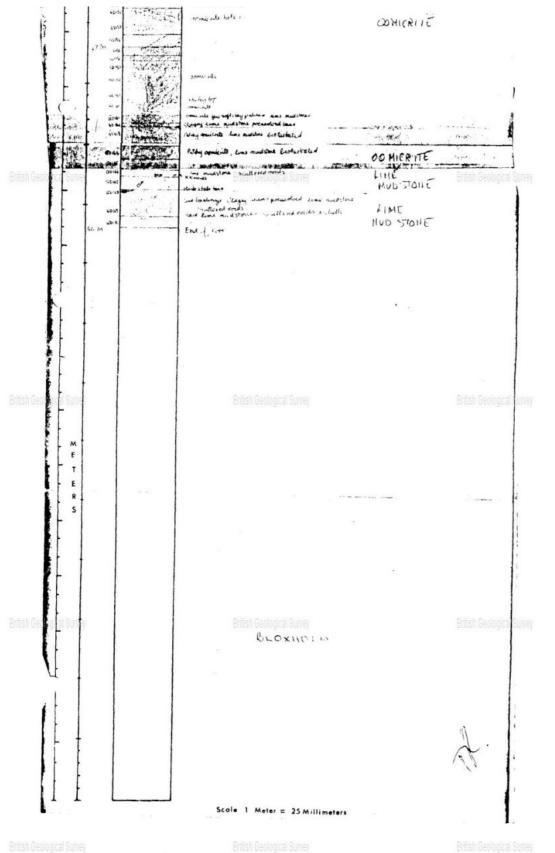
Oditicking

### Page 11 | Borehole TF05SE20 | Borehole Logs



scans.bgs.ac.uk/sobi\_scans/boreholes/469137/images/10813585.html

## Page 11 | Borehole TF05SE20 | Borehole Logs



Page 1 | Borehole TF05NE17 | Borehole Logs

Version 2.0.6.6



BGS ID: 469026 : BGS Reference: TF05NE17 British National Grid (27700) : 509541,358809

<< < Prev Page 1 of 2 

Next >>>

RECORD Survey No. 1' N.S. 114-1At Lincoluction Limetime, 9 miles. 4 Lincoln 1' 0.5. Acres 15 ....County Lince Six-inch map . Town, Village, &c Exact site unless a tracing from a map is ( Deren to grile well by 6. 1. 1. popular Edition Sheet supplied, give distance and direction from parish (sue France, ) thing und it is 1" toole . of one-inch map. (Square Surface level of ground\_\_\_\_\_\_ft. above Ordnance Datum. Well or Bore commenced at\_\_\_\_\_\_ft. below surface level of ground\_\_\_\_\_\_ Bored\_\_\_\_\_ft.; diameter of boring; at top 6 in., at bottom 6 in. Sunk\_\_\_\_\_ft., diameter\_\_\_\_\_ Details of lining tubes (internal diameters preferred) . All lithom was halled to be captoring for the science adort of gaptycind survey Water struck at depths of (feet) ..... Rest-level of water below top of well or bore\_\_\_\_\_ft. Pumping level\_\_\_\_\_ft. Time of recovery\_\_\_\_\_ iours. Suction at \_\_\_\_\_\_ft. depth. Yield: (i) on test\_\_\_\_\_\_ galls. per\_\_\_\_\_, (ii) normal\_\_\_\_\_ Quality Date of boring Nr. Ale. 1.; 5. Made by Informat (For Survey use only). , THICKNESS. DEPTH .... TF 05 NE/14 +15 24 + 25 Records App at provind. No. 24 an 64 a & Sequid church, - just N. NE Neverby Rold. No. 25 -N by E V Sequid church and 26 choice E & Har Blankney No. 24 + 25 64 4 26 0 in to Naverly + Lincoln TFOS NE/16 No. 26 . Scoperink parish; on the hunders, 78 chains ENE VS Weich church and dont q chain W.S.W J'Schwick Lee Fm. [ Lodge Abra 23]. O.D. [jet Chen 50' untro ] say Aq'. er Schwick Mitin Mall 60.2 Sort mother 3 90.53 52 income 42.06 I are day 8 92.67 316 45 14.63 I say day 60 18:24 "Bon is a Contract coop forged . why . . ont 4+ ? When is Of MARTIN PARISH BORE NO. 27 TF 09541 58809 1TF05NE17 TFOSNE 17 No. 27. Mastin paril, on the Timber And branking . 8 day E Mts ratur and 37 chain N- 4 E 4 bridge (or land comming ?) it Seeper O.D. "just betwee 25' canton ) say 24'. Restant - Tund ick statin 3 4 0 Top soil Mottled clay Geological Survey Bluessandy day 40 219 3911-29 18:5 20 any when B. Chang. [If To] Che. is here -36"[e here], on in No. 26 - ging he of 93' for 3/4 - 20 - 112 /1-1

