

# Springwell Solar Farm

## Consultation Report

### Appendix L-1.8

EN010149/APP/5.2  
November 2024  
Springwell Energyfarm Ltd

APFP Regulation 5(2)(q)  
Planning Act 2008  
Infrastructure Planning  
(Applications: Prescribed Forms  
and Procedure) Regulations 2009



## Table of Contents

### **Appendix L-1.8 – Preliminary Environmental Information Report**

Volume 3: Supporting Reports (Appendix 10.1: Preliminary Risk Appraisal to  
Appendix 15.1: Long List of other developments)

# Appendix L-1.8 – Preliminary Environmental Information Report



## **APPENDIX E5    BGS BOREHOLE LOGS – ZONE G**

---



British Geological Survey

BGS ID: 469064 : BGS Reference: TF05NW1  
British National Grid (27700) : 502699,355689

**RECORD OF WELL (SHAFT OR BORE)**

At Toll Bar Cottages

Town or Village Ashby de la Launde and Bloxholm Parish

County Lincoln Six-inch quarter sheet 87 SW/4

For Mr. \_\_\_\_\_

Exact site of well TF05NW 0268 5569 1/1A  
TF05/16 80

Level of ground surface above sea-level (O.D.) 158 feet.

Is well-top at ground level? \_\_\_\_\_ If not, state how far above ; \_\_\_\_\_ feet.  
below ; \_\_\_\_\_ feet.

Shaft 94 ft., diameter \_\_\_\_\_ ft. Details of headings \_\_\_\_\_

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) \_\_\_\_\_

TEST DETAILS { Rest-level of water \_\_\_\_\_ ft. above below well-top. Suction at \_\_\_\_\_ ft. Yield on \_\_\_\_\_ hours' days' pumping \_\_\_\_\_ gallons per \_\_\_\_\_ (max. capacity of pump \_\_\_\_\_ g.p.h.), with depression of \_\_\_\_\_ feet. Recovery to \_\_\_\_\_ in \_\_\_\_\_ mins. hours.

WORKING CONDITIONS { Rest-level of water in \_\_\_\_\_ (month), 1943 (year), 87 ft. above below well-top. Highest " in \_\_\_\_\_ (month), \_\_\_\_\_ (year), \_\_\_\_\_ ft. above below " Lowest " in \_\_\_\_\_ (month), \_\_\_\_\_ (year), \_\_\_\_\_ ft. above below " Suction at \_\_\_\_\_ ft. Rate of pumping \_\_\_\_\_ galls. per \_\_\_\_\_ for \_\_\_\_\_ hours per day. with average depression of \_\_\_\_\_ ft. Recovery to \_\_\_\_\_ in \_\_\_\_\_ mins. hours.

Quality of water (attach copy of analysis if available) \_\_\_\_\_

Well made by \_\_\_\_\_ Date of well \_\_\_\_\_

Information from Dr. W.D. Evans

ADDITIONAL NOTES.  
See wartime cat. 11.  
According to 6' Field slip 94' deep with RWL 87' down.  
Site on Lincol. List.  
O.T.B.

**LOG OF STRATA OVERLEAF.**

**GEOLOGICAL SURVEY AND MUSEUM,  
SOUTH KENSINGTON,  
LONDON, S.W.7.**

British Geological Survey

Date received.	G.S.M. Office File No.	1" N.S. Map No.	1" O.S. Map No.	Site marked (use symbol) on 1" Map. on 6" Map.	
British Geological Survey	British Geological Survey	British Geological Survey	British Geological Survey	British Geological Survey	British Geological Survey

(17200) Wt. 42901/0877 10,000 2/41 A. & E.W.L.M. Op. 420



**British  
Geological  
Survey**

*Version 2.0.6.6*

BGS ID: 469106 : BGS Reference: TF05NW38  
British National Grid (27700) : 502600,356040



British Geological Survey



British Geological Survey

British Geological Survey

**NGRC  
BOREHOLE RECORDS  
ADJUSTMENT FORM**

British Geological Survey

British Geological Survey

British Geological Survey

**QUARTER SHEET** TF05NW

**BH REGISTRATION NUMBER** 38 - 43

British Geological Survey

**RECORDS ENTERED AND HELD BY WALLINGFORD**

British Geological Survey

British Geological Survey

British Geological Survey

**BH REGISTRATION NUMBER(S)**

British Geological Survey

British Geological Survey





British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38  
British National Grid (27700) : 502600,356040

For Institute use only Licence No.

TF05/51 N.....

114 / 173

RECORD OF WELL

At 2 1/2 km WNW of Ashby

Town or Village ASHBY DE LA LAUNDE

County Lincs

Six-inch County Sheet

Six-inch National Grid sheet and reference TF 0260 5604 TF05NW

For BGS Hydro Dept (GNPR No LL08)

State whether owner, tenant, builder, contractor, consultant, etc.:-

Address (if different from above)

Level of ground surface above sea level (O.D.) ft (46.03 m)

If well top is not at ground level, state how far above\* below: ft ( m)

SHAFT ft ( m); diameter ft ( m);

HEADINGS (please attach details—dimensions and directions)

BORE ft (28.7 m); diameter: at top 4.5 in ( cm); at bottom 4.5 in ( cm)

Full details of permanent lining tubes (position, length, diameter, plain, slotted, etc.)

Trial - filled in  
Continuously cased

Water struck at depths of ft ( m) below well top

Rest level of water ft ( m) above\* below well top. Suction at ft ( m)

Yield on hours\* days\* test pumping at galls ( m³) per with

depression to ft ( m) below well top. Recovery to rest level in mins\* hours

Capacity of pump g.p.h. ( m³/h)

Date of measurements

DESCRIPTION OF PERMANENT PUMPING EQUIPMENT:

Make and/or type Motive power

Capacity galls ( m³) per hour. Suction at ft ( m)

below well top. Amount pumped galls ( m³) per day. Estimated

consumption galls ( m³) per week

Well made by Soil Mechanics Ltd Date of sinking Nov 1977

ADDITIONAL NOTES ANALYSIS (please attach copy if available)

See IWS Report Series 83/3

Received from  
Date  
Observation well

EXACT SITE OF WELL

\*DELETE AS NECESSARY

TEST CONDITIONS

NORMAL CONDITIONS

LOG OF STRATA OVERLEAF

INSTITUTE OF GEOLOGICAL SCIENCES,  
WATER DEPARTMENT,  
SOUTH KENSINGTON,  
LONDON, S.W.7.

British Geological Survey

Recorder.....  
E.R. log .....  
Site marked on  
1" map .....  
6" map .....  
(use symbol)  
Copy to .....  
British Geological Survey.....  
Date .....



