

hydrogeological Services International Limited	Clier		N <u>RA (</u> 4	-				-			_3	
172b Epsom Rood, Guildford, Surrey, GUI 2RR. UK Telephone: 01483 504221 Fax: 01483 35759	Proj	ect 1	Monit		drolog	ICO		-	_	Bh:	_P1	
Contractor: <u>Norwest Holst</u> Equipment: <u>Pilkon Wayfarer</u> Method: <u>SHELL& AUGER</u>	Grid		 	G 3		13	9	_			Dates: 4 10 7 10	195
DESCRIPTIVE LOG	LECEND	DEPTH	DEPTH		LLATIONS	3dVL	PLE	THE JUL	ST 9	WATEER INTERSECT.	FLUSH RETURNS	DRILLING
0.0.1 Black peaty sandy soil. 0.1-0.3 Brown clayey sand.	-	F	0.2		P'V!	D	1					
0.3-0.85 Orange brown sand with a little clay. Sand is rounded quartz - medium grains.			0.4	5.0m	0.5m	D	Nn			♦ 0.75	×.	
1-1 - Stiff grey clay		<u> </u>	-1.1	1	1	D	4			0.85		
1.5 - Brown sand		E	1.4	w a	m2.5-2.	D						
		E		5.54	1.0							
2.2 - Light brown fine grained sand with some day.		2	2.20	CASING 0.54m agl-	BENTONITE CEMENT	D	6					
2.65 - Brown grey interlayered		-	2.65	Ŭ	- AL	D	7					
fore graunea sand and clay		3	2.95		-	D	8					
2.95 Orange brown fine grained micaceous sandy clay with dark red/brown iron rich spot				BLANK	3.5 m							
3.95 Orange brown dayey cand.		-4	-3.95	HDPE	4.0m	P	٩					
5.30 Crange brown clayey Sand - fine grained		5	· 4·95	DWX BENT	• • • • • •	Ð	10					
		6	5.95	P 5.0-9.	9 W 9	Ð	11					
* .		-7	6.95	TILE WRAN	4.0 ~ 9.	Ð	12					
		8	7.95	SLOTTE	GRAVEL	Ð	13					
Soft grey day.			8.95	×.	0 0	PP	14					
		10		0 9.9	0 0							
Sample Key Test Key D = disturbed sample b = bailer te	el		Notes:							RECO	RDED	BY
B = bulk disturbed sample c = constant U = unconsolidated sample f = falling he	head test										-M1	
C = cored sample p = packer to W = water sample e = conduction										CULL	T1 of	~

hydrogeological Services International Limited			Anglian Regi	-					_3	
172b Epsom Rood, Guildford, Surrey, GU1 2RR. UK Telephone: 01483 504221 Fax: 01483 35759	Project	Monit	ds_Hydrolog oring	ical		-		Bh:	<u>- P</u> .	
Contractor: <u>Norwest Holst</u> Equipment: <u>Pilkon Wayfarer</u> Method: <u>SHELL & Auger</u>		_1	ATFIELD F	mA	9 0D	-		_2	Dotes: 4 / 10 7 / 10	195 /95
DESCRIPTIVE LOG	DEPTH	DEPTH	INSTALLATIONS	SAM 34M	PLE S	THE 3dAL	No.	WATEER INTERSECT.	FLUSH RETURNS	DRILLING
Soft plastic grey clay.			SPACE A	P	17					
Coarse gravel with large cobbles and shell fragments.			11.35 m	σ	18					
Sample Key Test Key D = disturbed sample b = bailer test	el	Notes	;		1			RECO	RDED	BY
B = bulk disturbed sample c = constant U = unconsolidated sample f = falling he	head test ad test							А	M	H
C = cored sample p = packer te W = water sample e = conductive	est							SHEE	T2 of	2

Hydrogeological Services International Limited 172b Epson Rood, Guildord, Surrey, GU1 2RR. UK Telephone: 01483 504221 Fax: 01483 35759		<u>IRA (Anglian Region)</u>	Site: <u>33</u>
Contractor: <u>Norwest Holst</u> Equipment: Method: <u>Hand Auger</u>	Grid Ref:	Monitoring _CATFIELD FEN	Doles: _ 25/10/95 _ 25/10/95
DESCRIPTIVE LOG	LECEND		No. A WATEER INTERSECT. FLUSH RETURNS DRALLING
Soil - black peaty organic rich. Black sandy clayey peat with root matter Grey sandy clay with roots Light brown medium grained cand. Callapsing sand			No Rise 0.65
Sample KeyTest KeyD = disturbed sampleb = boiler teB = bulk disturbed samplec = constantU = unconsolidated samplef = folling heC = cored samplep = packerW = water samplee = conducti	heod lest eod lest est	BENTONITE PRILETS 0.25-0.4m	RECORDED BY A-MH SHEET [of [

Hydrogeological Services International Limited 172b Epsom Rood, Guildford, Surrey, GU1 2RR. UK Telephone: 01483 504221 Fax: 01483 35759	Clier Proj	ect M		nglion Regi ds Hydrologi bring			-			- <u>3</u>	
Contractor: <u>Norwest Holst</u> Equipment: Method: <u>HAND_Auger</u>	Grid		_T(TFIELD FE	13	1	_		2	Dates: 5/10 5/10	195
DESCRIPTIVE LOG	LEGEND	DEPTH	OEPTH	INSTALLATIONS	SA JUL	PLE 2		ST 2	WATEER INTERSECT.	FLUSH RETURNS	DRILLING
Black organic rich peat Sludgy black organic rich peat. N.B -auger could be driven into Sm but hole only stayed open to 1.5m. Peat to 3m		0.2 0.4 0.4 0.6 0.8 1.0 1.0 1.2 1.2	0.7	3 0 <td>Þ</td> <td>7</td> <td></td> <td></td> <td>↑0-1 0-18</td> <td></td> <td></td>	Þ	7			↑ 0-1 0-18		
Sample KeyTest KeyD = disturbed sampleb = boiler teB = bulk disturbed samplec = constantU = unconsolidated samplef = falling heC = cored samplep = packer t	head ead les		Notes							rded - M	
W = water sample $p = pocker tW = conductive$	vity tes	t							SHEE	T1 of	1

(JD) Soil Mechanics								TG3270F
Equipment & Methods	1 Lauretine b	1. 9	118/28	Sheet	1 of 4	_		
Cable tool boring in 150mm diameter to a depth of 12.00m.	Location M	vD. C	10/20					
Standpipe piezometer installed.	country	S	ITE 33, C.	ATFIELD FE	N			
Carried out for	Ground L	evel		Coordin	ates		1. 16 () () () () () () () () () (Date
ENVIRONMENT AGENCY	1.477			3777 ml				10/07/97
			11 - 1	2039 ml			-	-
Description	Reduced	Legend	Depth	S	imples/1			Field Records
	Level		(Thick)	Depth		nple	Test	Field Records
	1,477				Туре	No.		
(soft) Dark brown sandy CLAY with some subangular to subrounded fine to coarse gravel	, and		(0.70)					
of flint and occasional plant rootlets.				0.50	: 0	1		
(TOPSOIL)	0.78		0.70		i i	1		
		7-1	(0.50)	1.10	D	2		
(soft) Dark brown very sandy CLAY with some	0.28		1.20		-			
subangular to subrounded fine to medium gravel of flint and occasional plant rootlets.		1111	1.					
		1.10		1.70	D	3		
		1.4.1	1					
		473	:					
Brown clayey medium to coarse SAND with some				2.50	w	5		
subangular to subrounded fine to coarse gravel		2017	(2.60)	2.70	D	4		
of flint and occasional plant rootlets.			2 5					
-			E.					
		÷	L.		1			
		···	-	0.70	-			
	-2.32		3.60	3.70	D	6		
			1					
		ò	1.1.1					
Brown yellow medium to coarse SAND with some		0						
subangular to subrounded fine to coarse gravel of flint.	1	D	(1.90)	4.70	D	7		
Si filite		•	L'IIII					
		0						
		٥.	÷					1
	4.22	0	5.70	5.70	D	8		
	4.22	X.	5.70					
Brown grey silty medium to coarse SAND with			-					
some subangular to subrounded fine to coarse		*	(1.00)					
gravels of flint.	1	×			1			
	-5.22		6.70	6.70	D	9		
		1.19			1			
Brown yellow medium to coarse SAND with some		1.11	1			1		
subangular to subrounded fine to coarse gravels			(2.00)	7.70	D	10		
of flint.		W. 1			1			
		·	2		1			
					1			
	-7.22 -	14	8.70	8.70	D	11		
	-1.22 =	T	0.70		1			
rown slightly slovey fine to medium CAND with								
Brown slightly clayey fine to medium SAND with I little subangular to subrounded fine to			(1.30)					
nedium gravel of flint.				0.70		10		
		-		9.70	D	12		
nom a dez	-8.52		10.00					
Remarks								Logged by
								AB
								Scale 1:50
otes:					(e) S	all Mash	anics (Ver	6.0) Fig.

D Soil Mechanics			Sheet		. NTG3270P4
Equipment & Methods	Location No.	8118/28	Gidet		
As sheet 1	Location	SITE 33, CA	ATFIELD FE	N	
Carried out for ENVIRONMENT AGENCY	Ground Level		Coordina As shee		Date
Description	Reduced Legend			mples/Tests Sample	Field Records
See sheet 1	8.62 x	(Thick) (0.10) 10.10	Depth	Type No.	Test
	×		10.70	D 13	
Grey brown clayey fine to medium silty SAND with a little subangular to subrounded fine to nedium gravel of flint.	x -x - x	(1.90 pen)			
	10.52 X	12.00 -	11.70	D 14	
BOREHOLE ENDS AT 12.00 m.	10.52	12.00 -			
		-			
	8				
emarks					Logged by AB
				(c) Soil Mechanic	Scale 1:50 Fig.