22

British

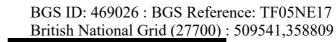
Survey

Geological

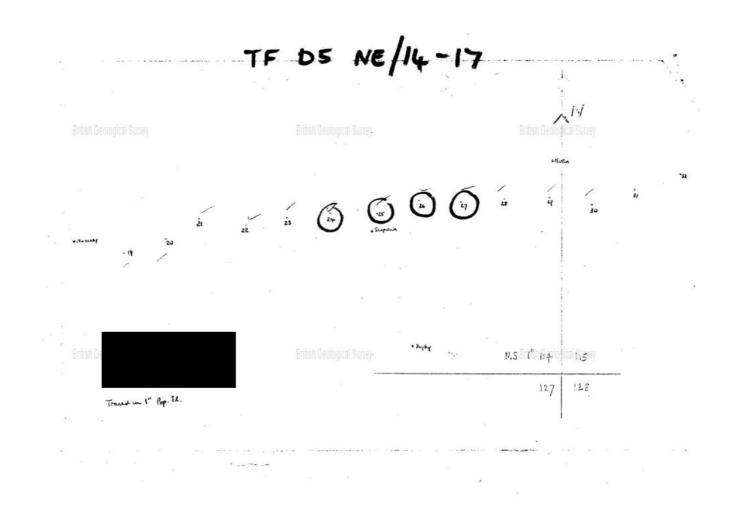
<<

Page 2 | Borehole TF05NE17 | Borehole Logs

Version 2.0.6.6



< Prev Page 2 of 2  $\checkmark$  Next > >>



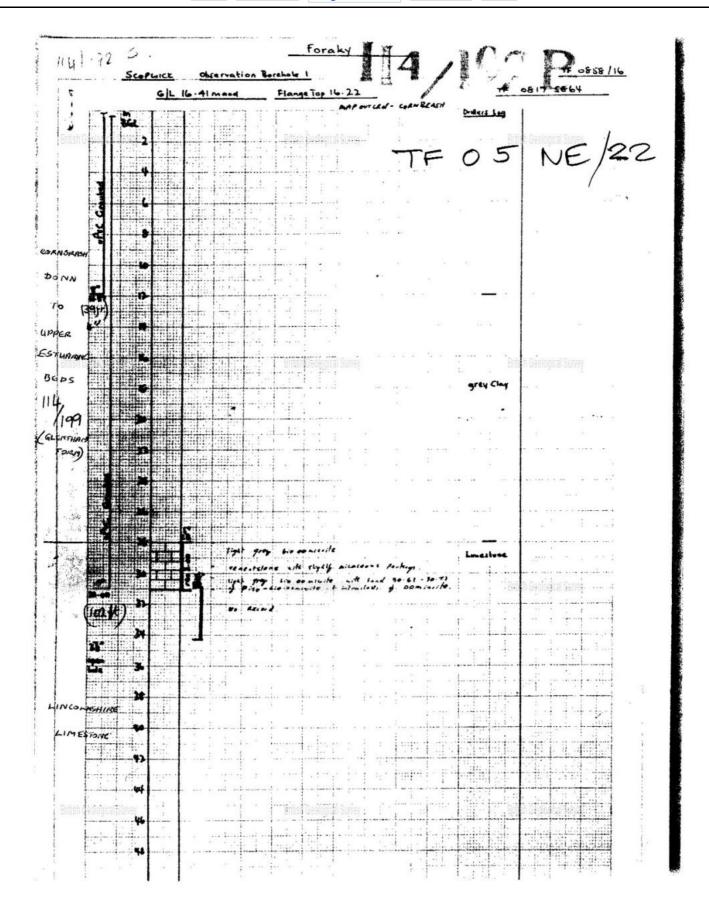
Page 1 | Borehole TF05NE22 | Borehole Logs

Version 2.0.6.6



BGS ID: 469031 : BGS Reference: TF05NE22 British National Grid (27700) : 508170,358640

<< < Prev Page 1 of 6 
 Next > >>



Page 2 | Borehole TF05NE22 | Borehole Logs

Version 2.0.6.6



<<

BGS ID: 469031 : BGS Reference: TF05NE22 British National Grid (27700) : 508170,358640

>>

< Prev Page 2 of 6 • Next >

. 2	Scoperce	Obs . Nº	114/102	B TE OFSE/16
•			1/11-	B TF 05 NE/20
			н. 1. 1	
LINSS.	i Sulley 🔊 👘		British Geological Survey	British Geological Survey
LST.	54			betteen Lont
MAHTHAM			3	· · · ·
NOISTHANTS COLEBY M		a a se	1	
59.2		-		
1191.		Drilled	W FORALY 4/5/76 -14/5	11976
Y.A.		I har	core at Appleby care stor	a. Logges P.F.C. 4/8/19.
GD				
	-79	<b>L</b>	British Geological Survey	British Geological Survey
				and stranger a
		<u> </u>	••••••••••••••••••••••••••••••••••••••	
18	<u>tristicie</u>		· · · · · · · · · · · · · · · · · · ·	·
в				
				, ,
···· 1				ana ana ana ang ang ang ang ang ang ang
ELL C LIVEL			- District Constants Distant	
itali o progra			unitari beoriginar anifar	bilisti considenci
	*			· · · · · · · · · · · · · · · · · · ·
		<u></u>		
		1		
ļ				
			i ti	
nsn Géológica i	SUNCE		<u>Election Geological Survey</u> , L	Enter Betrack Structure (1997)
1.				

Page 3 | Borehole TF05NE22 | Borehole Logs

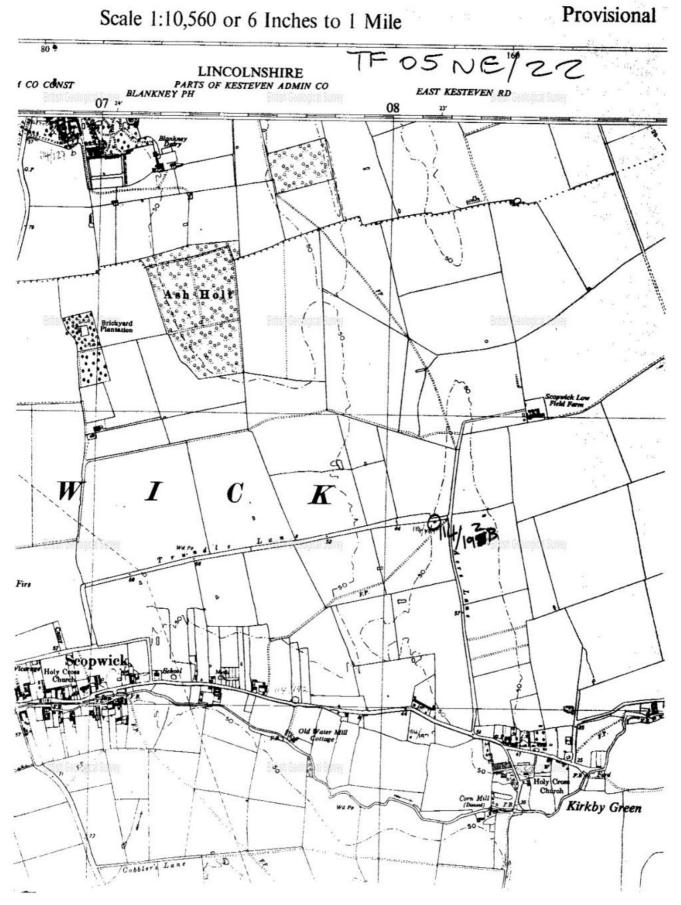
Version 2.0.6.6



<<

< Prev Page 3 of 6 🗸 Next > >> Page 3 | Borehole TF05NE22 | Borehole Logs

L DURALI



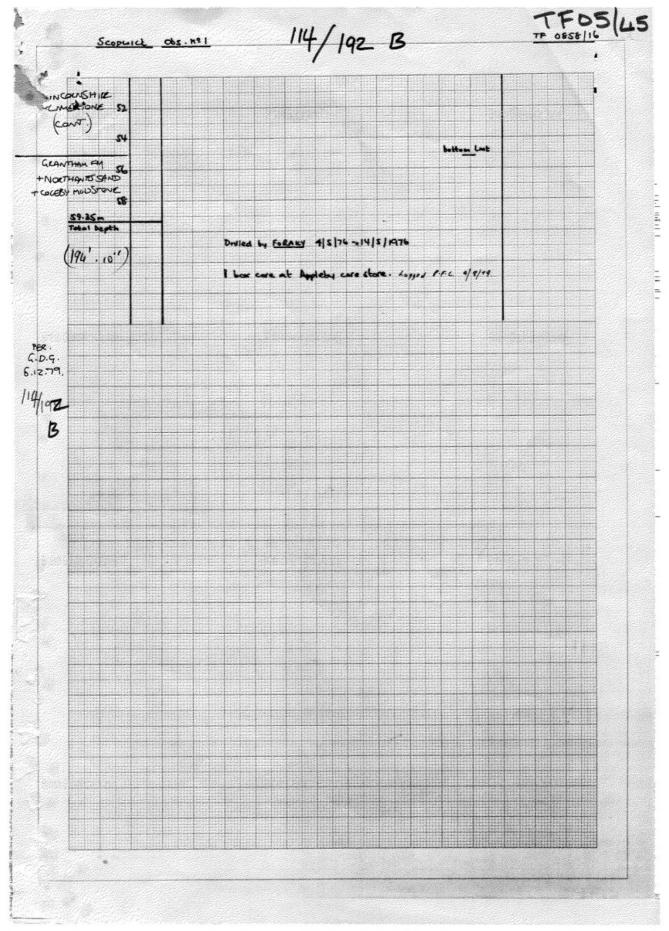
Page 5 | Borehole TF05NE22 | Borehole Logs