British Geological Survey	British Geological Survey	British Geological Survey	British Geological Survey	British Geological Survey



**British  
Geological  
Survey**

*Version 2.0.6.6*

BGS ID: 469106 : BGS Reference: TF05NW38  
British National Grid (27700) : 502600,356040



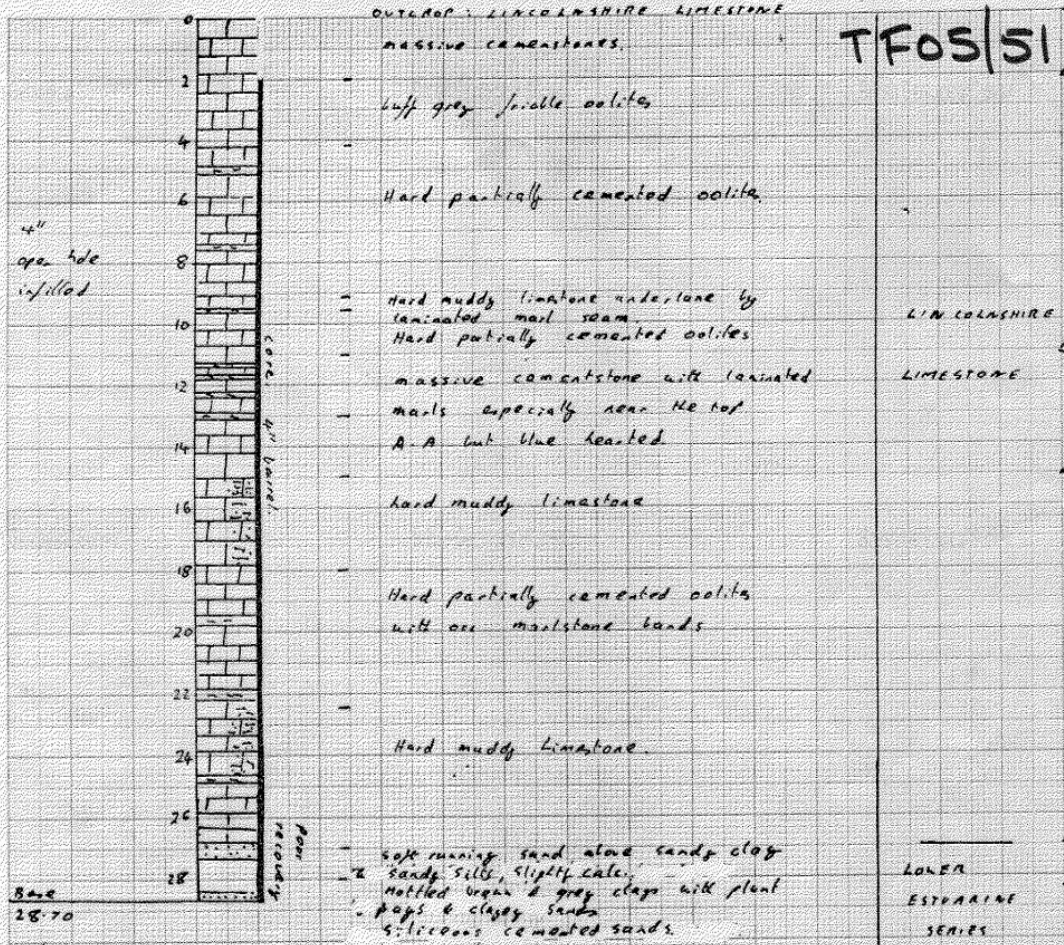
ASHBY LLB  
G/L 46.03 m.a.o.d.

# 114/173

TF 0256/60  
TF 02605604

GEOLOGICAL CLASSIFICATION

## TF05/51



(94 ft 2 ins)

Information on Fracture index, porosity, rock chemistry, moisture content 4.30 1AV more detailed log in master file. L.R.D. Bolton

Drilled 20-27/11/77 for i.e.s. by Soil Mechanics cored throughout core stand for I.G.S.

PEL A.T. 1980



**British  
Geological  
Survey**

*Version 2.0.6.6*

BGS ID: 469106 : BGS Reference: TF05NW38  
British National Grid (27700) : 502600,356040



report: re numbered 440

U #14/173

GROUNDWATER NITRATE POLLUTION RESEARCH BOREHOLE LL8 O.D. G.C. 46.03 m. IGS

SAMPLE	DEPTH	DATE & TIME	CORRECTION	LITHOLOGY	GRAPE LOG	COLOR	DESCRIPTIVE LOG	TF05/SI COMMENTS
		24.11.77					Brown soil with limestone fragments	
						Buff & greyish		
	2	24.11.77						
			00%	RIBBLE		Buff to yellow (brown)	Coarse limestone with calcite nests (2cm) Occasional brachiopod fragments (1-2cm) ooliths well cemented by sparry cement in patches - otherwise rather friable and crumbly	
	3	1615					oolitic limestone with calcite veins and sparry calcite nests	
			100%				many shell fragments in oolite poorly cemented oolite	
	4	1645				Buff	Finegrained clay rich limestone with scattered oolites and shell fragments	
			100%				Calcite veinlets thro' oolite & coarse oolitic limestone with minor shell fragment component	
	5	1730 29/1/77				Buff	clay seam. Hard sparry cemented fine oolitic minor shell debris Vertical fractures with clay used as coating	
	6							





**British  
Geological  
Survey**

*Version 2.0.6.6*

BGS ID: 469106 : BGS Reference: TF05NW38  
British National Grid (27700) : 502600,356040



Re-numbered Log

②

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL 8.

IGS

SAMPLE			DEPTH	DATE & TIME	FRAC.	GRAPHIC LOG	COLOR	DESCRIPTIVE LOG	TF05/SI COMMENTS
AERE	AWA	MOST	PH PR	meters					
				0915				Hard + loosely cemented oolite locally porolite, up to 2-5% shell debris	
				1015				Impure (clayey) Hard impure l.st. soft clayey arenaceous l.st.	
				1115			Buff	Hard spamy cemented oolite vertical fracture with strong Fe <sup>2+</sup> staining	
				1300			Buff	Hard spamy cemented oolite	
				1530			grey	v. impure hard calcareous clay rich lmst. passing into calcareous clay.	
							grey	hard clay band with laminated shell debris. slightly carbonaceous; laminated	
							grey	impure lmst. v. hard	
							grey	clay with shell fragments impure lmst. clay with masses of shell debris impure lmst. with large shell fragments (3cm)	