D Soil Mechanics					ehole No	. NIG	5210
pment & Methods	Location No.	8118/2	8	Sheet 3 d	of 4		
	Location No.	0110/2					
As sheet 1		SITE 3	3, CATFIE	LD FEN			
ed out far	Ground Leve	4		Coordinate		Dat	_
RONMENT AGENCY	Ground Leve	n		s sheet		Uan	e
				a sneet	1		_
Water Level Observations During Boring Depth of Depth of Depth to Date Time Hole Casing Water Remark		Depth		ameter of	er by Depth Table Diameter of	Dept	hof
(m) (m) (m)		(m)		Hole (mm)	Casing (mm)	Cas [m	ng)
10/07/97 - 1.80 1.80 - Water added lassil boring. 10/07/97 - 12.00 12.00 3.00 End ef boreh	ole.	12.00		150	150	12.0	0
Depth of Casing Date Ti	Water Strik		Minutes	Se	aled at	Remarks	
Strike Depth (m) (m)		st Strike Depth (m)	Minutes After Strike		(m)	rventarika	
3.00 3.00 10/07/97 3.00 3.00 10/07/97 3.00 3.00 10/07/97 3.00 3.00 10/07/97		2.05 2.00 1.90	5 10 15 20		:		
3.00 3.00 10/07/97		1.90	15 20	1	:		j
				~			
fks g° refers to temporary casing used during boring.							Logged b AB
							AB

		Soil Mechanics		BOREHOLE No. NTG32	1004
ation No. 81	18/28		Type of installati	Sheet 4 of 4	
ation SITE 33		FEN	Date of installati		
	Electron Electron	-	Internal diameter		
ried out for	ENVIRUNMENT	AGENCY	Length of filter	5.50 m	
			Diameter of filter	150 m	
Dept	n (n bgi)			Depth	alay
From	То	SUMMARY OF INSTA	LLATION	Legend Ground 1e	
		Surface protection : Lockable Top Cap			
0.00	0.50	Concrete			
0.50	5.50	Bentonite/cement grout		a a 0.50	
5.50	6.50	Bentonite seal			
6.50	7.00	Fine sand filter			
0.00	8.00	UPVC Solid casing	•	e e 5.50	
8.00	9.90	UPVC Slotted casing 1.5mm slots, 15% open area			
8.00	10.90	Geotextile wrap			
9.90	11.75	UPVC Sediment tube		d6.50	
11.75	11.80	UPVC Screw in end cap		b b 7.00	
7.00	12.00	Gravel filter, 2-6mm diameter			
				8.00	
				9.90	
				-	
				10.90	1
ey					
a	Concrete	d Benta	mite seal	11.75 11.80 12.00	
	Source And	u Bento	ance sear		
b	Sand filter	e Bento	onite/cement grout	-	
c	Gravel fil	ter f Backt	611	-	
				-	
				-	
				-	
emariks				-	
. Ground lev	rel and coord	dinates as sheet 1		-	
C) So11 Mech	anics V2.0 (09/10/97 11:52:13			
		DETAILS OF INS	TRUMENTS		

D Soil Mechanics					nen	JIE I	lo. NT	332
¥				Shee	t 1 of 2			
Equipment & Methods Hand Auger, 100mm dia to 0.75m.	Location		8118/28					
Standpipe plezometer installed.	Location		0.775 00 0					
			SITE 33, C	ATFIELD F	=N			
Carried out for	Ground	Level		Coordin	ales			Date
ENVIRONMENT AGENCY	0.340			3774 m				/07/97
				2041 m				_
Description	Reduced	Legend	Depth		amples/1	nple		Fiel
	Level		(Thick)	Depth		No.	Test	1104
	0.340	14			1100	110.		
Dark brown slightly spongy fibrous PEAT.		: 177 177 177	1 10 10 1	0.10				
		14 14	(0.20) -	0.10	D	1		
(soft) Orange CLAY with occasional subangular		14 14	F F	0.20	D	2		
to subrounded fine to medium gravel of flint.	- 0.14	_0	0.20 (0.05) 0.25	0.20	0	×		
	0.09		0.25	0.30	D	3		
	4		E	0.50	; 0	3		
(soft) Black CLAY.			(0.25)					
			E		i			
			Ē					
	-0,16	000	0.50					
		00	-	0.60	D	4		
Brown subangular to subrounded coarse GRAVEL to COBBLES of flint.		000	(0.25 pen)	0.00		•		
COBBLES OF IIII.		000	pen)		2	i i		
	1	000	E					
BOREHOLE ENDS AT 0.75 m.	-0.41		0.75					
	1		E					
	1		5					
			E					
	1		ţ.			-		
			1					
			-			1		
			1			:		
						1		
			5					
	i i		-					
	i .		E		1 1			
			Ē					
			-		2 I			
			2					
			-					
			E					
			5					
			-					
			÷.					
			-					
			-					
			-					
			-					
Remarks			-					-1
Hole abandoned at 0.75m due to hand auger unable to penetrate gravel.								L
and the second state and the second state and the second state of								Se
Groundwater level on completion of hole was 0.10 m bgl.								
Groundwater level on completion of hole was 0.10 m bgL.							anics (Ver 6.0)	F

		Soil Mechanics		Sheet 2 of	2	
ation No. 811 ation SITE 33		EN	Type of installation	on Standpipe on 10/07/97		
ried out for	ENVIRONMENT	AGENCY	Internal diameter of Length of filter Diameter of filter	0.35 m	50 	
Dept From	h (m bg) To	SUMMARY OF INSTA	LLATION		Legend	Depth below Ground level(m)
		Surface protection : Lockable Top Cap				
0.00	0.25	Concrete			1	+
0.25	0.40	Bentonite seal			a a	0.25
0.00	0.45	UPVC Solid casing			_dd	0.40 0.45
0.45	0.70	UPVC Slotted casing 1.5mm slots, 15% open area				
0.40	0.75	Gravel filter, 2-6mm diameter				0.70
0.45	0.75	Geotextile wrap				-
0.45	0.75					
0.70	0.75	UPVC Screw in end cap				
						-
			14			
						-
						-
						-
						-
						-
						[
						-
key						-
a	Concrete	d Bento	onite seal			-
b	Sand filte	e Bento	onite/cement grout			
с	Gravel fil	ter f Back	411			[
						-
						-
Remarks						-
1. Ground lev	vel and coor	dinates as sheet 1				-

M. 1	BOREHOLE DATA	Bore	hole ID	ABM20	
Y	SHEET	Land	downer	Catfield Charities	
Herituman 3		Contac	t number Dr	Kevin Bacon 01692 581314	
information					-
JDIH Engineer	Patrick Lamphee		Drilling method	C / Percussion	I
BH Grid Ref	TG 36660 21390		Design depth	35m	I
(Hand held GPS) Date Started	10th May 2006	с	ompletion depth (measured)	24m	I
Date Finished	25th May 2006		RWL (mbgl) & Date	0,6mbgl 17th May 2006	ľ.
				(Measured before development)	
Date	Activity			Comments	Initi
foth May 2006	Moved Rig over to site. Unable to get rig to p to soft ground and therefore located borehold win from original position. Spake to Dr Baco borehole. Set up rig. refilled bowser and m Decoy Farm.	e approximately 3 - In about relocating	BH located to NGR (see above) after soft. Public Footpath runs past sit	speäking to lånd owner Ground very e - site fended off over Weekend.	P
11th May 2006	Drilled from ground level down to a depth of nitting fine sands which slowed dolling. Sj carried to dump truck also slowing	poil having to be	Discussed with Mike Dickin securit fence up around barehole		P
12th May 2006	Awaiting delivery of skip - due am. Drilleà t 14m and had to stop as skip not arrived. Skij had drop down front so water would escape for Monday	plarrived 12pm but	Secured site for weekend with fenci truck. (See Fig) Left		
16th May 2006	Drillag to depth of 19m before basing becan pull basing up but to no svoil. Removed 10 barried on drilling with 8 inch basing to sto basing from sticking. Once 10 inch basing i depth of 21m. Water breasure pushing fine borehole making it silt up. After a 30 min bre up from 21m to 17m.	inch casing and p the two sets of removed drilled to a sands back into	Fine sands slowed drilling down all drilling down due to borehole silfing i and expressed opnoem about noise is this back to office. Resolved at e	up. Epologist from Atkins visited site evels disturbing local birds. Reported	p
17m May 2006	Borenole silted back up to 17m. Continued of at 23m. After consulting with Chris Barbour to terminate BH at 28m as the fine sands ha obtisiderably, and backfilled to 24m. The bore monitoring groundwater in the Crag. Backfilled sump in clay with 2m slotted at base of crag and allowed to settle over might. Large hole opened up around top of borenole - fence Headworks to be put in plece following grou approx 5pm to move ng to need	(JDIH) we decided a slowed us down shale besign states illed to leave 1m approx 1m square dorff for safety. It setting. Left site	Largé holé may worsen over right. If to infil the hole. Slötted section has (CR/	been placed in the correct geology	D
29th May 2005	Developed the borefinite for 2 hours. Headwor borshole completed.	iks set in place and	Holé arciente heatswointe h	as been milled with peal.	10

		ABM20	
Geology Depth (mbgl)	Descript	ion of Strata	Water strike (mbgl)
From to 0 0.5 0.5 9 9 11 11 23 23 28	Grey medium / course grained sand with Stiff grey clay with some sand (London * Crag identified by meduim to coarse	nd silt (Weathered Upper Surface of Crag) In shell fragments (Crag)	0.5 11.3
Construction details		Construction log	
Construction details		Construction log	
benton After speaking to offic terminated at 28m an- monitoring the CF	from 0.5 magI to 21 m	(m) _1 _2 _3 17m Grout 4 _5 _6 _7 _8 _9 	n Casing above ground
Keys supplied by	rial drilled through it was decided to use coars sand as filter pack. AEG and headworks marked with borehole on number in order to aid surveying	e <u>18</u> <u>17</u> <u>18</u> 2.5m Bentonite <u>19</u> Seal	
Other information		20	
Photographic record Drillers log provided	YES YES	4m coarse sand	otted screen with wrap
Additional sheets atta	ched NO		1m Sump

IDIH	BOREHOLE DATA	Borei	ole ID	ABM 42a (Deep)	
NULLEAU	SHEET	Land	owner	and the second se	
(i vinecia.		Contact	number		
e information					
JDIH Engineer	Patrick Lamphee		Drilling method	Rotary	I
BH Grid Ref	TG 37131 19860		Design depth	35 - 45m	1
(Hend held GPS) Date Started	9th August 2007	Co	mpletion depth (measured)	50m	1
Date Finished	14th August 2007		RWL (mbgl) & Date	3.11mbgl 22nd August 2007	
ly record				(Weasured before development)	_
Date	Activity			Comments	Initials
9th August 2007	Arrivedion site at approx 11:30am to find that n taken plate. This was due to shos not being de Once skips filed with water polymer was add started at approx 5:30pm	sivered on fime		ch due, to low water pressure off the ma≋s meant five trips one needed, By end of the tripy the first tim of casing hat been installed	FL
10kn August 2007	Arrived on alte as drilling got underway. At 27m o sxips needed to be refiled with water which re- Drilling started again at approx 12pm. BY the en reached a depth of 51m	suired two trips.	on drilling on Monday until they proved	his depth at approx 40m. Decided that drillers were to carry the top of the London Clay. Agreed they should drill at least don Clay and then back fill to base of Orag.	FL
19th August	Drilling restance from 51 m to a deph of approx top of the Chaik was hit. Carried on 3m into th BackFilling to the base of the Cra	e Chalk before		ified and borehole design modified. Samples taken at each a confirm that there was no London Clay	FL
13th Pugust 2007	Plain and slotted pipe installed along with filter p and bentonite. Borehole then grouted and tow works set in place and allowed to set ov	er pain of head	Fig then moved o	wer ready to shill ABM 42b (Sinallow)	PL
iêth August	Upper peri of headworks bolled in place and porehole	padicok put on			ΡL