Version 2.0.6.6



<<

< Prev Page 5 of 6 🗸 Next > >>



Page 6 | Borehole TF05NE22 | Borehole Logs

Version 2.0.6.6



<<

BGS ID: 469031 : BGS Reference: TF05NE22 British National Grid (27700) : 508170,358640

< Prev Page 6 of 6 </p>

 Next >

Page 6 | Borehole TF05NE22 | Borehole Logs

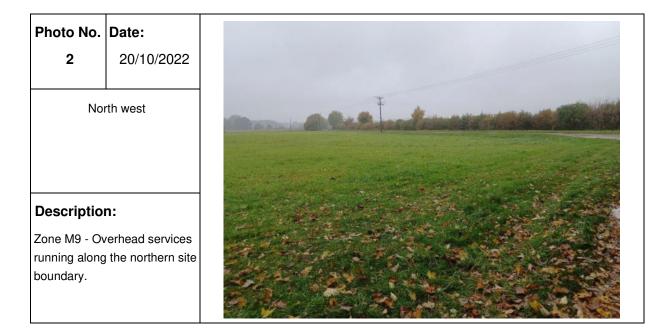




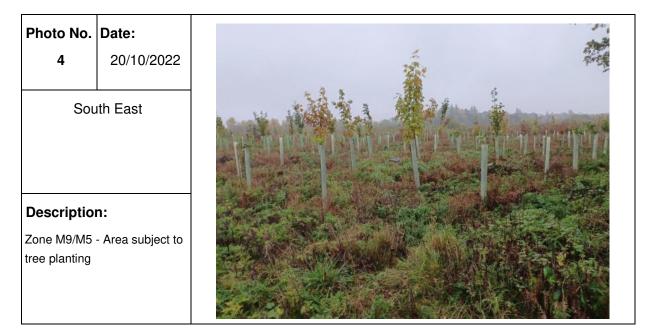
# APPENDIX F SITE RECONNAISSANCE PHOTOGRAPHS

### APPENDIX F SITE RECONNAISSANCE PHOTO LOG

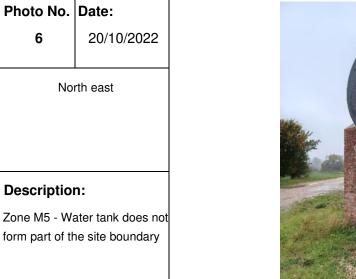
### PHOTOGRAPHIC LOG Photo no. Date: 20/10/2022 South west Description: Zone M9 - Minor road running onto the site.



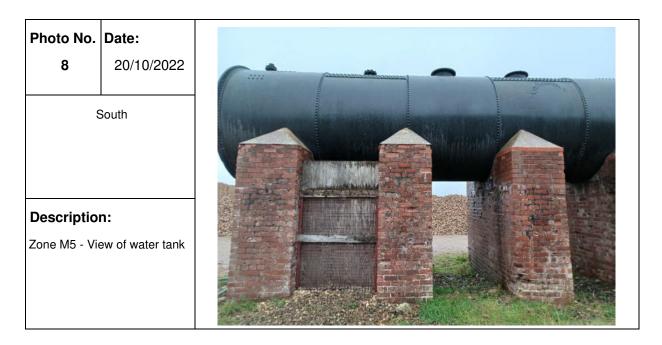
### PHOTOGRAPHIC LOG Photo no. Date: 20/10/2022 20/10/2022 East Image: Compare the side of the side. Description: Compare the side of the side.



# PHOTOGRAPHIC LOG Photo no. Date: 5 20/10/2022 North west Description: Zone M9/M5 - Field forming part of the site. Farmhouse in the distance does not form part of the site. Photo No. Date:



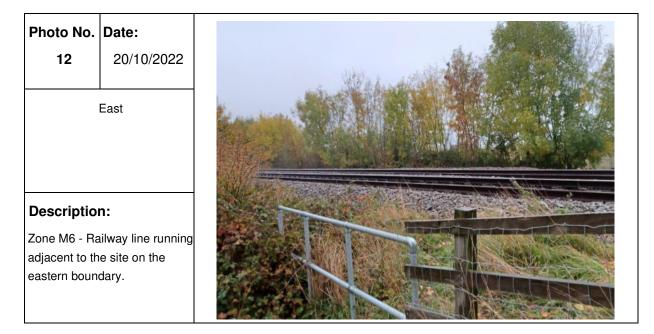
PHOTOGRAPHIC LOG						
Photo no.	Date:					
7	20/10/2022					
Descriptio	n:	THE FULL C				
Zone M5 - Ta	ap on water tank					



### PHOTOGRAPHIC LOG Photo no. Date: 9 20/10/2022 South east South east Description: Zone M5 - Remnants from a bonfire and a barn. This area doesn't form part of the site.



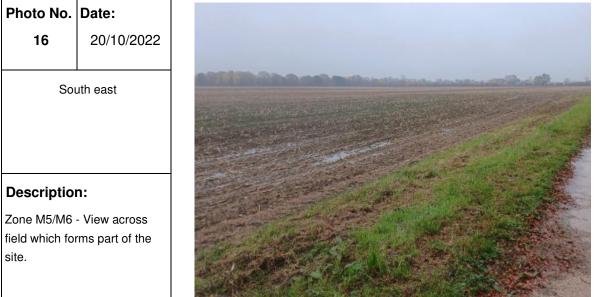
### PHOTOGRAPHIC LOG Photo no. Date: 11 20/10/2022 South west Image: Comparison of the site of the site. Description: Zone M5 - View across field which forms part of the site.



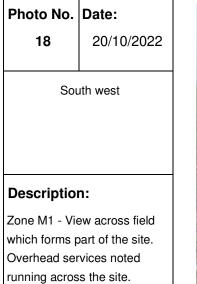
### PHOTOGRAPHIC LOG Photo no. Date: 13 20/10/2022 South west Image: Colspan="2">Colspan="2"Colspan="2">Colspan="2"







### PHOTOGRAPHIC LOG Photo no. Date: 17 20/10/2022 South east South east Description: Zone M2 - View across field which forms part of the site.







### **Description:**

Zone J14 - Small footbridge over drainage ditch.