**British  
Geological  
Survey**

*Version 2.0.6.6*

BGS ID: 469106 : BGS Reference: TF05NW38  
British National Grid (27700) : 502600,356040



re numbered 490

TF05/51  
IGS

GROUNDWATER NITRATE  
POLLUTION RESEARCH

BOREHOLE LL8

SAMPLE			DEPTH METRES	DATE & TIME	CORRECTION	FRAC- TIONS	GRAPH- IC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
AERE	AWA	PH PR								
			13	1700 24/1/77	100%			grey	impaired clay sand with masses of shell fragments v. impure lmsr	
			14	0915	100%			grey buff	v. hard lmsr - buff where more porous + oxidised Fe <sup>2+</sup> a grey where Fe in reduced condition scattered oolites + shell fragments	
			15	0915	96%	LOST		grey buff	v. impure lmsr with massive shell fragments (10 cm.) v. soft mar seam Hard impure lmsr	
			16	1015				grey buff	Hard crumbly + hard splintery impure cementstone patchy oolitic bands + shell debris Clay lenses + a shell nodules scattered thro seam. All oolites of coarse blue hearted.	
			17	1115				grey buff	Soft to wgt clay with shell fragments Hard impure l. at non oolitic base 2 cm shell fragments Soft clay Sub vertical fractures with pyroclastic spots, no Fe <sup>2+</sup> Soft clay - clay staining white cementstone with ferruginous oolites (scattered) thin patchy impure lmsr with many ferruginous oolites Cementstone with v. scattered oolites + coninuted shell fragments + clay pellets	
			18					dk grey buff	Thin clay parting Impure lmsr with many large gastropod fragments (4cm)	
								dk grey buff	Thin clay parting v. impure lmsr Clay parting band v. impure lmsr - much Fe <sup>2+</sup> staining on vertical joint & Pyroclitic v. impure limestone with scattered oolites	



**British  
Geological  
Survey**

*Version 2.0.6.6*

BGS ID: 469106 : BGS Reference: TF05NW38  
British National Grid (27700) : 502600,356040



Le numbered L06

TF05(4) 51 IGS

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LLS

SAMPLE	DEPTH	DATE & TIME	CORRECTION	FRAC. CALCIUM	GRAPHIC LOG	COLOR	DESCRIPTIVE LOG	COMMENTS
	18		100%			Buff	Hard oolitic limestone with sparry calcite cement. Some clay in matrix. Calcite crystals infilling vugs (2cm)	
	19	1215	100%			Buff	impure limestone with occasional ooliths. Deconstructed shells replaced with clay infilling. Oolite - very hard	
	20	1420	100%			Orange Buff	Crumbly clay band with comminuted shell debris - Fe stained	
	21	1530	100%			Buff	very hard oolitic limestone well cemented with sparry calcite	
	22	1650 27/4/17	100%			Orange Buff	Very hard oolitic limestone with sparry cement. do. becoming more impure with depth, & bn well cemented.	
	23		100%			Gray	Impure oolitic limestone with much clay in matrix and large shells (3cm). Soft & friable. Soft and moist clay band stained with Fe <sup>3+</sup> . Hard oolitic unstr with clay pellets (3cm) and shell fragments replaced by calcite. Hard impure lit many shell frags thin patches oolitic rich. Vuggy - cement - clay filled.	
	24	1010	100%				Hard splintery lit many bivalve & gastropod fragments up to 2cm; calcite. some v minor oolitic content, no clay.	



**British  
Geological  
Survey**

*Version 2.0.6.6*

BGS ID: 469106 : BGS Reference: TF05NW38  
British National Grid (27700) : 502600,356040



<<

< Prev

Page 9 of 10 ▾

Next >

>>

ke numbered L40

TF05/S1  
IGS

GROUNDWATER POLLUTION NITRATE RESEARCH

BOREHOLE LL8

SAMPLE			DEPTH	DATE & TIME	CORRECTION	LITHOLOGY	GRAPHIC	COLOR	DESCRIPTIVE LOG	COMMENTS
AERE	AWA	PH/PR								
			25	1130	100%				Very hard splinty fine grained impure lit; shaly Contains 26.52-70m much shell debris very clayey. Lit with minor amount of large (0.5cm+) shell debris	
			26		100%				Hard impure shelly limestone, mainly bivalves & gastropod frags, bivalves up to 4cm diameter. Silty claystone, slightly micaceous calcareous silt, well laminated.	
			27	1230	60%				Soft running sand above sandy clay + sandy silt, slightly calcareous	
			28	1400	100%				Passes down to mottled brown & grey clays with plant fragments (coals) + clayey sands. Siltaceous cemented sand & silt below.	
			29	1500 END						* 28m sample ? location 40% core loss in run.
			30							





British  
Geological  
Survey

*Version 2.0.6.6*

BGS ID: 469106 : BGS Reference: TF05NW38  
British National Grid (27700) : 502600,356040



British Geological Survey

British Geological Survey

British Geological Survey

TF05/51

Core Analysis data

British Geological Survey

British Geological Survey

British Geological Survey

available from Aquifer Properties  
Laboratory, Engineering Geology and  
Reservoir Rock Properties group.

British Geological Survey

British Geological Survey

British Geological Survey

National Grid Reference :- TF 026 561

Laboratory sample number :- 1080

British Geological Survey

British Geological Survey

June 1985.

## **APPENDIX E6    BGS BOREHOLE LOGS – ZONE H**

---



British Geological Survey

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

RECORD of ~~WELL~~ BORINGS (Nos. 19-29) \* TF05NW9-13

Survey No. 1' N.S. 114  
1' O.S.  
Town, Village, &c. County Lincoln Six-inch map.  
Exact site (unless a tracing from a map is supplied, give distance and direction from parish church, cross-roads, or other object shown on maps). Description given made by L.H.C. for the (see facing) being used as a 1" scale. Popular Edition (Sheet of 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 borings at top 6 in., at bottom 6 in.  
Details of lining tubes (internal diameters preferred).....  
All the tubes were drilled to hole explosions (for the seismic method of geophysical surveying)  
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.....galls. per....., (ii) normal.....galls. per.....  
Quality (attach copy of analysis if available)  
Made by Le Grand Substaff & Co for M. J. Army Exploration Co Date of boring Nov. Dec. 1930  
Information from Mr. P.E. Kemp (Anglo-French Co)

(For Survey use only). GEOLOGICAL CLASSIFICATION.

TF05NW/A-10 NATURE OF STRATA. (For use with additional remarks)

THICKNESS. DEPTH. Feet. Inches. Feet. Inches.

No. 20, road near parish - see sketch

No. 19 + 20\* Records apparently not preserved. No. 19 was in Navenby, on N. side of road opposite Vine House. No. 20: Navenby Heath, against parish boundary, 1 mile 48 chains E of Navenby church + 1/2 chain N of the same road.