Geology			
Depth (mbgl) From to			Description of Strata Water strik
0 0.4 0.4 1.7 1.7 7 9 14 14 30 30 42 42 51	Brown medium to c Stiff grey clay Grey coarse grained Grey silty sand with	parse grained sand, parse grained sand v d sand with some cla some dark black mu	with some small angular gravels with sandy brown clay iy and shell fragments idstone iy and shell fragments
Construction detail	<u>s</u>		Construction log
	•		Upstanding lockable headworks
Completion depth	51m m		GL 0.5m Plain Casing above ground
			(m)
Drilled Diameter Casing Diameter	200 mm 7 75 mm		
Plain casing	from Dito	47 m	
sump	50 to	51 m	Crag and Cla
Slotted casing	from 47 to	50 m	
Construction Materials			20
Bentonite Sand Pack	from 42 to	44 m	41.5m Grout
Filter Pack	from 44 to from 45 to	45 m 51 m	25 47.5m Plain piping
		01.11	30
Other details			25 Crag
			40
			2m Bentonite
			6m Filter Pack 3m Slotted
			50 1m Sump
			55
Issues (access	s problems, landowner concerns, ground o	conditions, security etc)	80
When we see to	humb the bershele there is	otill a lot of sound in	65
the bottom. The dip i	plumb the borehole there is meter would not go all the v	vat to the bottom, so	
	depth will be confirmed after		
			75
Notes			
No. London Oliv			
	eneath the site. Geology w nd of clay was encountered		
	was 5m thick		
Other information			
	YES		
Photographic record			
	YES		
Drillers log provided			
		NO	

inut.	BOREHOLE DATA	Borehole ID		ABM 42b (Shallow)	
ENVIREAL	SHEET	Landowner			-
FIA A DEFAIL		Contact number	S		
noint attor			11		
JDIH Engineer	Patrick Lamphee		Drilling method	Rotary	
BH Grid Ref	TG 37136 19867		Design depth	10 - 15m	
(Hand held GPS) Date Started	13th August 2007	Completio	n depth (measured)	Yet to be measured	1
				3,11mbgl 22nd August 2007	1
Date Finished	15th August 2007		RWL (mbgl) & Date	/Neasured before development)	19
ally record Date	Activity			Comments	Initia
Date	. Availy			somnerits	unities
	Moved ng over and got into position. Dug tra				
13lh August 2007	4m of casing into the ground. By the end of In had reached depth of 10m / 1m into day ben	e day the barehole Filled b	owser back op wikk wæjer wrich i	oo) approx 4 vicur que to low water preseuré again	8
					1.12
14th August 2007	Pipe. Ther pack and same pack all put in pi Sentonite and then borenole grouted back to			the send allo to standa da (Peter Peter	PL.
THUR AUGUST 2001	surface. Lower part to headworks set in place set over night.	e and allowed to	An establish men wonen o	wer to next site in wresham (86% 27)	12
	10 PR. 10				
	and the second second				
15th August 2007	upper part of head works attached and opter	t in place. Patrick			1
	Lamphee (JDIH) fitted EA paciocks to be	di) boreholes			

Contant	ABM	42b (Shallow)	r
Geology Depth (mbgl)		Description of Strata	Water strike (mbgl)
From 10 0 0.5 0.5 1.9 1.9 7.2 7.2 9 9 10	Top soil Brown medium grained sand with some Medium grained brown sand with some Brown medium grained sand with some Stiff grey clay	clay clay and small amounts of gravel	
Construction details		Construction log	L
Completion depth Drilled Diameter Casing Jamete Plain casing Slotted casing Construction Materials Bentonite Sand Pack Filter Pack Other details	11.5 m 200 mm from 0 to 7 m from 0 to 7 m from 7 to 9 m from 4 to 5 m from 5 to 6 m from 6 to 10 m	Upstanding lockable headworks GL (m) 1 2 3.5m Grout 3.5m Grout 4 1m Bentonite 5 1m Sand Pack 7 8 4 4 1m Filter Pack 9 10 11 12 13 14 15 1 1 1 1 1 1 1 1 1 1 1 1 1	Crag Crag with clay

RAC	E. 6	AILY SITE REPORT	- LALK	6-1	12/91)			CATFI	1.2)		6	
INAC		Ground Conditions	- LAOK	Disturbe	d Samplea	Un	disturbed	Samples		Per	etration	Tests	4	_
trom	to	consistency or densit	y/colour/type) (no.	depth	no.		length blows	type/no.	depth	150	75 75	75	75
		BEDAIRED LOATER	MAIN	D 1		UI			S/C 1					
		BEPAIRED WATER	2 FHID	D 2.		U 2			S/C 2			_		
	- 34	THRE CHUER T	005015	D 3		U 3 .	1.000		S/C 3					
		CRANCE BROW	openic	D 4		U 4			S/C 4					
		SI-74 SANDY C	in a streng	D S		U 5			S/C 5					
		STOWES IN P	ACES MOZ	- D 6		Uē			S/C 6		9			
	2.90		2+1	07		U 7			S/C 7					
). 6]	A IM	DROWD SAND	517HQ	. D 8		U .8			S/C 8					
			ZANDES	D 9		U 9			S/C 9					
	1.8.	DROWN SILT		D 10		U 10			S/C 10	_				
	10 om	Base SAUD	Est	D 11		U 11			S/C 11	_				
	7 Cm		FEIDE	D 12		U 12			S/C 12				1	
10	100	CRONE BROWN	511	D 13		U 13	1		S/C 13					
1	7.3		siriq	D 14		U 14			S/C 14					
13	1.5m	BROWN SAND	& FINE	D 15		U 15			S/C 15					\Box
1.3	85	YRAVEL	-qioc	D 16			Bulk S	emples	-		Ground V	Vater		
	1 cm			D. 17		no,	from	to	depth str	uck (-2m			
				D 18		B 1.			casing de	pth (0.0			
				D 19		B 2			Inflow rat	• •	TEADY			
				D 20		B 3	1	-	rose to	-	-			
				Chisel or pits	10 A	B 4			sealed ou	tat			_	
Borehol	e complet		from			B 5		-	sample n	0. V	'	w	w	
Depth o	borehole	cased 8.5m	10,			B 6			sample d	opth				
Plezome	ater/Stand		hours			B 7			water leve	el st st	art of bo	ring	1	
		Remarks	_	Water added		B 8			water leve	at fin	ish of b	oring	7.	0
			from 2.0	7		B.9.			water leve	wher	casing	remove	в	
			to 8.	5-4		B 10	1							

		Ground Conditions		(18 12 91) Disturbed Samples	Ur	disturbed	Samples		Pene	tration	Tests	4	_
from	to	consistency or density	A REAL PROPERTY AND A REAL PROPERTY.	no. depth	no.	depth	length blows	type/no.	depth	150	75	75 75	75
85		BROWN SAND &	Fine	D 1	UT			S/C 1					
	283	GRAVEL		D 2	U 2			S/C 2					
		-1		DS	U, S			S/C 3					
				D 4	U 4			S/C 4					
				D 5	U 5			S/C 5					
		B. Comp 8.8	~	D 6	U.6			S/C 6					
		p		D 7	U 7			S/C 7					1.
		PIPE NST AT	8.5-	D 8	U 8			S/C 8					
		SALINGUE SWRAP	-	D 9	U 9			S/C 9					
		85-0.3m		. D 10	U 10			S/C 10		-		_	
		CONCRETÉ FRO	- 5.0 m	D 11	U 11			S/C 11					
-		GI INTH COM	ER LISTAN	ED D 12	U 12			S/C. 12					
		TOP & DOTTO	on CAD	D 13	U 13			S/C 13					
		ETTTED OU P	pe .	D 14	U 14			S/C 14				_	
		1	1	D 15	U 15	•		S/C 15					
				D . 16	-	Bulk Sa	mples		Gr	ound \	Nater		
	-		and the second s	D 17	. no.	from	to	depth stru	ck				
_				D 18	B 1			casing de	pth				
				D 19	B 2.			Inflow rate		_			
				0 20	B.3			rose to				-	
			Chise	l or pits	B.4			sealed ou	=1				
Borehold	complet		from		B 5		1.1	sample no	. w		w	w	
Depth of	borehole	0 04	10		B 6			sample de	pth				
Plezome	ter/Stand	depth 8.5m	hours		B 7			water leve	at star	t of bo	ring	6	2m
		Remarks	Wate	r added	B 8			water leve	at finis	h of b	oring		20
			from		B 9			water leve	when	casing	remo		