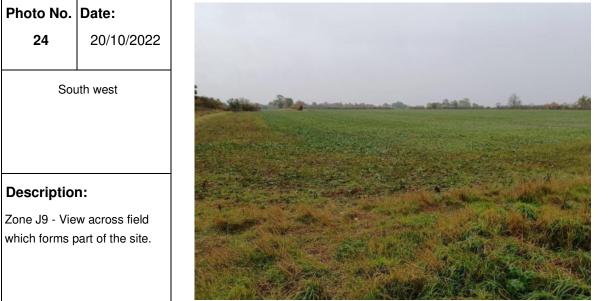


### PHOTOGRAPHIC LOG





Photo no.	Date:	and the			
23	20/10/2022				
	West	Seith.			
		K	Zana de marca	and a dead	
		TANK CONCERNE			
Descriptio	n:				
	iew across field				
which forms	part of the site.	1+122	1993 - 19 1993 - 19		
			Carl Property and	A CALLER AND	a service and the service of the ser



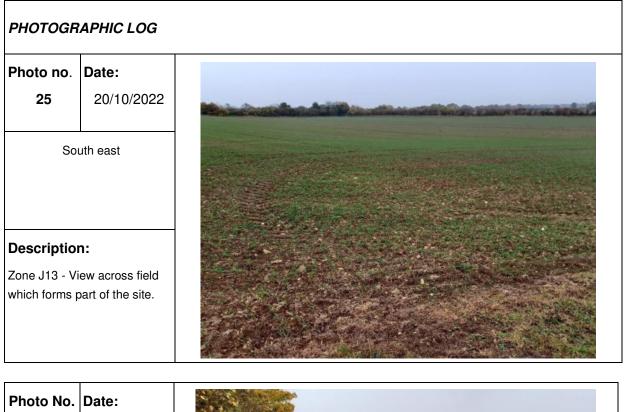


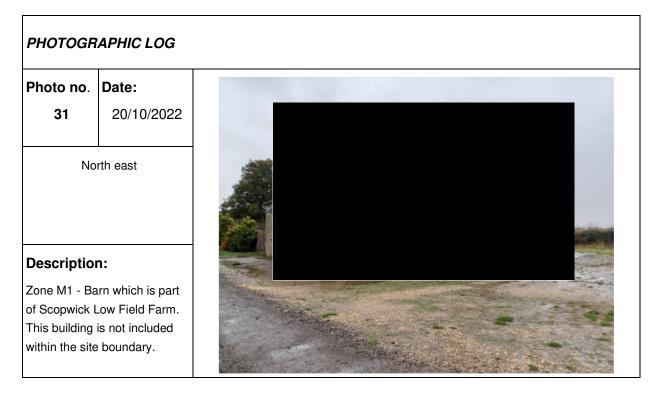


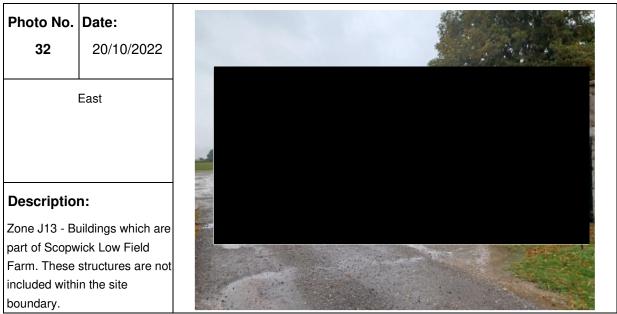




Photo no.	Date:	
29	20/10/2022	
<b>Descriptio</b> Zone I16 - U		











### PHOTOGRAPHIC LOG Photo no. Date: 35 20/10/2022 North Description: Zone L3/L4 - View across field which forms part of the site, with some waterlogging observed.



## Photo no. Date: 37 20/10/2022 Description: Zone 115 - Underground service covers noted.







### Photo no. Date: 41 20/10/2022 West Vest Description: Zone 114 - View across field which forms part of the site.



### PHOTOGRAPHIC LOG Photo no. Date: 43 20/10/2022 West West Description: Zone 114/115 - View across field which forms part of the site. Pylons noted running across the site.



Photo no.	Date:				
45	20/10/2022	100 Mar.			
	South		a street		<u>a.</u> 3.
Descriptic	on:				
	ew across field part of the site.				
			a the second and a second and		
Photo No.	Date:	in the second second		and the second	

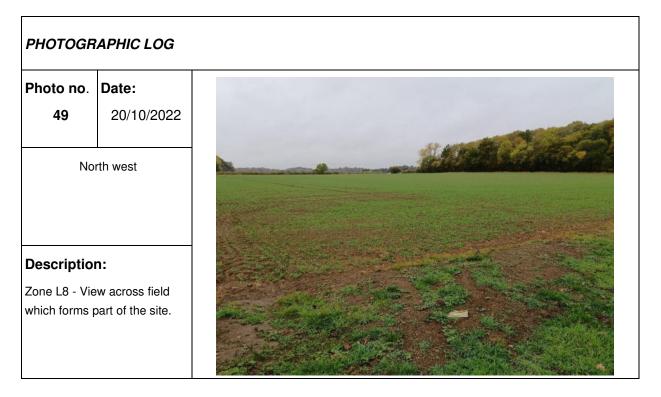
### **Description:**

Zone L6/L2 - View across field which forms part of the site. The building noted in the distance does not form part of the site.



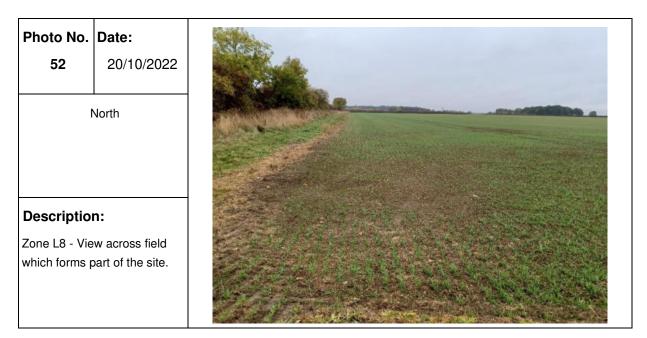
### PHOTOGRAPHIC LOG Photo no. Date: 47 20/10/2022 South South Description: Zone L7/L3 - View across field which forms part of the site. Overhead services noted running across the site.







### PHOTOGRAPHIC LOG Photo no. Date: 51 20/10/2022 South east South east Description: Zone L4/M1 - View across field which forms part of the site.



PHOTOGR	APHIC LOG	
	Date: 20/10/2022	
53	East	
<b>Descriptio</b> Zone M5 - Ba which does n site.		

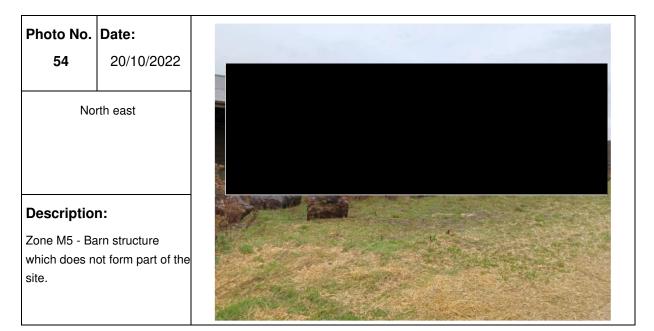


Photo no.	Date:				
55	20/10/2022	an Williams			
	South		-		
					Constanting of the
Descriptio	n:			Sales	
	- View across				
field which fo site.	rms part of the				S. Madazan P.
					16-18
<b>.</b>					
Photo No.	Date:				
56	20/10/2022				

 Jo
 20/10/2022

 North east

 Description:

 Zone I10 - View across field

 which forms part of the site.