TF05NW/11

No. 21. Temple Bracer + Temple High Grange (joint) parish; about 40 chains N.W. of Temple High Grange Farm, 10 chains E of main road, + 60 chains S of road leading thence to Scepwick. O.D. ca +155 (may be 152-160). No water.

Top soil  
Soil with limestone  
Limestone

0-30	0-30
1-37	1-68
4-7	5-76
49-6	55-76
75-09	

TF05NW/12

No. 22. Same parish. About 51 chains N.E. of same farm, + 34 chains S of same road to Scepwick. W by N of Scepwick Lodge. O.D. say +105. No water.

Top soil  
Limestone  
Blue clay + stone  
Limestone

0-46	1-6
1-6	1-6
26-8	28-53
42-74	37-88
23-7-01	60-8-29

TF05NW/13

No. 23. Scepwick parish. (About 1/4 mile N.E. of Scepwick Lodge) One to a half mile W.N.W. of Scepwick church; ca. 3 chains S.E. of line or main to Scepwick Lodge from the N.W., + 34 chains S.W. from where line leaves the Scepwick-Navenby road. O.D. ca +80. Rest level of water 22 1/2' down. Water surface at 28 ft. down; water struck again at 43' down.

Top soil  
Soil roots + stones  
Soil + stones  
Layers of sand + limestone

0-30	1-
1-61	30-21
2-0-61	5-52
7-2-13	13-66
71-68	5-83

British Geological Survey

Lian. Lst.

Limestone  
Blue stone red  
Limestone  
Sand

+37 0.3

5	6	4	6
15	6	33	10 5'6
10	3	43	13
11	-	54	44

British Geological Survey

For Survey use only.

British Geological Survey

GEOLOGICAL SURVEY AND MUSEUM,  
SOUTH KENSINGTON,  
LONDON, S.W. 7.

Date received.	G.S.M.	M. of H. notified.	Site marked on 1" map.
22. iv. 37	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

(24798C) Wt 26930/205 5,000 11/36  
H. J. R & I.

CLR 9/10/90  
**RECORD OF WELL (SHAFT OR BORE)**  
 03645626

10 11A  
 TF 05NE4  
 1" N.S. 11 1/2"

At Rush Hill Farm  
 Town or Village Rush Hill Six-inch quarter sheet 27 SW/2

Exact site (Bank Top) (rough sketch-map or a tracing from a map is very desirable)  
Land church See tracing in parish of Rush Hill

Level of ground surface above sea-level (O.D.) 2107 ft. If well starts below ground surface, state how far \_\_\_\_\_ ft.

Shaft \_\_\_\_\_ ft., diameter \_\_\_\_\_ ft. Bore \_\_\_\_\_ ft. Diameter of bore: at top \_\_\_\_\_ ins.; at bottom \_\_\_\_\_ ins.

Details of permanent lining tubes (internal diameters preferred) \_\_\_\_\_

Water struck at depths of (feet) \_\_\_\_\_

Rest-level of water below top of well 44 feet. Suction at \_\_\_\_\_ feet. Yield on \_\_\_\_\_ hours' test

\_\_\_\_\_ gallons per \_\_\_\_\_ (with pump of capacity \_\_\_\_\_ g.p.h.); depressing water level to \_\_\_\_\_ feet below top. Time of recovery \_\_\_\_\_ hrs. Amount normally pumped daily \_\_\_\_\_ g.p.h. for \_\_\_\_\_ hours.

Quality (attach copy of analysis if available) \_\_\_\_\_

Sunk by T. South & Son for Mr. W.H. Balbach, Surveyor, Rush Hill Date of well July 1926

Information from W.P. Petrides & Son, Greening, par W.D. Evans

GEOLOGICAL CLASSIFICATION.	NATURE OF STRATA (and any additional remarks).	THICKNESS		DEPTH	
		Feet.	Inches.	Feet.	Inches.
* Soil	Red soil	0.46	1 6	1 6	0.46
G. Sandstone	Yellow sandstone	1.37	4 6	6	2.13
	Blue clay	0.30	1	7	3.35
G. Sandstone	Blue stone	1.22	4	11	4.57
	Blue clay	BWL 0.15		11 6	4.72
G. Sandstone	Blue stone	2.74	9	14	7.26
	Yellow sandstone	0.46	1 6	15	7.72
G. Sandstone	Blue clay	0.30	1	16	8.02
	Very hard blue stone	RLD 1.52		17 6	8.54
S. Silt	Black clay	0.61	2	18	8.85
	Blue stone	1.83	6	19 6	9.36
G. Sandstone	Blue clay	0.30	1	20	9.66
	Very hard blue stone	11.89	39	31 6	11.85
G. Sandstone	Brown sandstone	1.22	4	33	13.07
	Hard blue stone	9.75	32	43 6	14.14

Comments  
 ? ONE DAY RLD  
 RLD  
 6.71 Rock CLAY S&T RLD  
 11.28 CLAY Stone RLD  
 34.16 STONE RLD

For Survey use only

GEOLOGICAL SURVEY AND MUSEUM, SOUTH KENSINGTON, LONDON, S.W.7.

Date received: 1/11/26

G.S.M. O/Bore File No. 10

Site marked on 1" map (see symbol) 10

(\*11818 Wt. 29651/0.889 10,000 A.S.E.W. Ltd. Gp. 354)



**British  
Geological  
Survey**

*Version 2.0.6.6*

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



<<

< **Prev**

Page 1 of 5 ▾

Next >

>>

WELL BORING at *Digby Aerodrome, 17V* County *Lincoln* *86*  
 Geol. map *OS 40(NE)* 1 in. map New Series *114* 6 in. map *87 S.W.*  
 Made by *R.E. boring squad* Date *1985*  
 Bored  
 Communicated by *Col. Restler, Air Ministry*  
 Height above Ordnance Datum *OD. C102* 310.4 Rest level of water  
 Yield *sufficient quantity*  
 Quality (with copy of analysis on separate sheet) *M02 Bore - 04895665*