Econophia (UK) Lud 0076 40066

10 Control of a Control			Ground Con	ditions				Disturbe	ed Samples	U	ndisturbed			Pen	etration			
Links Original Links Original Links Original Links Original Links Distance Distanc	from	to	consiste	noy or de	nsity/col	our/type		no.	depth	no.	depth	length blows	type/no.	depth	150	75	75 7	5 75
B20000 SAUD WITH D2 U2 SC 2 I D. Gram TRACES OF CLAY D3 U4 SC 2 I D. Gram TRACES OF CLAY D3 U4 SC 3 I S. C. ALL SAUD D4 U4 SC 4 I S. C. ALL SAUD D4 U4 SC 4 I S. C. ALL SAUD D6 U6 SC 6 I I S. C. ALL B. C. PAUEL D6 U6 SC 6 I I G. C. PAUEL D7 U7 SC 8 I I G. C. PAUEL D7 U7 SC 8 I I G. S. C. PAUEL D7 U7 SC 8 I I G. S. C. PAUEL D7 U7 SC 8 I I D. 10 D1 U1 SC 11 I I D. 10 D11 U12 SC 11 I I D. 12 D13 U13 SC 14 I I D. 13 D16 D16 B1 I I D. 14 D16 D18 B2 I I D. 10 D16 D18 B2 I D. 1	1.5 O	3.	THEF C	WER	Toos	DIL		D 1		U 1			S/C 1:					
D Gao TIPACES DE CLAY D3 U3 U3 U3 U3 D:17 D:6 U4 U4 U5 U6 U6 3.2 D20000 SAND ELE D.6 U6 U7	is							D 2		υz			S/C 2					
2:	b	Gm						D 3		U 3			S/C 3					
3.5 Bizewou Sawou F, Franz 0.5 0.6 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.7 0.6 0.7 0.6 0.7 0.7 0.6 0.7 0.7 0.6 0.7 0						1		D 4		U 4	•	4	S/C 4					
6.2 m Crp Area 0.6 0.7 0.6 0.7 Creating Brown Sott 0.7 0.8 0.7 0.8 Creating Sott 0.7 0.8 0.7 0.8 D.7 0.8 0.7 0.8 0.7 0.8 D.7 0.8 0.7 0.8 0.7 0.8 D.7 0.8 0.9 0.9 0.7 0.8 0.7 0.8 D.70 0.9 0	38		Bizewa	SANT	ta c	EINE	-	D 5		U 5			S/C 5					
CARCY BRAND SOTT D.7 D.7 D.7 Standy CLAY D.8 D.9 Standy CLAY Standy CLAY D.10 D.10 D.10 U.11 Standy CLAY Standy CLAY D.10 D.10 D.10 U.11 Standy CLAY Standy CLAY Standy CLAY D.10 D.10 D.10 U.11 Standy CLAY Standy CLAY Standy CLAY D.10 D.10 D.11 U.11 Standy CLAY Standy CLAY Standy CLAY D.11 D.12 U.12 Standy CLAY		2.00	CRADEL	-				DS		U 6			S/C 6	1				
South South CLAY Dis Uis Scient South CLAY Dis Dis Uis Scient South CLAY Scient South CLAY Dis Dis Uis Scient South CLAY Scient South CLAY Dis Dis Uis Scient South CLAY Scient South CLAY Dis Dis Uis Scient South CLAY Scient South CLAY Dis Dis Uis Scient South CLAY Scient South CLAY Dis Dis Uis Scient South CLAY Scient South CLAY Dis Dis Uis Scient South CLAY Scient South CLAY Dis Dis Uis Scient South CLAY Scient South CLAY Dis Dis Uis Scient South CLAY Scient South CLAY Dis Dis Uis Scient South CLAY Scient South CLAY Dis Dis Dis Scient South CLAY Scient South CLAY Dis Dis Dis Scient South CLAY Scient South CLAY Dis Dis Dis Scient South CLAY Scient South CLAY Borehole complete Yet					25	DET		D 7		U 7			S/C 7					
D 0 D 0 <thd 0<="" th=""> <thd 0<="" th=""> <thd 0<="" th=""></thd></thd></thd>						2		D 8		U.8			S/C 8					
D D <thd< th=""> <thd< th=""> <thd< th=""> <thd< th=""></thd<></thd<></thd<></thd<>						T		D 9		U 9			S/C 9					
D 12 U 12 U 12 SC 12 D 13 U 13 U 13 SC 13 14 D 14 U 14 U 14 14 14 14 14 14 14 14 14 14 14 15 15 15 16 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>D 10</td> <td></td> <td>U 10</td> <td></td> <td></td> <td>S/C 10</td> <td></td> <td></td> <td></td> <td></td> <td></td>								D 10		U 10			S/C 10					
D. 13 U 13 S/C 13 S/C 13 D. 14 U 14 U S/C 13 S/C 14 D. 15 D. 15 U 14 U S/C 13 S/C 14 D. 15 D. 15 D. 15 U S/C 15 S/C 14 S/C 15 D. 15 D. 16 D. 17 No From Inflow rate S/C 14 S/C 15 D. 15 D. 17 D. 18 D. 18 B. 1 S/C 14 S/C 15 S/C 15 D. 18 D. 19 D. 18 B. 1 S/C 14 S/C 15 S/C 15 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>*</td> <td>D 11</td> <td></td> <td>U 11</td> <td></td> <td></td> <td>S/C 11</td> <td></td> <td></td> <td></td> <td></td> <td></td>							*	D 11		U 11			S/C 11					
D. 14 D. 14 D. 14 D. 15 D. 15 D. 15 D. 15 D. 15 D. 15 D. 16 D. 16 D. 17 D. 18 D. 18 D. 19 D. 19 B. 1 D. 20 B. 1 Borehole complete Y/a No from Io. Io. Io. Io. Borehole cased T.Ord Io. Io. Io. Io. Io. Io. Borehole cased T.Ord Io. Io.					-			D 12	-	U 12			S/C 12					
D. 15 D. 15 U. 15 S/C 15 D. 15 D. 16 Bulk Samples Ground Water D. 17 D. 18 B.1 B.1 Gasing depth G.8 D. 19 D. 20 B.1 B.2 Inflow rate S1EARY Borehole complete Yas No From B.3 Gasing depth G.8 Borehole cased 7.0 Inflow rate S1EARY Frose to Gasing depth Plezometer/Standpipe? depth Hours Water added B.8 Water isoded Hours Drug Pit Too from 0.9 B.3 Water added B.3 Water isoded								D. 13		U 13			8/C 13					_
D 15 D 15 D 17 D 17 D 18 D 18 D 19 D 18 D 19 D 18 D 19 D 10 Barehole complete Yes No from Chisel or pits Borehole cased 7.0 _M Plezometer/Standpipe? depth Hours Writer added Ba Ba Ba Ba								D 14		U 14	-		S/C 14		-			_
D 17 D 17 D no. from to D 18 D 19 D B D B Casing depth 6.8 m Casing depth Cas								D 15		U 15			S/C 15		_			_
D 18 D 18 D 18 D 19 D 19 D 20 B 1 Borehole complete Yas Yas No Chisel or pits Borehole cased Tom Ito Ito Ito No Remarks Water added B Itom No Ito No Ito No No Ito No Ito No Ito No No No Ito No No <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>D 16</td><td></td><td>_</td><td>Bulk S</td><td>Samples</td><td></td><td></td><td>Ground 1</td><td>Water</td><td></td><td></td></t<>								D 16		_	Bulk S	Samples			Ground 1	Water		
D 19 D 19 B B Inflow rate STEAPy D 10 19 D 20 B 3 Inflow rate STEAPy Borehole complete yes No Chisel or pits B A Sealed out at Sealed out at Borehole cased 7.0// Ito Ito B B Sealed out at Sealed out at Plezometer/Standpipe? depth Ito B B Sealed out at Sealed out at Remarks Water added B B Sealed out at Sealed out at Sealed out at H_Aub Day Pit Too 12m Tom O.9 B Sealed Sealed out at					_			1			from	to				-	-	
Borehole complete Yds No Borehole cased 7.0m Plezometer/Standpipe? depth Bemarks Water added Baseling Baseling Baseling Baseling <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>D 18</td><td>1</td><td>B 1</td><td></td><td>-</td><td>casing de</td><td>opth 6</td><td>·8m</td><td>-</td><td></td><td></td></t<>								D 18	1	B 1		-	casing de	opth 6	·8m	-		
Borehole complete Yes No Borehole cased 7.0 m Plezometer/Standpipe? depth Remarks Water added Best Best Image: transmission of the second depth Best Image: transmission of transmission o					_			1000.02		B 2				• 5	TEADY	-	-	
Borehole complete Yes No from B B B B sample no. w w w Depth of borehole cased 7.0_M 10.				and the second				D. 24		B 3	-	_	rose to		-	-	_	
Borenole complete Jes NO Depth of borehole cased 7.0_M Plezometer/Standpipe? depth Remarks Water added Image: Plan model B 8 Image: Plan model B 9			•	1		-	Chie	el or pits		B.4		_	sealed ou	tat		-		•
Plezometer/Standpipe? depth Remarks Water added B 7 water level at start of boring Water added B 8 Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring Image: A start of boring <td< td=""><td>Borehole c</td><td>complet</td><td>• · · · · · · · · · · · · · · · · · · ·</td><td>yes</td><td>No</td><td>from</td><td></td><td></td><td>.]</td><td>B 5</td><td></td><td>_</td><td>sample n</td><td>o. w</td><td></td><td>w</td><td>~</td><td>1</td></td<>	Borehole c	complet	• · · · · · · · · · · · · · · · · · · ·	yes	No	from			.]	B 5		_	sample n	o. w		w	~	1
Remarks Water added B 8 I-[Au2_Dug_Pit_To_1.2m Irom 0.9	Depth of bo	orehole	cased	7.0M		to,				B 6	4		sample d	opth			_	
HAUD Dug Pit To 1.2m from 0.9 B9 water level when casing removed	Plezometer	/Standp	olpe?	depth		hours				B 7			water lev	el at sta	ert of bo	oring		
HAUD Dug Pit To 1.2m (rom 0.9) B 9 (water level when casing removed							Wat	er added		B 8			water leve	at fin	ish of b	oring	(. 8m
1 10 1 0 B 10 .	HAUD	Derc	Pit To	1.2m		trom	0.9			-			water love	when	casing	remo	beved	
litres 90 GALLONS B 11 driller M Z BiLACC			1			10.	6.8-			B 10							_	

	-	Ground Condition				Disturbed S		Indisturbed			<u> </u>	_	tration			
from	to	consistency	or density/co	lour/type		in the second second	opth no.	depth	length	blows	type/no.	depth	150	75 7	5 75	75
1.8		CIREY BRO	own Sc	7-10	SILTY	D 1	U 1		-		S/C 1				-	
	7:En	SANDY CL	AY			D 2	U 2				S/C 2				_	
12		2 .	SAND W	TH	FINE	D 3	US	4	-		S/C 3				_	
		CIENCEL,	Some N	1/20	FAVEL	- D.4	U 4				S/C 4					
_	100	PRESENT				D 5	U 5		-		S/C 5					
	•					D 6	U 6	2			S/C 6					
		Pipé lus	TATE	3.8-		D 7	U 7		-		S/C 7					
	-	:	< LIZAD	in	Fre.	DB	U 8				S/C 8					
		41.C - C	· 3.			D 9	· U 9				S/C 9					
		CONTRET	E ERON	0.	3 - 64	D 10	UT).			S/C 10					
		WITH (D	VER F.			D 11	U 1	i			S/C 11				_	
		Top 8 d	SOTTOM	CAT	25	D 12	U 1	2	1		8/C 12					
		Jazz				D 13	U 1	1		•	S/C 13					
						D 14	U 1	i			S/C 14		1			
						D 15	U 1	5			S/C 15					
						D 16		Bulk S	amples			Gr	ound V	Nater		
						D 17	по.	from	1.1	to	depth str	uck ·				
						D 18	8 1	1			casing de	pth				
						D 19	B 2				inflow rat					
					.]	D 20	B 3				rose to					
					Chier	al or pits	8 4				sealed ou	tat				
Borehole	complet	te Y	100 00	from			B 5	-		1	sample n	. w		w	w	
	borehole		On	to		-	8 6	1			sample d	epth				
	ter/Standy		opth 8.8m	hours	-		B 7				water lev	at star	t of be	oring		5.4
			N O ON	0.3-1			B 8				water leve				-	+ 1-1
		Remarks				r added										

Francover (LK) Ltd 0376 49955

HAC	E - U	AILY SITE REPORT	- LACK		12/91)		فرطورهما		FIE	LD	D	netration	Tests	G	3)
from	to	Ground Conditions consistency or densit	w/colour/twos	Disturbe	depth	no.		Samples	lows	type/no.	depth			75 75	75
	10			D 1	op Int	U 1	aopin			S/C 1	Paper				
	23	IMRE OVER T		D 2		U 2				S/C 2			-		-
		PREW SAND		D 3		U S				S/C 3		-		_	
		TUGHT TRAL	5 OE	D 4		U 4				S/C 4	-	-			
	1 lm	C. A.A		D 5		U 5				S/C 5					
	5100	Dice Du SAND	4	D 6		US				S/C 6				12-	tin d
		BROWN SAND	# FINE	D 7		U 7			-	S/C 7		-			
	5. 10	GRAVEL		DB		UB			-	S/C 8	-		-		
				De		Us			-	S/C 9				_	
				D 10		U 10			-	S/C 10		-			
			<u>.</u>	D 11		U ii		1.		S/C 11		-			
				D 12		U 12				S/C 12					-
				D 13		U 13				S/C 13		1	-		
	-		· · · ·	D 14		U 14	-			S/C 14	-	-		-	
	-			D 15		U 15				S/C 15	-	-		-	
				D 16		(C.i.	D.# C	Samples		<u>(</u>		Ground	Watar		
				D 17		no.	from		to	depth str	T	+ 6-		T	
				D 18		B 1			-	casing d		+.5-	-		
				D 19		B 2				Inflow ra		TEAD	1		
-			*	D 20		B 3		-	-	rose to	ŕ	TEND	9		
-	1			Chiesi or pits		B 4		-		sealed or	at at				
Boreho	le complet	te Yes No	from	und a pro-		B 5				sample n	o. v	v	w	w	
	1 borehole		10			B 6			_	sample d	epth	10.7			
	eter/Stand		hours			B 7				water lev	el at at	art of be	oring		
		Remarks		Water added		B 8				water lev	el at fin	ish of t	oring	1	+.
. 1	- 2		(from 1-0			B 9				water lev	el when	n casing	remo		,
-1=la	us D	ng Pit To 1.5m	to 6.8			B 10		2							
										driller					