 Residential homes do not form

 part of the site.









North west

Description:

Zone I9/H12 - View across field which forms part of the site.



### Photo no. Date: 61 21/10/2022 West West Description: Zone 19/H12 - View across field which forms part of the site. Underground services noted.





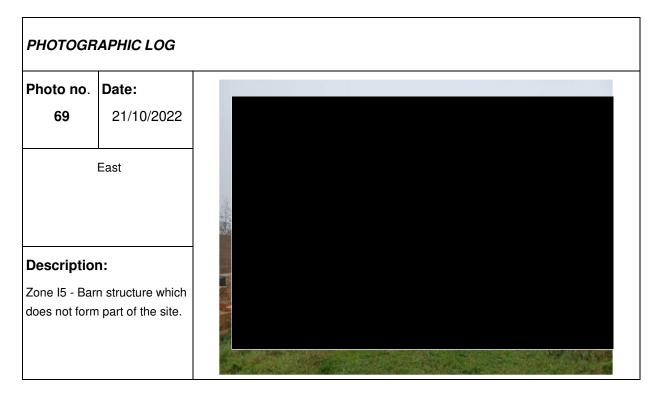


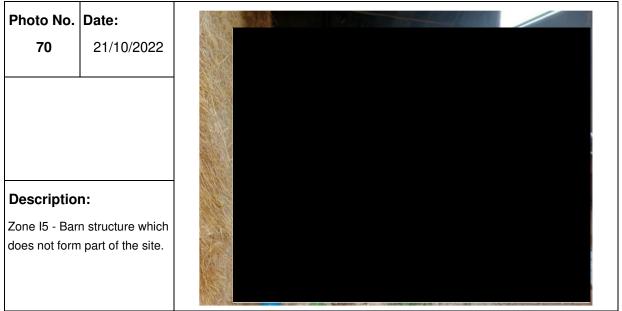
















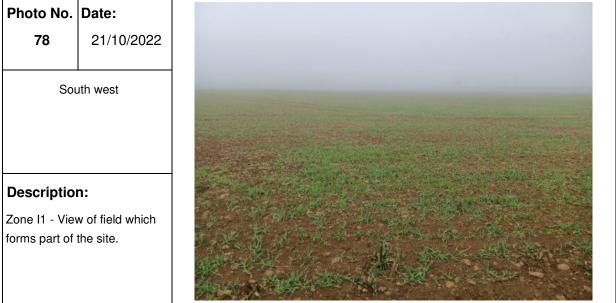
APHIC LOG	
Date:	
21/10/2022	
North	
n:	
s pipeline marker	
	Date: 21/10/2022 North



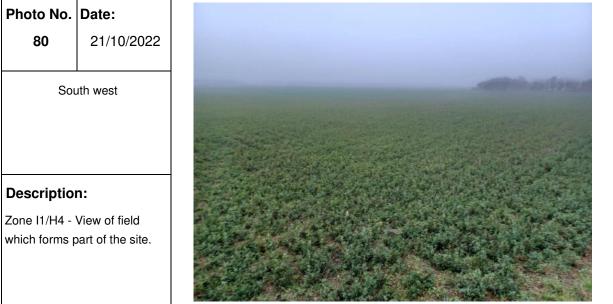




Photo no.	Date:			
77	21/10/2022			
	East			La ba
			A MAR	4
				Billion Robert
Descriptio	n:			
Zone 17/110 -				
which forms	part of the site.			IN THE OWNER









South west

**Description:** 

Zone H4 - View of field which forms part of the site.

PHOTOGR	APHIC LOG	
Photo no.		
83	21/10/2022	
	East	
Descriptio	n:	
Zone F13 - V forms part of	iew of field which the site.	



# PHOTOGRAPHIC LOG Photo no. Date: 21/10/2022 South South South South Description: Zone F13 - View of field which forms part of the site. Output the site.

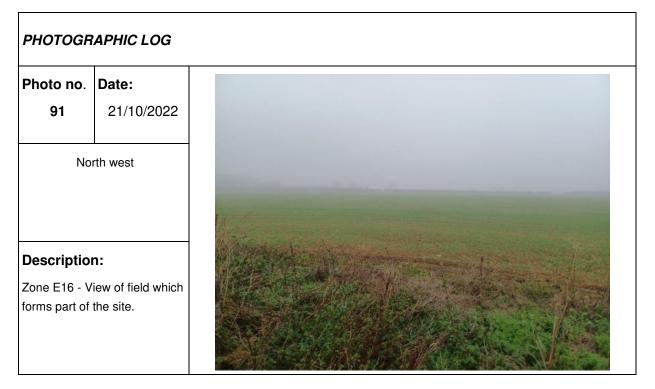


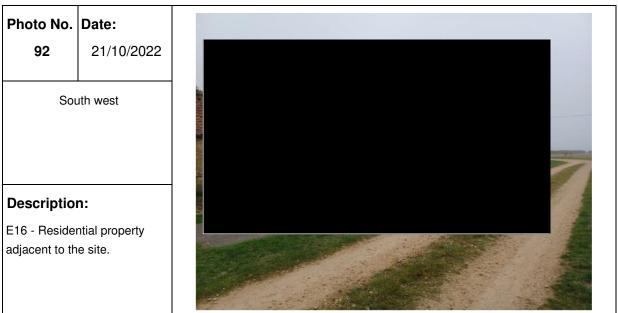
# Photo no. Date: 87 21/10/2022 South South Description: Zone F13/F9 - View of field which forms part of the site.



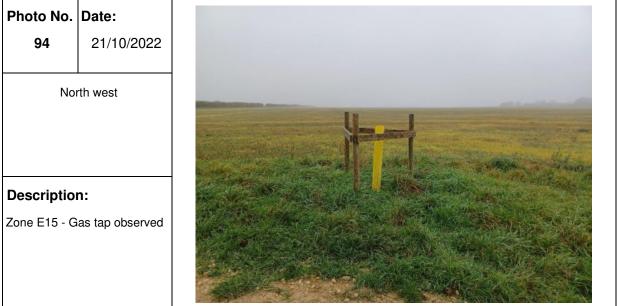
### PHOTOGRAPHIC LOG Photo no. Date: 89 21/10/2022 North Description: Zone E16 - View of field which forms part of the site. Overhead services present running across the site.



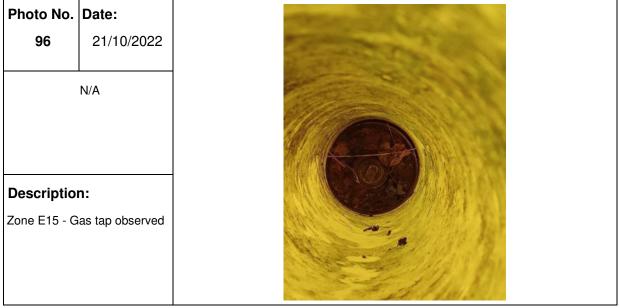




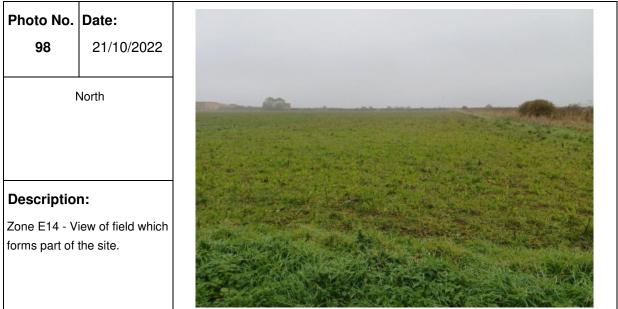




PHOTOGRA	APHIC LOG
Photo no. 95	Date: 21/10/2022
V	Vest
Description	
Zone E15 - Vie forms part of th	ew of field which he site.