**TF05NW7/A**  
**114**  
**54A**

GEOLOGICAL FORMATION	NATURE OF STRATA.	THICKNESS.		TH. Feet.	Inches.
		Feet.	Inches.		
<p><i>Apparent 1st. ground as depicted in first column from <i>Geological Survey to H.M.W.</i></i></p> <p><i>[i.e. E.] U. Lincoln</i></p> <p><i>? Long. Lst. Int. acc. to 1st. column that not lower than <i>Central of 0.0</i> <i>Cl. 1st.</i></i></p> <p><i>at Digby</i></p> <p><i>WEST. G.F. of Est. R. M. Survey</i></p> <p><i>WEST. N.S.W. Est.</i></p> <p><i>WEST. U.L.T. (i.e. <i>U.L.T.</i>)</i></p> <p><i>rel. 3</i></p> <p><i>Int. acc. to 1st. column at Digby</i></p> <p><i>W. part of <i>Scapend. part West H.V.</i></i></p> <p><i>Site at <i>gk. A.F. (i.e. 49)</i></i></p> <p><i>[i.e. <i>53/98</i>]</i></p>	<p><i>Pennell gravel</i></p> <p><i>Hard siliceous limestone</i> <i>linc. lst.</i></p> <p><i>" " " " w. Sandstone bands.</i></p> <p><i>Very hard bluestone</i></p> <p><i>Bluestone with yellow sandstone</i></p> <p><i>Greyish blue (conglomerate)</i> <i>includes 1st. 2nd. of <i>conglomerate</i> in <i>genius</i> <i>traces</i></i></p> <p><i>Hard siliceous limestone</i></p> <p><i>Hard bluestone</i></p>	<p><i>0.61</i> 2</p> <p><i>0.52</i> 34</p> <p><i>2.66</i> 8</p> <p><i>8.38</i> 24</p> <p><i>0.61</i> 2</p> <p><i>5.49</i> 18</p> <p><i>1.22</i> 4</p> <p><i>1.37</i> 4</p> <p><i>0.51</i> 3</p> <p><i>0.61</i> 2</p> <p><i>4.88</i> 16</p>	<p>—</p> <p>6</p> <p>—</p> <p>6</p> <p>—</p> <p>—</p> <p>6</p> <p>6</p> <p>—</p> <p>—</p>	<p><i>0.61</i> 2</p> <p><i>11.13</i> 36</p> <p><i>13.56</i> 44</p> <p><i>21.95</i> 72</p> <p><i>22.82</i> 74</p> <p><i>28.06</i> 87</p> <p><i>29.26</i> 92</p> <p><i>30.67</i> 96</p> <p><i>31.35</i> 100</p> <p><i>32.14</i> 103</p> <p><i>37.03</i> 105</p> <p><i>6.</i> 171</p>	<p>—</p> <p>6</p> <p>6</p> <p>—</p> <p>—</p> <p>28.06</p> <p>29.26</p> <p>30.67</p> <p>31.35</p> <p>32.14</p> <p>37.03</p> <p>6.</p>
	<p><i>Blue sandy shale</i> <i>Lower Estuarine</i></p> <p><i>Soft yellow sandstone [? sand]</i> <i>Northampton Sands</i></p> <p><i>Dark blue shale</i> <i>Upper lias</i></p>	<p><i>Lower Estuarine</i></p> <p><i>Northampton Sands</i></p> <p><i>Upper lias</i></p>	<p>—</p> <p>—</p> <p>—</p>	<p>—</p> <p>—</p> <p>—</p>	<p>—</p> <p>—</p> <p>—</p>
	<p><i>A.B. bed on Lines 87 SW-E</i></p> <p><i>Site at <i>gk. A.F. (i.e. 49)</i></i></p>	<p><i>A.B. bed on Lines 87 SW-E</i></p>	<p>—</p>	<p>—</p>	<p>—</p>
	<p><i>[Digby aerodrome is apparently the same place as <i>Scapend. Camp</i> 119/93 <i>R.L.S. 1/2/42</i>]</i></p> <p><i>* Trouble was produced by a loose report from <i>GSM - 8?</i> did not find the "sufficient quantity" for being made)</i></p> <p><i>[Removal of gravel may be later, middle according to <i>W.D.A. R.L.S. 1/2/42</i>]</i></p> <p><i>Sited on Lines 87 SW-E</i></p> <p><i>M02 Bore. R.W.L. 53' b.s. 22.10.49. [W6 Return]</i></p> <p><i>Yield. 2,120 gpl. DM</i></p> <p><i>OD. C102.</i></p>	<p><i>[Digby aerodrome is apparently the same place as <i>Scapend. Camp</i> 119/93 <i>R.L.S. 1/2/42</i>]</i></p> <p><i>* Trouble was produced by a loose report from <i>GSM - 8?</i> did not find the "sufficient quantity" for being made)</i></p> <p><i>[Removal of gravel may be later, middle according to <i>W.D.A. R.L.S. 1/2/42</i>]</i></p> <p><i>Sited on Lines 87 SW-E</i></p> <p><i>M02 Bore. R.W.L. 53' b.s. 22.10.49. [W6 Return]</i></p> <p><i>Yield. 2,120 gpl. DM</i></p> <p><i>OD. C102.</i></p>	<p>—</p>	<p>—</p>	<p>—</p>
	<p><i>GSM 6469 of Digby</i></p> <p><i>Subst. gk. 4. xi. 25 by LAH</i></p>	<p><i>GSM 6469 of Digby</i></p> <p><i>Subst. gk. 4. xi. 25 by LAH</i></p>	<p>—</p>	<p>—</p>	<p>—</p>





British Geological Survey

Version 2.0.6.6

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

RECORD OF WELL (SHAFT OR BORE)

TF05/18A  
114  
54A

At Scopwick Camp (R.A.F.) No. 1 Bore.

Town or Village Scopwick

County Lincoln Six-inch quarter sheet 82 SW/E

For Mr. \_\_\_\_\_

Exact site of well TF05NW 0488 5668

(Attach a tracing from a map, or a sketch-map, if possible.)

Level of ground surface above sea-level (O.D.) 099 feet.

Is well-top at ground level? \_\_\_\_\_ If not, state how far above; \_\_\_\_\_ feet.

Shaft \_\_\_\_\_ ft., diameter \_\_\_\_\_ ft. Details of headings \_\_\_\_\_

Bore 91 ft.; diameter of bore: at top 11 ins.; at bottom \_\_\_\_\_ ins.

Lengths, diameters, perforations, etc., of lining tubes \_\_\_\_\_

Water struck at depths, below well-top, of (feet) 46 ft.