	_	Ground (Conditions	Cutt	- LA	UN	(20/12(9)) Disturbed Samples	11-	disturbed	_	ATFI	en	Perr	tration	Tests	B	~)
from	to	consis	itency or	density/	colour/ty	pe)	no. depth	no.	depth			type/no.	depth	150		5 75	75
1 3		Brown	SA.	in A	To	ACES	D 1	U 1			-	S/C 1				-	\square
	7.2.	CIE C	1				D 2	U 2				S/C 2		-			
		Bra.	Sa.	~ ~ ~	+ =	-	DS	US				S/C 3		-		-	-
	75	CIRAUR					D 4	U 4				S/C 4					
							D 5	U 5				S/C 5				1	
		BH	Com	P T	·Sm		DS	U 6				S/C 6		-		-	
				1			D 7	U 7				S/C 7	- 64				
		PIDE	NST	AT	7.5	Sm I	D: 8	U 8				S/C 8		-			
		Sunti	÷ E	2000	7.5.	0.3	D 9	U 9				S/C 9					
		Carry	TÉ	FRAN	0.	2-61	D 10	U 10				S/C 10	-	-			
2.1		WITH (Cover	5.7		T	D 11	U 11				S/C 11					
			Bor			25	D 12	U 12				S/C 12	-	-1-		-	\square
		LUST		10101		1-	D 13	U 13				S/C 13		-	-	-	
		1000					D 14	U 14				S/C 14		-		+	\vdash
	1						D 15	U 15				S/C 15		-		+	-
		*					D 16	_	Bulk Sa	mples			Gre	und V	Vater		
							D 17	no.	from	Ť	to	depth stru				T	
							D 18	B 1.				casing dep	oth			1	
							D 19	B 2				inflow rate				1.	
							D 20	B 3				rose to					
						Chies	or pits	B 4				sealed out	at			1	
orehole	complet		Yes	No	from	-).	B 5				sample no	w		w	w	*
pth of	borehole	cased	7.5m		to, 🔇			B.6				sample de	pth	-	1		-
zomet	er/Standp	lpe?	depth	7.5w	hour			B 7				water level	at start	of bo	ring	4	6
		Remarks				Water	added	B 8				water level	at finish	of be	oring		6.
					from	6.8		B 9				water level	when c	asing	remove		Un
					lo	7.5m		B 10									
					litres		ALLONS	8 11		-		driller N			RAC		-

Economi (UK) Lui 0376 40065

SHACE -		ITE REPORT	- LA	JK _	-	12/41)					IELD				C	4
from 1		d Conditions sistency or densit	v/colour/tw		no.	depth	(no.	denth	length		type/no.	depth	150	Tests	75 75	75
				100 Carton 12	D 1	1	UT	<u></u>			S/C 1					-
1- 0.			11		D 2		UZ				S/C 2					-
	FIRM		E/B	Rowa	D 3		U 3			-	S/C 3	1			-	-
	In SAN		1		D 4		U 4				S/C 4		-		-	-
J. 1 4.	1						100000		-				-			+
+		in SAN	is at 1	TWE	D 5		05				S/C 5	-			-	-
6	CinCleri	Del			DB		UG	-			S/C 6					
			-		D 7		U 7				S/C 7					-
					D 8		U 8	-	-		S/C 8					-
					D 9		U 9				S/C 9		-		-	
					D 10		U 10			-	S/C 10					-
					D 11 D 12		U 12			-	S/C 11		-	-		-
					D 13		U 13		-		S/C 12					
					D 14		U 14				S/C 14	-	-			-
					D 15		U 15		-		S/C 15		-	-	-	
					D 16		<u> </u>	Bulk S	ampies		<u> </u>	Gr	ound	Water	_	-L-
	-				D 17		no.	from		10	depth st	uck		T		
					D 18		B 1				casing d	epth		1		
					D 19		B 2				Inflow ra	te	1	1		
					D 20		B 3				rose to		2	K		
				Chies	l or pits		B-4				sealed o	utat		1		
Borehole co	mplete	Yes No	from				B 5				sample	ю. w		w	w	
Depth of bor		6.00	to				B 6				sample o	epth				
Plezometer/S	tandpipe?	depth	hour	8			B 7	1			water lev	ol at star	t of b	oring		
	Remarks			Wate	r added		B 8.			+	water lev	el at finis	h of t	ooring		
1-1-1-1	Dug Put		from				BS				water lev	el when a	casing	remo	ved	
1-IADE	and the		to	6.0m			B 10									

		Ground C	Conditions		-		Disturbed Samples	Ur	disturbed			1620	Pene	etration	Tests		
from	to		lency or	and the second second	olour/type	Real	no. depth	no.	depth	length	blows	type/no.	depth	150	75	75 7	5 75
:		Bicow	5 5 M	twD	et 1	Thor -	D_1.	U 1				S/C 1	-				
	5.3.2	CIZAVE	5		1		D 2.	U 2				S/C 2					
	\$5.	Dizou		SAN	D		DS	US				S/C 3					
							D 4	U 4				S/C 4					
							D 5	U 5				S/C 5					
		Pari	1.05-	A	т 8.5	5	D 6	U 6				S/C 6			_		1
		SHIW F	- Fize	0	5-0		D 7	ע 7				S/C 7					
		COURT	ni Fr	200 0	2-2.0	SL	D 8	U. 8	1			S/C 8					
		C .ien	ET	TED .			D 9	U 9				S/C 9	1				1
		(10-	Ter		Satte	2~	D 10	U 10				S/C 10					
		1					D 11	U 11				S/C 11					
							D 12	U 12				S/C 12					
		1					D 13	U 13				8/C 13		4			
							D 14	U 14		-		S/C 14					
							D 15	U 15				S/C 15					
	1				in the second		D 16		Bulk Se	emples			G	round V	Nater		
						+	D 17	no.	from	1949	tö	depth stru	ick 6	3~			
							D 18	B 1				casing de	pth. 6	· 0		•	
	1				1		D 19	B 2				Inflow rate	. 5	TEADY			
							D 20	B 3				rose to	No	RISE			
						Chisel	or pits	84				sealed ou	at				
Borehol	complet		Yes	No	from			B 5				sample no	. w		w	w	
Depth of	borehole	cased	8.50		to			B 6				sample de	pth				
lezome	ter/Standp	lpe?	depth	8.5m)	hours			87				water leve	l at star	t of bo	ring		
		Remarks				Water	added	88		-		water leve	at finle	h of b	oring	i	5.
					trom	6.0		B 9				water leve	when	casing	remo		
				-	10	8.5-		B 10			-						
					litres	40 GAL	LOUS	B 11			1	(driller	Ni	7 1	111	14.5	

Econophia (UK) Ltd 0076 40066

HAC	c - C	AILY SIT			- LAC	n	· · ·	1	· ·			TFIE			1				
Ground Conditions				Disturbed Samples			Undisturbed		-			Penetration Tests							
Irom	to	consis	lency or	density/c	lour/type	Cher - Maria	no.	depth	no.	depth	length	blows	type/no.	depth	150	75	75	75	75
1-	02~	TURE	ODE	2 7	0290	-	D 1		U_1_				S/C 1						
3.2		Oracq	1		•		D 2		U 2			-	S/C 2						
-		WITH					D3	-	U 3				S/C 3						
	1. CIM	CLAY				1	D 4		U 4			100	S/C 4						
9		Benja	2 500	, G	nle c	RASE	D 5		U 5				S/C 5						
	4.3M	In PLA			1		D 6		U 6				S/C 6						
43	4 Sm	Brows	5 514	74 (iny		D 7		U 7				S/C 7						
45	1.	Brown			DIT	4	D 8		U 8				S/C 8						
		SLIGH					D 9		U 9				S/C 9						
	60	SILTY					D 10		U 10				S/C 10						
		1		.1			D 11		U 11				S/C 11						
		PIPE 1.	057 6	ATE	. 0.		D 12		U 12				S/C 12						
		SHINGL					D 13		U 13				S/C 13			•			
		CONTRET					D 14		U 14				S/C 14						
		WITH		1000		in	D 15		U 15				S/C 15						-)
		Top #	7.5.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.				D 16		-	Bulk S	ampies			Gn	ound \	Nater			2
		FITTE					D 17		по.	from	1	to	depth atr	uck 1.	8				
		ELLIS	~ .				D 18		B 1				casing de	pth					
							D 19		8 2	6			Inflow rat	•			1		
				-			D 20		B 3				rose to	-	-	-0.50			
						Chies	i or pits		84				sealed ou	t at					
Borehol	e complet	•	Yes	NO	from				B 5				sample n	o. w		w		w	
Depth of	borehole	cased	6.0m		10.				B 6				sample d	epth				1	
Plezomo	ter/Stand	ipe?	depth	6.0m	hours				B 7				water lev	ol at star	t of bo	oring			
		Remarks			1	Wate	r added		B 8				water leve	at finis	h of b	oring		1.1	Bri
Harr	2	7	5 1.5		from	1.50	1.1		B 9				water leve	when	casing	remo	beve		-)
FIAU	u was		<u>v.</u>	Les	to.	6.00			B 10									_	
				11 M 11 M 11	litres		ALLON	15	B 11	V.			driller	7 7	Br		-		

SOLO DESIGNS

BUILDING CONSULTANTS

STOCK YARD BARN 106 NORTH STREET BURWELL CAMBRIDGE CB5 0BB

Tel: Newmarket 742858

4th March, 1992

T. Bear, Esq., Land and Water Resource Consultants, Quy Station, Stow Cum Quy, Cambridge. CB5 9AJ

Dear Mr. Bear,

Re: Catfield Bore Holes

As instructed on your order no. 0115 we carried out a level survey of 8 no. bore-holes at the above site on 25th February, 1992. The results of which are indicated below. The levels were taken at the points you requested and are given in metres above sea level.

Trial bore-hole """ Bore-hole	1 05 P6	1.505m 2.630m 3.172m	above sea " • "	a level " "	j	Related to O.B.M. on Guttermere Bridge farm building.
Bore-hole	P1	7.074m		"		Related to O.B.M. on Catfield Post Office
Bore-hole	P2	7.405m)	
	P3	4.505m	11		2	Related to O.B.M. on Catfield Church.
	P4	6.754m			2	on callieit church.
	P5	1.630m	n)	

Please do not hesitate to contact me if you have any queries. Meanwhile I enclose our account, which I have set at the upper level, due to increased travelling and surveying time as caused by the inclement weather conditions encountered on the day.