PHOTOGF	RAPHIC LOG		
Photo no.			
99	21/10/2022		
	East		
		a second de	
Descriptio		and a state of the	
Zone H2 - Ha	aybale stacks.		

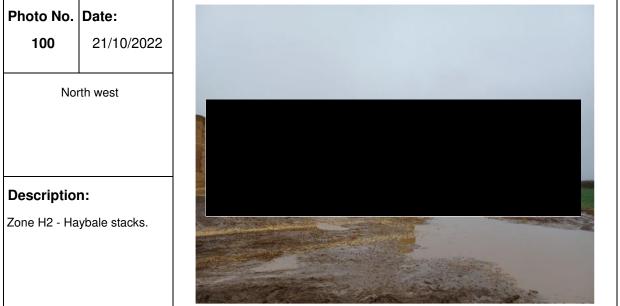




Photo No.
Date:

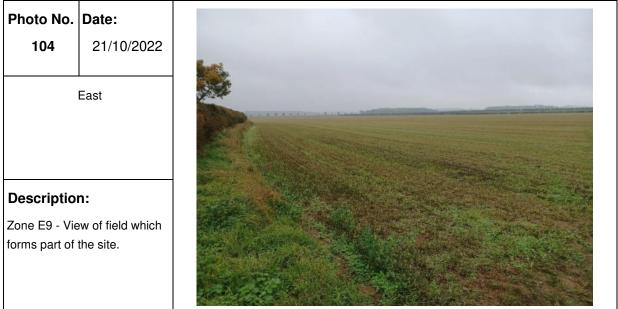
102
21/10/2022

South west

Description:

Zone E13/E14 - View of field which forms part of the site.





PHOTOGRAPHIC LOG				
Photo no. 105	Date: 21/10/2022			
So	uth east			
Descriptio Zone E10 - V forms part of	iew of field which			



PHOTOGR	RAPHIC LOG	
Photo no.	Date:	
107	21/10/2022	
	N/A	
Descriptio	n:	
Zone E9 - Ur service notec		





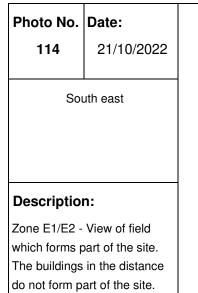


### PHOTOGRAPHIC LOG



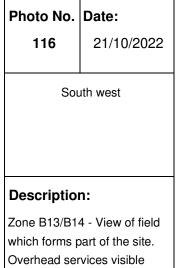












running through the site.



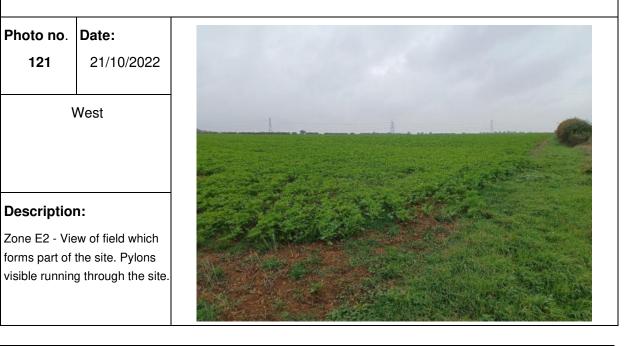
## PHOTOGRAPHIC LOG Photo no. Date: 117 21/10/2022 South South Description: Zone B14 - View of field which forms part of the site. Pylons visible running through the site. Discription:

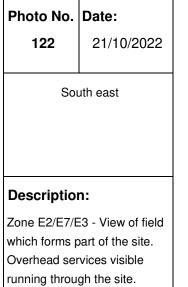


# PHOTOGRAPHIC LOG Photo no. Date: 119 21/10/2022 South South Description: Zone B15 - View of field which forms part of the site. Pylons visible running through the site.



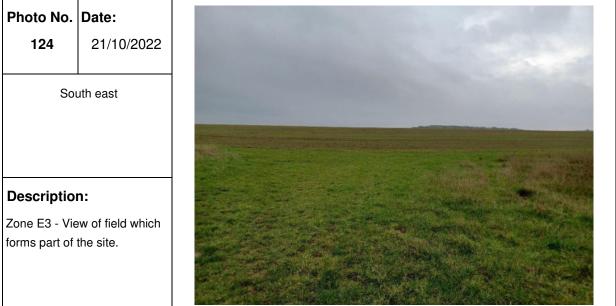
### PHOTOGRAPHIC LOG











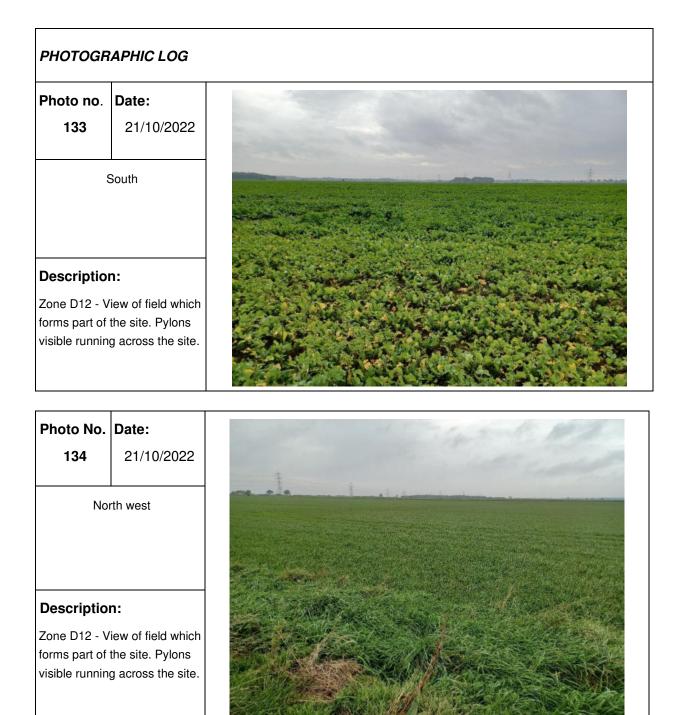
### PHOTOGRAPHIC LOG Photo no. Date: 125 21/10/2022 North Image: Colspan="2">Image: Colspan="2" Image: Colspan="



PHOTOGR	APHIC LOG	
Photo no. 127	Date: 21/10/2022	
	North	
Descriptio		
which forms	6 - View of field part of the site. e running through	
Photo No.	Date:	Martin Contraction of the second
128	21/10/2022	
	West	
Descriptio	n:	
Zone A16 - View of field which forms part of the site.		