TEST DETAILS (Rest-level of water 38 ft. above well-top. Suction at \_\_\_\_\_ ft. Yield on \_\_\_\_\_ hours' days' pumping. \_\_\_\_\_ gallons per \_\_\_\_\_ (max. capacity of pump \_\_\_\_\_ g.p.h.), with depression of \_\_\_\_\_ feet. Recovery to \_\_\_\_\_ in \_\_\_\_\_ mins. hours.)  
Month May  
Year 1918

WORKING CONDITIONS (Rest-level of water in \_\_\_\_\_ (month), \_\_\_\_\_ (year), \_\_\_\_\_ ft. above well-top. Highest " in \_\_\_\_\_ (month), \_\_\_\_\_ (year), \_\_\_\_\_ ft. above " Lowest " in \_\_\_\_\_ (month), \_\_\_\_\_ (year), \_\_\_\_\_ ft. above " Suction at \_\_\_\_\_ ft. Rate of pumping \_\_\_\_\_ galls. per \_\_\_\_\_ for \_\_\_\_\_ hours per day. with average depression of \_\_\_\_\_ ft. Recovery to \_\_\_\_\_ in \_\_\_\_\_ mins. hours)

Quality of water (attach copy of analysis if available) \_\_\_\_\_

Well made by J. T. BARNES & son, Date of well Apr - May 1918

Information from SLEAFORD-

ADDITIONAL NOTES.

"Supply not known, but a lot of water"  
Dendroica marked on 1" map 47

(a) No. 1 Bore. R.N. 38' b.s  
Yield 2.480 gpl.  
O.D. 099

Rm 1918

**LOG OF STRATA OVERLEAF.**

**GEOLOGICAL SURVEY AND MUSEUM,  
SOUTH KENSINGTON,  
LONDON, S.W.7.**

Date received.	G.S.M. Office File No.	1" N.S. Map No.	1" O.S. Map No.	Site marked (use symbol) on 1" Map.	on 6" Map.
		124		△	⊙

(17306) W.42901/0877 10,000 2/41 A.G. H.W.L.L.L. Cp.686



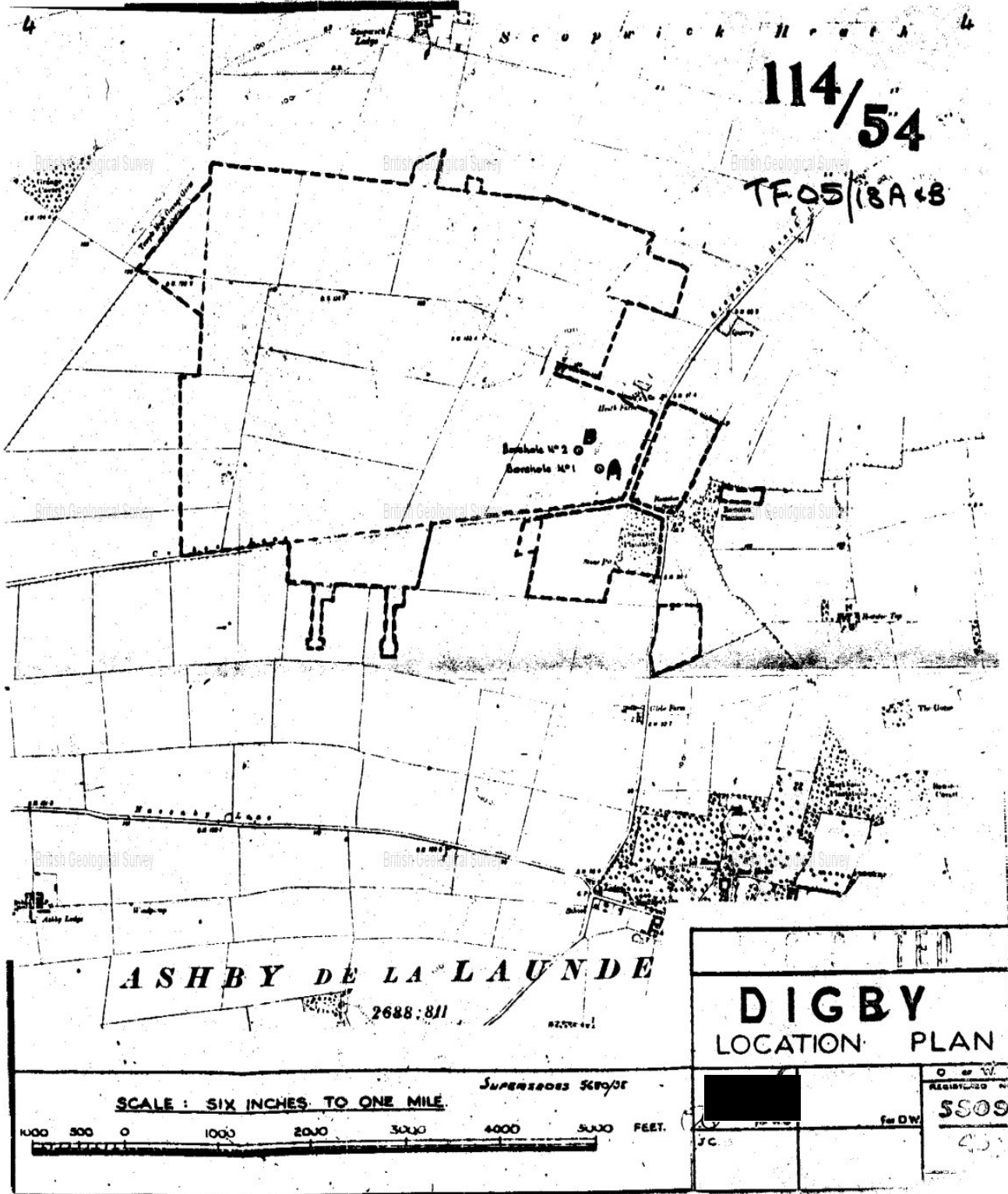




British Geological Survey

Version 2.0.6.6

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







**British Geological Survey**

Version 2.0.6.6

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

Job Number: 5312										Site: RAF Digby - Phase 1										Borehole No.: 1		Sheet 2 of 2			
Drilling Method: Rotary. Lorry Mounted Wirth Top Drive 135mm Open Hole Rotary Drilling Rig. Borehole Reamed out to 152mm. Water Level at 6.80m. Strong Ground Water at 10.00m.										Location: See Plan										Diameter of hole: 135mm to 17.00m		Instrumentation:			
										Client: Shepherd Construction										Logged by: EG		Log Scale: 10 m/page		Ground Level m AOD	
Date 1994	Depth of Casing (m)	Depth of Water (m)	Run No.	Run Depth (m)	TCR %	SCR %	RQD	FI	Legend	Change of Strata		Description of Strata	Summary of Laboratory Testing						Other Tests and Notes						
										Depth below GL (m)	Re-fused Level OD (m)		Thickness of Stratum (m)	Sample Depth (T) (m)	NMC %	PLI MN/m <sup>2</sup>	$\sigma$ Diam MN/m <sup>2</sup>	$\sigma$ Axial MN/m <sup>2</sup>		PLI MN/m <sup>2</sup>	$\sigma$ Axial MN/m <sup>2</sup>				
												Hard white LIMESTONE with occasional brown softer bands.													
										11.20	2.00	Hard grey LIMESTONE.													
										13.20	1.70	Grey CLAY.													
										14.90	2.10	Hard grey LIMESTONE.													
09/03										17.00		END OF BOREHOLE.													