Also enclosed, the Allen key you gave us on site.

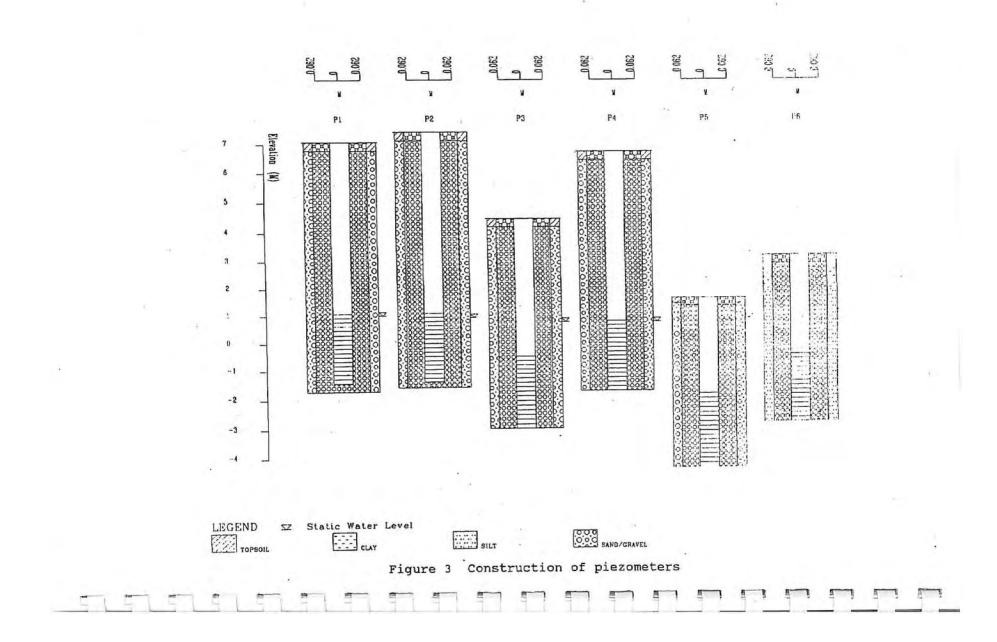
Lastly I wonder if you have yet made a decision on the levels for the Thetford Site?

I look forward to hearing from you soon.

Yours sincerely, M. R. Daine -

M.R. Damy's South S.A. Dames South M.J. Bown, C. Associate P.J. Cutmote, P.p. ARCH

A A 1 Reg 4 2 104" "

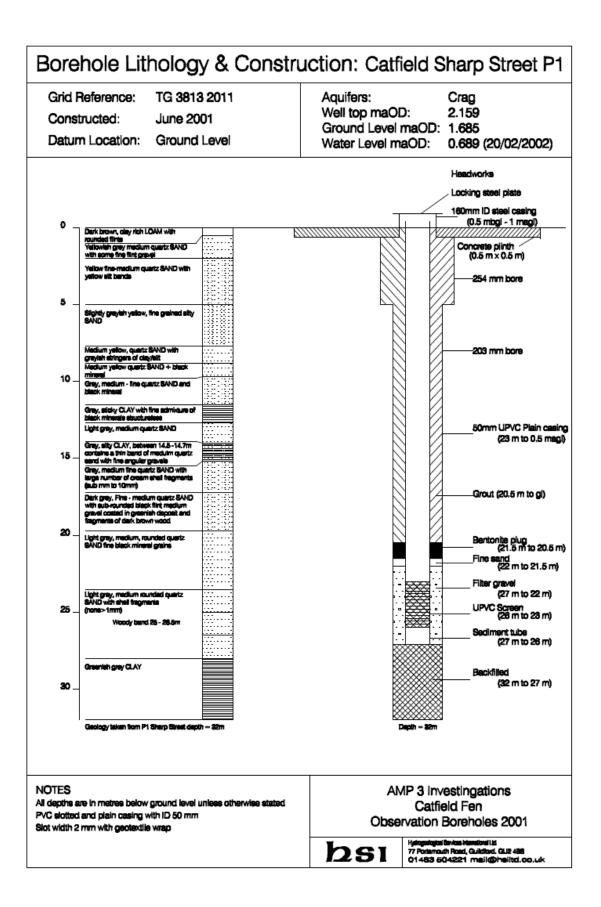


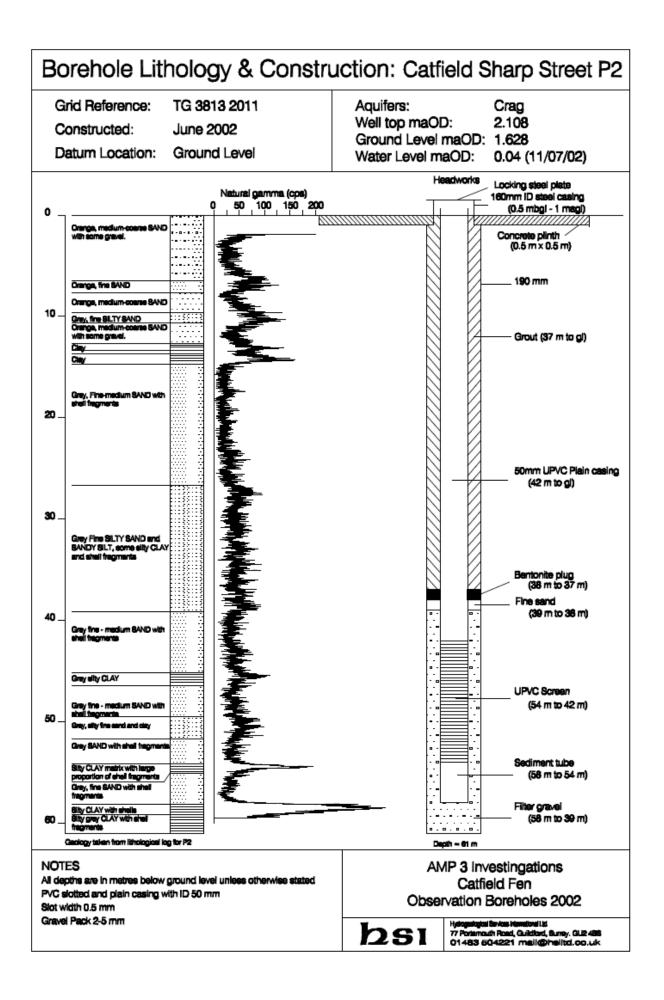
For Institute use only	NATURE OF STRATA		TINCKN	155		Dern		
GEOLOGICAL CLASSIFICATION	If measurements start below ground surface, state how far.	Feet	Inches	Metres	Feet	Inche	Metre	
	الم مشا سل الشم	4	•	1.21	4	0	1.21	
1	is set time ded	6	0	1.82	10	0	3.04	
Not.	lowne light boom Send, blag							
changlish in detail .		4	•	1.21	14	•	4-26	
Thin glacine	Red imm hand will insel fraud Shop light from Band and grand	2	0	0.90	16	•	4.87	
(to a in fl)	Soft down and blan	19	0	5.79	15	0	10-66	
on Crag	Soft from and the sendy blog.	6	6	1.97	41	6	12.64	PT 1
(te + 65 ft)	Just litt any such bla	2	6	0.75	44		13.4	
on	sill the - my they with	5	0	1.52	49	0	14.93	
Jackness	studes of S-d	7	0		56			
London blag) and the may blog with bandon			2.13	20	0	17.06	
U. + Reading	of Sand and first /			1.1.7				
Seas)	Hard blue blan with bands of i	5	6	1.67	61	6	18.74	
	-Sand and fraud		0		15			
	Blue-gray blay with bands of	4		121	00	6	19.96	
	Sand and Silt							
	Blue bly with bands of Sand		6	1.36	70	•	21.33	
VYV	and Shells		-					
	Joft blac Ela inthe finds of Sandard Shall	16	0	4.57	85	0	25.90	
/	Jack green hand and blay	20		3.04	95	0	28.95	
1	Solt gray sandy blay	13	0	3.96	128	0		
	Hard gray and green hand and blog	8	0	2.43	136	0	39.02	
	have grey and with boken Shells	43	0	13.10	179		54.55	
_	and , shalls and small flats with			15 10			54.35	-
-	darge fiers of gover work.	5	0	1.52	184	0	56.08	
12	"I'm light brown villy blay	6	0	1.82	190			100
1/	Soft the and bown randy blag	٦	0	2.13	197	0	57.11	
V	qq							
Дел	Da's Bank							
RG.	r							
30/1/75-								
				:				
			12	·				
						_		