PHOTOGR	APHIC LOG
Photo no. 129	Date: 21/10/2022
Noi	rth east
Description	
Zone A16 - A hardstanding. running throu	. Pylons visible
Photo No.	Date:
130	21/10/2022
Description	n:
form part of th	ew of fields which he site. Pylons g through the





PHOTOGR	PHOTOGRAPHIC LOG				
Photo no. 135	Date: 21/10/2022				
No	orth east				
Descriptio	n:				
Zone D11 - F running acros					



### APPENDIX G TECHNICAL BACKGROUND

### G1 Desk Study

### Aquifer designation and Source protection zones

Principal aquifer: layers of rock or drift deposit that have high intergranular and/or fracture permeability (usually providing a high level of water storage). They may support water supply and/or river base flow on a strategic scale.

Secondary A aquifer: permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.

Secondary B aquifer: predominantly lower permeability layers that may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering.

Secondary undifferentiated aquifer: it has not been possible to attribute either a category A or B to a rock type. In most cases this means that it was previously designated as both a minor and non-aquifer in different locations owing to the variable characteristics.

Unproductive' strata: low permeability with negligible significance for water supply or river base flow.

The EA generally adopts a three-fold classification of source protection zones (SPZ) surround abstractions for public water supply. The Site is situated in an area defined as follows:

- Zone 1 or the 'inner protection zone' is located immediately adjacent to the groundwater source and is based on a 50-day travel time from any point below the water table to the source. It is designed to protect against the effects of human activity and biological/chemical contaminants that may have an immediate effect on the source
- Zone 2 or the 'outer protection zone' is defined by a 400-day travel time from a point below the water table to the source. The travel time is designed to provide delay and attenuation of slowly degrading pollutants
- Zone 3 or the 'total catchment' is the area around the source within which all groundwater recharge is presumed to be discharged at the source.

### Preliminary risk assessment methodology

LCRM outlines the framework to be followed for risk assessment in the UK. The framework is designed to be consistent with UK legislation and policies including planning. An outline conceptual model should be formed at the preliminary risk assessment stage that collates all the existing information pertaining to a site in text, tabular or diagrammatic form. The outline conceptual model identifies potentially complete (termed possible) contaminant linkages (contaminant–pathway–receptor) and is used as the basis for the design of the site investigation. The outline conceptual model is updated as further information becomes available, for example as a result of the site investigation.

Production of a conceptual model requires an assessment of risk to be made. Risk is a combination of the likelihood of an event occurring and the magnitude of its consequences. Therefore, both the



likelihood and the consequences of an event must be taken into account when assessing risk. RSK has adopted guidance provided in CIRIA C552 for use in the production of conceptual models.

The likelihood of an event can be classified on a four-point system using the following terms and definitions based on CIRIA C552:

- highly likely: the event appears very likely in the short term and almost inevitable over the long term or there is evidence at the receptor of harm or pollution
- likely: it is probable that an event will occur or circumstances are such that the event is not inevitable, but possible in the short term and likely over the long term
- low likelihood: circumstances are possible under which an event could occur, but it is not certain even in the long term that an event would occur and it is less likely in the short term
- unlikely: circumstances are such that it is improbable the event would occur even in the long term.

The severity can be classified using a similar system also based on CIRIA C552. The terms and definitions relating to severity are:

- severe: short term (acute) risk to human health likely to result in 'significant harm' as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resources. Catastrophic damage to buildings or property. Short-term risk to an ecosystem or organism forming part of that ecosystem (note definition of ecosystem in 'Draft Circular on Contaminated Land', DETR 2000)
- medium: chronic damage to human health ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000), pollution of sensitive water resources, significant change in an ecosystem or organism forming part of that ecosystem
- mild: pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000). Damage to sensitive buildings, structures or the environment
- minor: harm, not necessarily significant, but that could result in financial loss or expenditure to resolve. Non-permanent human health effects easily prevented by use of personal protective clothing. Easily repairable damage to buildings, structures and services.

Once the probability of an event occurring and its consequences have been classified, a risk category can be assigned according to the table below.

		Consequences				
		Severe	Medium	Mild	Minor	
	Highly likely	Very high	High	Moderate	Moderate/low	
Probability	Likely	High	Moderate	Moderate/low	Low	
	Low likelihood	Moderate	Moderate/low	Low	Very low	
	Unlikely	Moderate/low	Low	Very low	Very low	



Definitions of these risk categories are as follows together with an assessment of the further work that may be required:

- very high: there is a high probability that severe harm could occur or there is evidence that severe harm is currently happening. This risk, if realised, could result in substantial liability; urgent investigation and remediation are likely to be required
- high: harm is likely to occur. Realisation of the risk is likely to present a substantial liability. Urgent investigation is required. Remedial works may be necessary in the short term and are likely over the long term
- moderate: it is possible that harm could arise, but it is unlikely that the harm would be severe and it is more likely that the harm would be relatively mild. Investigation is normally required to clarify the risk and determine the liability. Some remedial works may be required in the longer term
- low: it is possible that harm could occur, but it is likely that if realised this harm would at worst normally be mild
- very low: there is a low possibility that harm could occur and if realised the harm is unlikely to be severe.



### APPENDIX H PRELIMINARY UXO ASSESSMENT

### **STAGE 1 PRELIMINARY UXO RISK ASSESSMENT**

REPORT REF: PRA-22-1948 | Revision: 0

### Client: RSK

Project:Land at Ashby de la Launde and Scopwick, LincolnshireDate:08/11/2022

### INTRODUCTION

The Stage 1 Preliminary Risk Assessment is an initial screening assessment designed to highlight any sources of unexploded ordnance (UXO) with the potential to contaminate a given site.

The aim of the Stage 1 assessment is to identify or discount the need for further detailed research - a Stage 2 Detailed UXO Risk Assessment.

This desktop assessment has been researched and written by a dedicated Researcher / Risk Assessor and produced in accordance with the CIRIA C681 Guidelines: 'Unexploded Ordnance, a Guide for the Construction Industry' (published in 2009).

In preparation for this assessment, original wartime records, historic OS mapping and the *Brimstone UXO Sources Database* have been reviewed. The latter incorporates multiple datasets plotting the positions of a variety of domestic military sites and confirmed historic German bombing targets.

The Stage 1 Preliminary Risk Assessment considers the following:

- 1. The Proposed Works
- 2. Enemy Action during WWI and WWII
- 3. British / Allied Military Activity
- 4. Historic Site Occupancy
- 5. Risk Mitigating Factors

### THE SITE

The Site (approximately centred on the National Grid Reference TF 05010 55383) is located in Lincolnshire, between Metheringham and Cranwell Village. The Site measures approximately 10.1km from its most south-western and north-eastern points.

The Site comprises a large area of almost entirely undeveloped open ground, likely used agriculturally, as well as several wooded areas. Roadways and groups of farm buildings are also interspersed throughout the Site.

The Site is largely bound by similar terrain; open land likely used for farming. Railway sidings bind a section of the Site to the east, and the villages of Blankney, Scopwick, Kirkby Green and Ashby de la Launde are also located in relatively close proximity to the Site boundary. RAF Digby, a current military base, is situated to the immediate west of the Site.