Scale	<b>Symbols</b>		<b>Notes</b>	Geology : Lincolnshire Limestone from 0.20m to 17.0m.
As Shown	TCR Total Core Recovery % SCR Solid Core Recovery % RQD Rock Quality Designation FI Fracture Index	T Top of Sample PLI Point Load Index $\sigma$ Approximate uniaxial compressive strength from PLI		



British  
Geological  
Survey

*Version 2.0.6.6*

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



<<

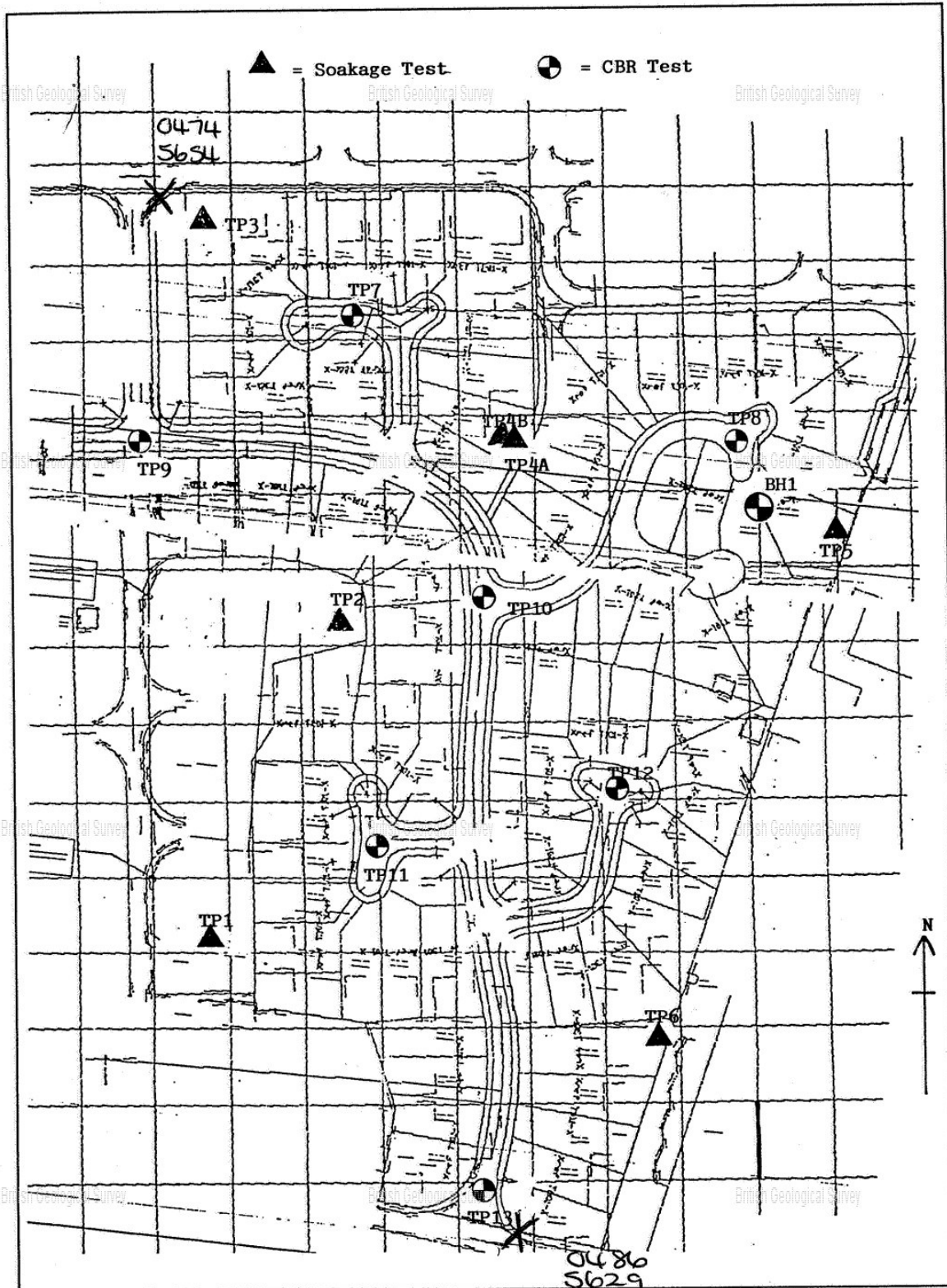
< Prev

Page 3 of 3 ▾

Next >

>>





<p>March 1994</p> <p>Dwg No 2</p>	<p>R.A.F. Digby - Phase 1</p> <p>Trial Pit/Borehole Location Plan</p>	<p>LINCS</p> <p>LAB</p> <p>Telephone (0522) 530355</p>
-----------------------------------	---	--

**APPENDIX E7 BGS BOREHOLE LOGS – ZONE I**

---

RECORD OF WELL (SHAFT OR BORE)

06225799

207

TF 05 NE 2  
100

SCOPIWICK.

Pilot borehole sunk by Messrs. Hamblett & Son for Messrs. British Crop Driers Ltd. at Scopwick, July 1943.

Ground level 60.83 O.D.

map, or a sketch map, if possible.

Sketch on Limes 87 NW-EE

Soil etc.	Soil & stones	0.46	1-6	
	Sand & gravel	0.57	3-6	1.52 5-0
	Soft limestone	3.76	13-0	4.49 18-0
	Hard limestone	3.81	12-6	4.30 30-6
	Very hard "	0.91	3-0	10.21 33-6
	Black clay	0.91	3-0	11.33 6-6
	Limestone	0.61	2-0	11.73 38-6
	Grey clay	0.61	2-0	12.34 40-6
	Limestone grey			
	" yellow	15.24	50-0	27.58 90-6
	" light grey			
Northampton Sands and Lower Estuarine Beds	Blue sandstone	2.74	9-0	30.33 99-6
	fairly hard			
? Upper lias	Limestone	0.91	3-0	31.24 102-6
	Black clay	1.05	10-0	34.41 112-6

Lined with 6" tubes. SAGK RH

Most water found in this layer.

hours' days' g.p.h.

Water rest level in bore 8 feet below ground level 25.7.43. (Sunday)  
 Centrifugal pump test gave 5,000 galls per hour measured over V-notch.  
 Impossible to measure loss of head owing to suction pipe filling bore tube.  
 Level of subsoil water between bore tube and working tube 12 feet below ground level.

above well-top.  
 below " "  
 above " "  
 below " "  
 hours per day.  
 mins.  
 hours

Edwin Hills M.S.E.  
 Engineer.  
 F. Western R.D.C.