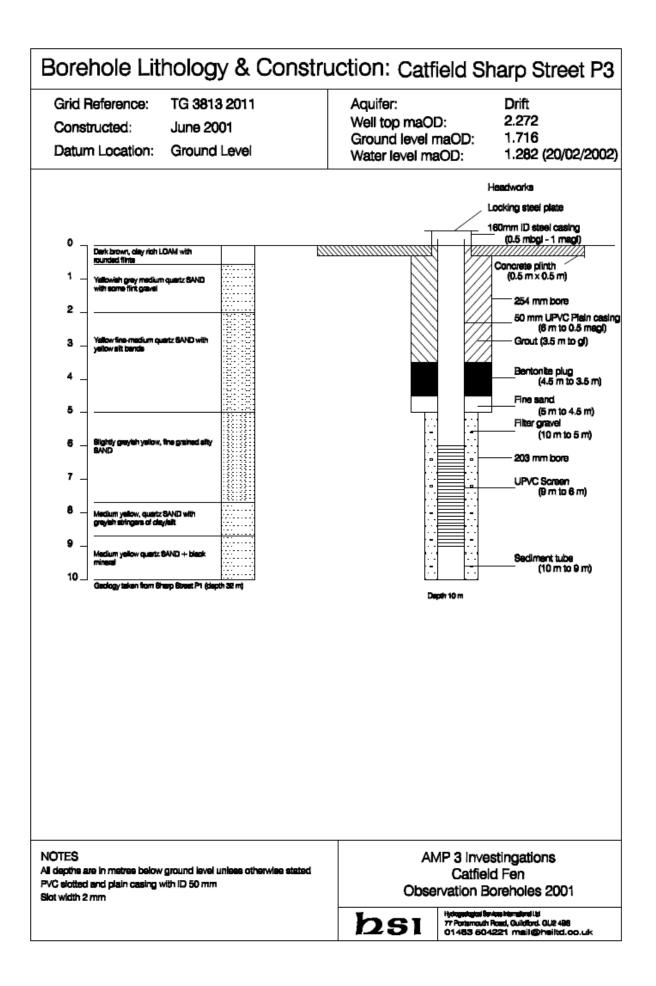
· · ·

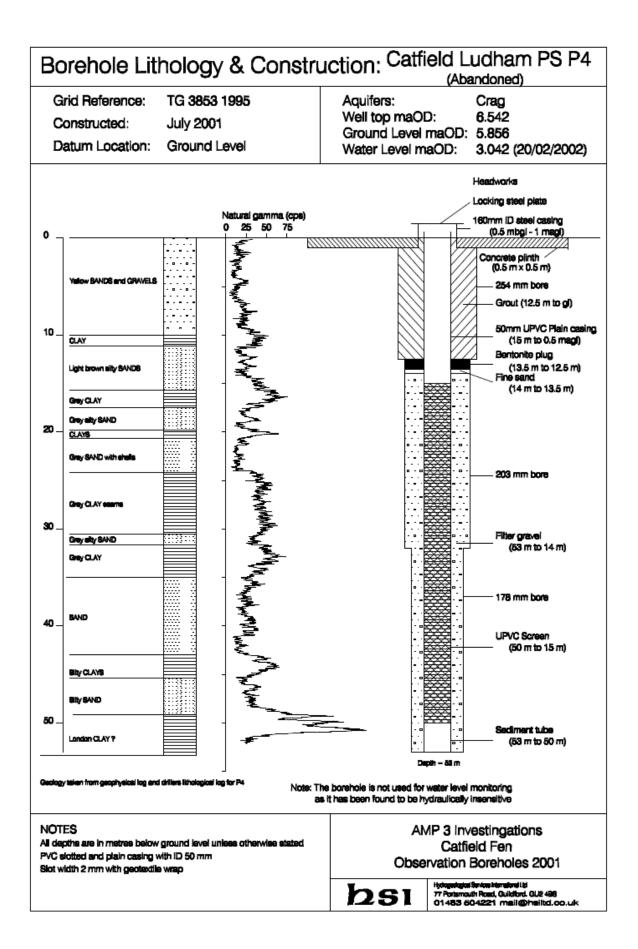
RECORD OF WELL N. 14+94 1 Lel. 148 TG31 Town or Village ... County hofelt. -----Sistinch County Shees Not FOLK 53 Nult -TE. 31 NE (3853 1985) Siz-inch National Grid sheet and reference honich Water Division For Anglin Water Authinty State whether owner, tenant, builder, contractor, consultant, etc .:-Address (if different from above) 28. St files Street homingh NR 2. 1 IJ. evel of ground surface above sea level (O.D.) ... Alant 16 11 (. *ourn If well top is not at ground level, state how far below: SHAFT. /..... .m); diameter..... PECEDARY 6 1 IEADINGS (please attach details-dimensions and directions) bollom 21 in (533 . 4 Full details of nermapent lining tubes (position, length, diameter, plain, slotted, etc.) Hat 59 meters of 16 inthe floor dear the Ed. Non Lles an cant granted outside , for that 19 meters + to the top of the takes . Water struck at depths of ... 14-. 1 4-26 di ton .. m) Date of measurements 54 5 12 5 DESCRIPTION OF PERMANENT PUMPING EQUIPMENT: LE Data Bank Make and/or type -Capacity. .ni*) per hour. Suction at. below well top. Amount pumpedma) per day. Estimated niumplion. ralls (...m') per week towned . serifion Well made by the format Hall Dutting and Ingenering Date of siaking to filled B/S 1975. ADDITIONAL NOTES ANALYSIS (please attach copy if available) 2 33, 30, 27, 24, and 21 ind ----then used to suffert strate before the ITRAFA an slotted screen take was find 16 21 Amelia of are outride of the reason and the Amelia of are outride of the reason and the tentioner these was filled with fare formal language the internant of the tentioner these. Institute or county and the first of the or of a MATER DEPARTMENT, & affort cannot great of to 1. observe South Resentations, & affort cannot great of to 1. observe Landon, S.W.2. India gread hard Date Observation well Recorder ER. 108 Six marted es Copy to A. W. A. C.W.P.W. E. U.R.C.

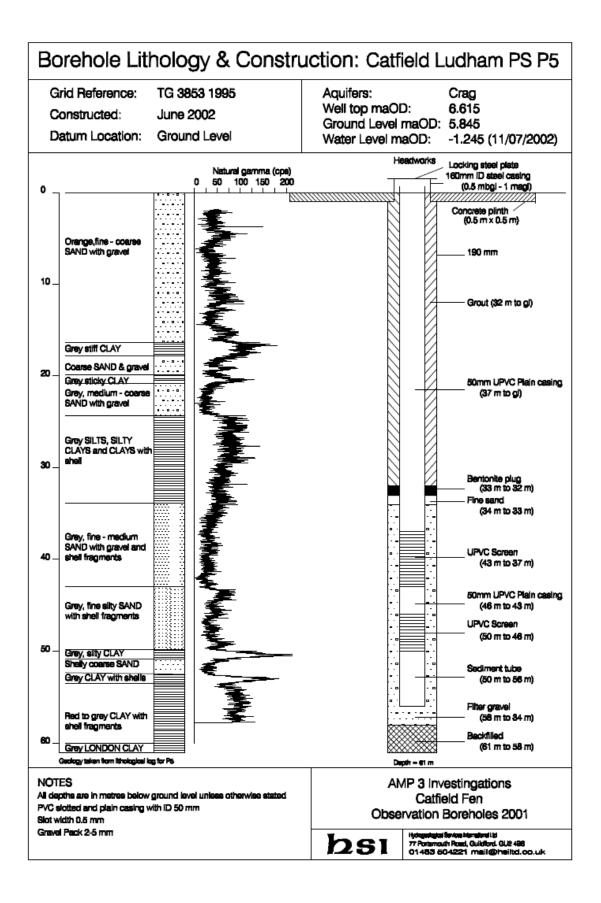
. ...











Drillers Log for Mr Alston's Plumgate Road abstraction borehole

		For Institute use	only Licence No.							
	RECORD OF WELL		N							
Brakb Gebloget	AL Holly Farm		British Gentagical Survey							
	wood street	The 3	32/101							
-	Town or Village Catfield County									
l	County Norfolk									
EXACT SITE	Entish Geological Survey Entish G	148 1432 9	2.1. Bedraude							
OF WELL	Six-inch National Grid sheet and reference	£ 3818 22	30							
	For N. & A. W. Alston	AWA Li	unu No. E7: 34:9:6:108							
	State whether owner, tenant, builder, contractor, co									
	Address (if different from above)									
Britch Geologica										
DELETE	Level of ground surface above sea level (O.D.) If well top is not at ground level state how far about									
AS	SHAFT									
NECESSARY	HEADINGS (please attach details-dimensions and									
	BORE		12							
	at bottommm)	and the second second	Education Depicture at parvey							
	Full details of permanent lining tubes (position,	length, inner and o	uter diameters, plain slotted etc.):							
	no details									
	•									
British Geologica	1.5.5.		••••••••••••••••••••••••••••••••••••••							
	Water struck at depths of	n	, .							
	Rest level of waterft (m) abov belo	well top. Suction	atm)							
TEST	Yield on									
CONDITIONS	Capacity of pump									
L	Date of measurements									
ſ	DESCRIPTION OF PERMANENT PUMPING EC	UIPMENT:								
	Make and/or type	Motiw	e power							
NORMAL Babary Geology	Capacity									
CONDITION5	below well top. Amount pumpedgalls (m3) per day. Estimated									
Ц	consumption	m ³) per week								
	Well made by Percham Mater Supplies	Date of	sinking. Jan 1986							
	ADDITIONAL NOTES ANALYSIS (please atta	ch copy if available)								
LOG OF	British Geological Survey Entran Geo	atogicat Survey	Received from AWA							
STRATA										
OVERLEAF			Date							
			Observation well Recorder							
Bit to Gardnered	579.00		ER log Site marked on							
HYDROGEOLOG			1" map							
EXHIBITION R LONDON SW7	OAD		(use symbol)							
			Сору то							
IG.	5 2454 26 060 7/73	,	Date							

GEOLOGICAL	NATURE OF STRATA	THICH	CNESS H	sh Geological S	DEPTI	1	
CLASSIFICATION	If measurements start below ground surface, state how far.	Feet	Inches	Metres	Feet	Inches	Metres
N	Topsoil	2	-	0.61	2	-	0-61
> Drift	rarl sandy clay	3	-	0.91	5	_	1.52
? Drift on Crag	Silver land and pravel	12	-	3.66	17	otogical Su	5.18
0	Yellow and grey clays	10		3.05	27	-	8.23
	Grun sand and grey day	10	-	3.05	37	-	11-28
	Green nand	3	-	0.91	40	-	12-19
British Geological Survey	. Gry clay Det the Geological Turkey		- Bras	0.31	41	-	12.50
	Gry and and gravel	. 4		1.22	45		13.72
	Gavey randy clay. Fine green sand and clay	8		2.43	53		16-15
	Fine green sand and day	4		1.22	57		17.37
Bo	Fine green sand			3.36	68	ole nic al Sur	20.73
		·····	·····		•••••		
						•••••	
			·····	•••••			
British Geologis al Sumiry	Bittle Bettigs a Satury			n Fie vlogitalija			•••••
						•••••	
		•••••					
Bh	n Andrig of Salay				9/2/29/0	ological Sur	η
			[
11-1-1-0							
Brosh Geological Survey	Ennen Geological Survey		Brits	i G⇔stogical S			
Bra	- Declarge al Survey						
	n Geological Survey Bondar Geological Survey			•••••	Branch G	ofegical Sur	
British Geological Survey	British Gertisgish Kuryuy		 Bitts				•••••
	er in de references	•••••		Geological Si			•••••
							• • • • • •
				•••••	•••••		
	•••••••••••••••••••••••••••••••••••••••						

A.W.A.	1									
astern.	RECORD OF WELL	For Institute use only Licence No.								
liciteth G-schoge	AI HOLLY FARM	Tg32/102								
EXACT SITE	Town or Village NOOP. STREET, CATFIELD County	102-1 148 Tg325E/3								
OF WELL	For									
British Geologica										
DELETE		ve:*								
AS	SHAFTft (m); diameter									
NECESSARY	HEADINGS (please attach details-dimensions and									
	BORE									
	at bottomin (mm)									
	R" dia Lined with 29 m	length, inner and outer diameters, plain slotted etc.):								
British Geologica		the state of the descent states and								
		ft (m) below well top								
	Kest level of water	well top. Suction at ft (m)								
TEST	Yield onhours'e test pumping atgalls per (
CONDITIONS	depression to									
	Date of measurements									
ĩ	DESCRIPTION OF PERMANENT PUMPING EQ	NUDAEN'E.								
NORMAL	Make and/or type									
CONDITIONS	Capacity									
U	consumptiongalls (
	Well made by . Derenam Water Supplies	Date of sinking								
	ADDITIONAL NOTES ANALYSIS (please atta									
LOG OF	British Geological Survey British Geol	Ingrat Survey								
STRATA		Received from A. U.A.								
OVERLEAF										
		Date								
		Recorder								
INSTITUTE OF	GEOLOGICAL SCIENCES	Site marked on								
HYDROGEOLOG EXHIBITION R	Y UNIT	1" map 6" map—Grid Sheet								
LONDON SW7		(use symbol) Copy to								
IG:	5 2454 10 000 7/79	Date								

Drillers Log for Mr Alston's Ludham Road abstraction borehole

For Institute use on					1	2-2	•
GEOLOGICAL CLASSIFICATION	NATURE OF STRATA PERSON Concepted Const	THIC	INESS HIL	sh Geological 5	DEPTE	1	T
	If measurements start below ground surface, state how far.	Feet	Inches	Metres	Feet	Inches	Metres
Glacial Sand and 1	Top Soul			31	·		-31
Firmation	ORANGE SAND, GRAVEL			5.79			61
	ORANGE SAND, GONEL, CLAY		ļ	1.52	British ()	stoge al Sur	76
/	HARD GREY CLAY SAND STONE			:31			79
()	BLOWING OBANGE SAND, GRAVEL			5.80	.		13.7
	BLANING YELLON SAND,		ļ	1.22	ļ		14.9
Driftish Geological Surve	GREEN SHND, GREY CLAY, SHELLS, STONE		Deta	2.44	w.		17.4
	GREY SAND, CLAY			0.91			18.3
CRAGE	HARD GREY CWAY			2.44			20.7
uchor)	GREY SAND, SHELLS, SOME CLAY			0-9/	ļ		21-6
0.4 s	HARD - GREY CLAY Bets Go about Survey			061	Britshill	storical Spr	223
	SOFT CLAY, SHELLS, STONE, SAND, FLINT,			190			23.2
	BLOWING GREY, SAND, SHELLS			8.53			31.6
V	GREY SAND. (NON BLOWING) CLAY SHELS			1.8			33-5
Bittsh Geological Survey	Boys Contract Prove			Fashgeater			
Bhas	States Websity				Bridish Q	Node al Serv	
British Goological Survey	Pricts Cestagetal Survey						
				Geological Su			
				•••••			
D-W.s	Geologic at Survey Britain Geologic at Survey				British Os	alogical Surv	,
British Geological Survey	British Gestioptal Survey		B(As)	Geological Bu	-07		
1.							