### THE PROPOSED WORKS

While GI works will be carried out on Site in the future, no information regarding the specific works was available at the time of writing.

Development works on Site comprise the construction of a solar farm.

ENEMY ACTION DURING WWI AND WWII				
Potential Source of UXO	Significant?	Details		
WWI German Bombing	×/√	On 12 <sup>th</sup> /13 <sup>th</sup> April 1918, Zeppelin L 63 dropped a 100kg HE bomb in a field at Blankney Park (located immediately north of the Site) before heading north, away from the Site.		

### 

Suite 6, Delta House, Laser Quay, Culpeper Close, Rochester, ME2 4HU

WWII German Bombing	✓	British District Bombing Density Statistics	The Site was formerly located within the WWII-era Rural District of East Kesteven which sustained 2.4 bombs / 1,000 acres, a very low bombing density.
		Evidence of bomb strikes / damage	Information obtained from the Sleaford Gazette, pertaining to how many air raids affected individual settlements in the region, indicates that many air raids affected the wider study area. Six air raids affected Scopwick and two affected Ashby de la Launde, both located in close proximity to the east of the Site, while four affected Blankney, situated to the north. Evidence also indicates that RAF Digby, located immediately to the west of the Site, was bombed on several occasions. No evidence of bomb damage has been identified on the Site; however, records are limited at this stage, with no available aerial photography, thereby prohibiting analysis of ground conditions.
		Local Bombing Decoy Sites	The closest was located approximately 3.7km to the south- east of Site.
		Local German Bombing Targets	There is no evidence of any primary Luftwaffe targets in the vicinity of the Site. However, given the numerous bomber airfields in Lincolnshire, as well as the presence of several such airfields in the vicinity of the Site, including RAF Digby immediately to the west, it is possible that enemy aircraft deliberately targeted the local area.
WWII German Cross Channel Artillery Shelling	×	n/a	
BRITISH / ALLIED MILITARY ACTI	VITY		
Potential Source of UXO	Significant?	Details	
WWII Home Guard (HG) activity	×/√	Soldiers of the 2 <sup>nd</sup> East Kesteven (Sleaford) Home Guard (HG) Battalion may have been responsible for defending the study area during WWII. The possibility that the Site was accessed by armed HG soldiers cannot be discounted at this stage, given its undeveloped nature.	
Site requisitioned for wartime military use	×/√	No such evidence found at this stage. However, given the presence of several RAF stations in the vicinity, including partially within and immediately to the west, military activity on Site cannot be entirely ruled out at this stage.	
Existing or historic Army or RAF training area / weapons range	×/√	No such evidence found at this stage. However, given the presence of RAF Digby partially within and immediately to the west of the Site, it cannot be ruled out that aircraft or infantry training has taken place at this stage.	
		None wholly recorded on Site; however, RAF Digby was situated partially within and immediately to the west. The true extent of the airfield during WWII cannot be accurately deduced without historical aerial photography and airfield station plans.	
Existing or historic military bases and other installations	×/√	and immediately to be accurately dedu	the west. The true extent of the airfield during WWII cannot
	×/√ ×	and immediately to be accurately dedu	the west. The true extent of the airfield during WWII cannot

Existing or historic military defensive fortifications	$\checkmark$	An in-house geo dataset records two pillboxes, likely associated with RAF Digby, within the west of the Site. Additional pillboxes lie within the perimeter of the former airfield.	
WWII light and / or heavy anti- aircraft (LAA and HAA) fire	×/√	Two HAA batteries were established within a 15km radius of the Site, whilst LAA batteries likely defended the airfields in the vicinity as well, with at least one recorded at RAF Digby approximately 140m to the west of the Site. Luftwaffe raids in the region were somewhat frequent, although not particularly intense, and therefore these guns may have expended ammunition over the wider area. It is possible that an unexploded AA shell struck the Site.	
WWII pipe-mined locations and beach minefields	×	n/a	
SITE HISTORY	-		
What was the Site occupancy historically, especially during WWI and WWII?	WWII-era OS mapping indicates that the composition of the Site was largely similar to the present day, mainly comprising undeveloped open land, wooded areas, and farmsteads.		
RISK MITIGATING FACTORS			
Post-conflict ground works	There do not appear to have been any significant ground works across the Site since WWII. The laying of hardstanding for new roadways and the ploughing of agricultural land may have disturbed the soil to very shallow depths (<1m bgl).		
Likelihood of UXO remaining	The risk associated with (any) deep (>2m bgl) or shallow (1-2m bgl) buried German UXBs and HAA shells will not have been mitigated across the Site. The risk associated with (any) very shallow buried UXO, including Allied SAA/LSA and HAA shells, will have been partially mitigated.		
CONCLUSIONS	1		

### German UXO:

- The Site was formerly located within the WWII-era Rural District of East Kesteven which sustained 2.4 bombs / 1,000 acres, a very low bombing density. Despite this, the presence of several airfields in the vicinity of the Site, including immediately adjacent to the west, as well as a bombing decoy approximately 3.7km to the south-east, may have elevated the local bombing density. Indeed, anecdotal evidence indicates that villages in close proximity to the Site boundary sustained bombing on several occasions each, with RAF Digby also noted to have been targeted on occasion.
- Given that the Site appears to have mainly comprised undeveloped open land during WWII, evidence of UXBs is likely to have been less noticeable; the entry hole of a 50kg UXB could be as little as 20cm in diameter. Furthermore, access is likely to have been less frequent in comparison to a house or roadway, for example, reducing the likelihood of UXBs being observed at the time.
- In summary, there is evidence of air raids affecting areas in close proximity to the Site, indicating that enemy aircraft likely flew over the Site on multiple occasions. Furthermore, conditions on Site are typically unconducive to the detection of UXBs. A necessarily macro-scale approach has been taken with this assessment given the size of the Site. While specific areas of the Site may be at a greater or lesser risk of contamination with UXO than others, given the lack of available records at this stage, it has not been possible to discount the potential German UXO contamination on Site. It would therefore be considered prudent to investigate available written records and aerial photography to assess the risk accurately.

### British / Allied UXO:

- RAF Digby was located partially within and immediately to the west of the Site during and after WWII. An in-house geo dataset records two pillboxes, two aircraft disposal pens, and a loopholed wall, all likely associated with the airfield, within the Site boundary. Given the undeveloped nature of the Site, it cannot be ruled out that military activity in the form of ad hoc training exercises or the storage/disposal of ammunition may have taken place in this area of the Site. Given this, the risk from Allied UXO is considered to be elevated above the background level for Lincolnshire.
- It is quite possible that an unexploded British AA shell struck the Site during WWII and penetrated to a shallow depth. Any such item could have been overlooked and remain in situ.

RECOMMENDATION(S)	
SI Works	A Stage 2 Detailed Dick Assessment is recommended to access the rick to the proposed works
Development Works	A Stage 2 Detailed Risk Assessment is recommended to assess the risk to the proposed works.



### springwellsolarfarm.co.uk

Application Document Ref: EN010149/APP/6.3 Planning Inspectorate Scheme Ref: EN010149