Drillers Log for Mr Alston's Ludham Road abstraction borehole – letter from the driller Dereham Water Supplies

WATER SUPPLY ENGINEERS BOREHOLES DRILLED ACIDISED AND TESTED ALL TYPES OF PUMPS SUPPLIED AND REPAIRED PUMP AND GENERATOR HIRE MONO SERVICE AGENTS .00 0 HJVH/SJH. BRADENHAM ROAD SCARNING NORFOLK NR19 2LA WENDLING (036287) 613 30th July 1987. 2 Anglian Water, Tare House, 52-64, Thorpe Road, Norwich, $M_{\rm el}$ D54 NRI 1SA. For the attention of Mr. Hockerday. 5 FOR Dear Sir, E ALL S Please find herewith Well Log for borehole constructed for Mr.Alston, at Catfield. Original borehole (collapsed 1993?). Well Log. 0 - 1 ft. 1 - 20 ft. 20 - 25 ft. 25 - 26 ft. 26 - 45 ft. 45 - 49 ft. 49 - 57 ft. 57 - 60 ft. 57 - 68 ft. Top Soil. Ø š3 Top Soll. Orange Sand/Gravel. Orange Sand/Gravel/Clay. Hard Grey Clay/Sand/Stone. Blowing Orange Sand/Gravel. Blowing Yellow Sand. Blowing Yellow Sand. Green Sand, Grey Clay/Shells/Stone. Grey Sand/Clay. Hard Grey Clay. Grey Sand/Shells, some clay. Hard Grey Clay. Soft Clay/Shells/Stone/Sand/Flint. Blowing Grey Sand/Shells. Grey Sand (now blowing) Clay/Shells.

 57 - 60
 16.

 60 - 68
 ft.

 68 - 71
 ft.

 71 - 73
 ft.

 73 - 76
 ft.

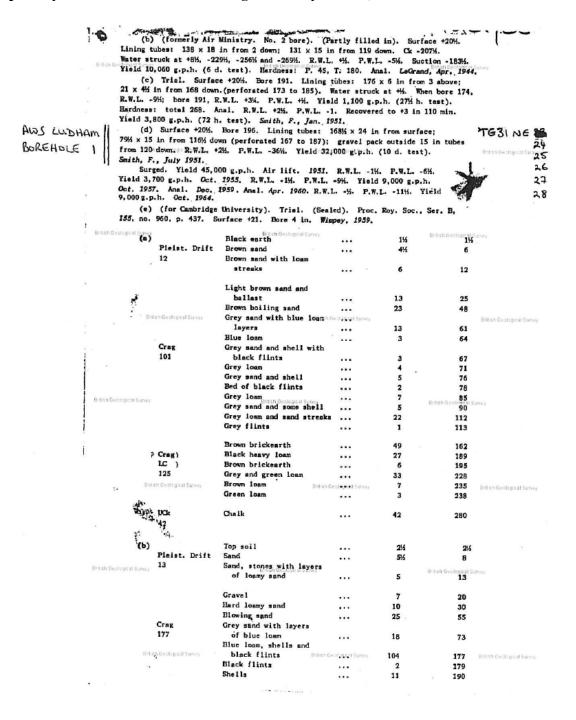
 76 - 104
 ft.

 18.3 21.6 12.3 23.2 31.6 104 -110 ft. 33.5 29 metres screen. 6 metres plain casing. 12" dia. Lined with .

Yours faithfully.

PPHenry J. V. Hewson.

Construction details for AWS Ludham Borehole 1 (BGS No. 148/40d - Drillers log not publicly available from British Geological Survey website)



Drillers Log for AWS Ludham Borehole 2 (BGS No. 148/40f)

	For I	institute use only Licence No.
Bittish Geologica	RECORD OF WELL	N 14094
	AI Sudham	R TG31/38
	{ 💄 🕈	10, 1
	Town or Village.	- 00 C
EXACT SITE	County Marfold	
OF WELL	Six-inch County Sheet MeRFOLK 53 NULE	31 NE (3853 1995)
	For Anglin Water Authority homich	Wates Division
	State whether owner, tenant, builder, contractor, consultant, etc	
Bobish Gaels dir al	Address (if different from above) 25, 5t lines .	
		NR 2. I I Jon Grote git at Early
DELTE	Level of ground surface above sea level (O.D.) Alteret	
A5	If well top is not at ground level, state how far above:*	
NECESSARY	HEADINGS (please attach details—dimensions and directions)	
	BORE 191	
	bottom 21 in 533.4 mm	at the second seco
	Full details of normanent lining ubes (position, length, diameter Month 5 9 natures of 1606 mm) to have	
British Geoingiaal	top 8 meters was plain take I Inf	1 meter below rungers. about 19 meters below surface
ť.	up to the top of the talks .	
	Water struck at depths offt (4.26 m) below well top
	Rest level of water	galls (with
CONDITIONS	depression to 153' 4" . a (46:85m) below well top.	Recovery to rest level in 5.4 mm 100
	Capacity of pump	
	DESCRIPTION OF PERMANENT PUMPING EQUIPMEN	Data Banh
	Make and/or type	
NORMAL. Brt sh Gaslegica IS	-Capacity	
CONDITIONS	below well top. Amount pumpedgalls (
	consumption	
	Well made by La frand Well Drilling and Ingine	
	ADDITIONAL NOTES ANALYSIS (please attach copy if	available)
	Janformy 33, 30, 24, 24, and 21	-d Received from & Grand
LOG OF	tubes used to suffort strate before !	
STRATA		no field Date 9-7-75
OVERLEAF		A the Observation well
	tend owary tubes was filled with Paa &	E B Ian
Bittah Geological S	during the with drawal of the temporary	tubes . It map
INSTITUTE OF	F GEOLOGICAL SCIENCES ground Toffeet, then a	
SOUTH KENS	SINGTON, to support carrent grout up to 1.5	Brutes Copy to R. W.A. S. N.)
LONDON, S.V	from more	Date
	ton the term	the second s

	NATURE OF STRATA		THICKN	IESS		DEPTI	н
Institute use only Geological Lassification	If measurements start below ground surface, state how far.	Feet	Inches	Metres	Feet	Inche	s Metre
	In soil and loam	4	•	1.21	4	0	1.21
	Soft brown Sand	6	D	1.82	10	0	3.04
Bird.	" Gestigest toware light brown Sand, attlay gestinger	1	1	1	Ernst	Geologie	1 Survey
infried in	and small yours!	4	0	1.21	14	D	4.26
tail .	Red brown hand with small gravel	2	0	0.60	16	0	4 87
in glacial	Sharp light brown Band and growel	19	D	5.79	35	0	10.66
c c m ft)	Soft brown sandy blay	6	6	1.97	41	6	12.64
to + us ft)	Soft frown and blace sendy blay.	2	6	0.75	44	0	13.41
	Sough light your sendy Eliz	5	0	1.52	49	0	14.93
entiries	stiff the - going blog with						
and blay	stracks of Sand	۲	0	2.13	56	0	17.06
+ Reading	Sough blue grey blay with bands					articite	1270405
Beds)	of Sand and girt	S	6	1.67	61	6	18.74
2.	Hand blue blay with bands of 1					•••••	
	Sand and gravel	4	0	121	15	6	19.96
tish Geological Europy	Blue-grey blay with bands of		F	tish Geologic	I Sanyy		
	Sand and Silt	4	6	1.36	70	0	21.33
	Blue blog with bands of Sand						
	and Shalls	15	0	4.57	85	0	25.90
Brite	- Soft the blog with bands of Sand and Shall	10	0	3.04	95		28.95
	Jough green Sand and blay	20	0	6.09	115		35.05
	Soft grey sandy blay	13	0	3.96	128	0	39 02
	Hard grey and green Sand and blay	8	0	2.43	136		41.45
nt shi Geologi sat Survey.	knone gray and with bothen Shells	43	0	13.10	179		54.55
	Sand, shalls and small flints with						
	targe fieces of green work.	5	0	1.52	184	0	56.08
	tim light brown silly blag	6	0	1.82	190	0	57.91
	Soft blue and brown sandy blag	٦	0	2.13	197	0 4	0.04
[Da'n Bank			••••••			
G.		1		·····+·			
30/9/75							•••••
ish Geological Survey	Reich Geological Sunsy		12	sh Goologic ()	unity		
		····-		·····			······
		•••••		·····		····-	
			·····				

Abridged Drillers Log for the Royal Society borehole at AWS Ludham (BGS No. 148/40e)

Royal Society Borehole, Ludham (TG 31 NE 16) TG 3855 1992

Drilled in 1959

Surface level + 6.1 m

(Abridged and metricated from West, 1961) Thickness Debth

1. se	Thickness	<i>Depth</i> m
2Norwich Brickearth		
(CORTON FORMATION)		
Sand, brown; stones	3.20	3.20
Crag		
Sand, brown; clay seams, iron pan,		
sporadically pebbly	9.60	12.80
Sand, grey; clay partings, micaceous	3.35	16.15
Clay and silt, grey; sand partings, shell		
fragments	4.73	20.88
Core lost, except between 22.86 and 23.47 m;		
probably shelly sand	3.81	24.69
Clay, silty with sand partings, grey; locally		
shelly	9.14	33.83
Sand, shelly, grey; thin clay seams	18.90	52.73
Sand, shelly, grey; gravelly in places	2.74	55.47
Sand, shelly, grey; black flints up		
to 75 mm in diameter	0.31	55.78
LONDON CLAY		
Clay, brown	0.30	56.08