This bore supplies most of the water used at the British Crop Driers' Factory (see 114/123)

24. June No 3 Regional Engines (1100 & 1400) per D. Attard 25. VI. 48  
 14-12" Com. Barometer submersible pump. 35 H.P.A. motor.  
 8000 g.p.h. but throttled back to 7000 g.p.h.  
 13.5 hrs 8 hours/day. Summer 4.5 hours/day. Not worked continuously but makes up storage in 12,000 gallon tank.

LOG OF STRATA OVERLEAF.

GEOLOGICAL SURVEY AND MUSEUM,  
 SOUTH KENSINGTON,  
 LONDON, S.W.7.

Date received.	G.S.M. Office File No.	1" N.S. Map No.	1" O.S. Map No.	Site marked (use symbol) on 1" Map. on 6" Map.	
				○	○



British Geological Survey

Version 2.0.6.6

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

TF05NE3

A description of the strata pierced should be given as follows:—

	Thickness of each stratum.		Total depth the su
	Feet.	Inches.	
Vegetable Soil.	4	1.22	4 1.22
Running Quick Sands (S)	12	3.66	16 4.88
White Limestone	24	7.32	40 12.19
Blue Limestone	40	12.19	80 24.38
Hard Blue Limestone	36	10.97	116 35.36
Blue clay [? U. lin. h. d. zone]	4	1.22	120 36.58

*Notes:*  
 O.K. sampler for W.B. Marsden's 1924 partial return:—  
 1st level: max. 64.5', min. 51.5' (O.D.)  
 2nd level: max 58', min 48' (O.D.)  
 Pumps: 5" x 6" double run, 3000 g.p.h. capacity, working average 3 hrs. per day.  
 Response [Water Table dist. 1 mile N. of bore] 31,000 g, 10 ft deep, try into bore 135.5 ft O.D.  
 Yield near fully filtered, max flow 150,000 gals per day, maximum pressure 7,500 g, by 540 p.s.i.

The static level of water in Borehole was taken under favourable conditions. The variation in the static level of water in the boreholes belonging to the council in the North District averages 9'6". The variation in the South district is much greater having been found at Osbourneby on one occasion to be 28' 10". The Quick sands shown in Section have been cut off from borehole by means of a 4'0" diameter\* C.I 1 1/8" thick cylinder, and there is no pollution whatever to the borehole.

(\*W.B.M. says 5' diameter in water report)

W.B. Marsden  
 Engineer Surveyor  
 to the R.D.C.

Feb 25<sup>th</sup> 1911

May be partly of Mt. Est. Series? ~~unconformity~~ but more likely a sand of Lot. Particles - 1/4" in size situated at head of ~~Special Bed~~ i.e. at site of former boring.

The following should also be forwarded to the Board:—

- (1.) Map 6 in. to 1 mile. On this map the position of the well or boring should be shown in red color.
- (2.) Section to scale showing the size of the well or boring, strata pierced, rest level of water, and other particulars.

*Handwritten signature*

CLR 9/10/90  
**RECORD OF WELL (SHAFT OR BORE)**  
 03645626

10 11A  
 TF 05NE4  
 1" N.S. 11 1/2"

At Road Hill Farm  
 Town or Village Road Hill Six-inch quarter sheet 27 SW/2

Exact site Bank Top (rough sketch-map or a tracing from a map is very desirable)  
Land church See tracing in parish of Road Hill

Level of ground surface above sea-level (O.D.) 2107 ft. If well starts below ground surface, state how far \_\_\_\_\_ ft.  
 Shaft \_\_\_\_\_ ft., diameter \_\_\_\_\_ ft. Bore \_\_\_\_\_ ft. Diameter of bore: at top \_\_\_\_\_ ins.; at bottom \_\_\_\_\_ ins.

Details of permanent lining tubes (internal diameters preferred)

Water struck at depths of (feet)

Rest-level of water below top of well 44 feet. Suction at \_\_\_\_\_ feet. Yield on \_\_\_\_\_ hours' test  
above top of well \_\_\_\_\_ feet. Yield on \_\_\_\_\_ days' test \_\_\_\_\_ gallons per \_\_\_\_\_ (with pump of capacity \_\_\_\_\_ g.p.h.); depressing water level to \_\_\_\_\_ feet below top. Time of recovery \_\_\_\_\_ hrs. Amount normally pumped daily \_\_\_\_\_ g.p.h. for \_\_\_\_\_ hours.

Quality (attach copy of analysis if available)  
 Sunk by T. South & Son for Mr. W.H. Baldock, Surveyor, Romford Date of well July 1926  
2107

Information from W.P. Pettigrew & Son, Greenway, par W.D. Evans

GEOLOGICAL CLASSIFICATION.	NATURE OF STRATA (and any additional remarks).	THICKNESS		DEPTH	
		Feet.	Inches.	Feet.	Inches.
* See below	(map locatn.) Red soil	0.46	1 6	1 6	0.46
Sil. imp. sandstone	Yellow sandstone	1.37	4 6	6	2.13
Gneiss	Blue clay	0.30	1	7	3.35
	Blue stone	1.22	4	11	7.5
Limestone	Blue clay	0.15			
	Blue stone	2.74	9		
Limestone	Yellow sandstone	0.46	1 6		
	Blue clay	0.30		25	3.35
Upper Silurian	Very hard blue stone	1.52		28	3.35
	Black clay	0.61		30	
Beds	Blue stone	1.83			
	Blue clay	0.30	1		
Limestone	Very hard blue stone	11.89	39	76	24
	Brown sandstone	1.22		80	34.14
Limestone	Hard blue stone	9.75	32		

6.71 Rock CLAY SST BDT  
 11.28 CLAY Stone RLD  
 34.14 STONE LL

Comments  
 ? ONE DAY RLD  
 RLD

at 50 meters down.

For Survey use only

GEOLOGICAL SURVEY AND MUSEUM, SOUTH KENSINGTON, LONDON, S.W.7.

Date received: 1/11/26

G.S.M. of Bore File No. 10

Site marked on 1" map (see symbol)

(\*11818 Wt. 29661/0.889 10,000 A.S.E.W. Ltd. Gp 434)



British Geological Survey

Version 2.0.6.6

BGS ID: 469063 : BGS Reference: TF05NE54  
British National Grid (27700) : 506370,357820

<< < Prev Page 3 of 7 Next > >>

[See 114/37 on preceding page same with R.L. 57460]  
[Depth & location of lower hole also investigated but is adjacent to R.L. 57460]

114  
I/206 1/4 114/69

To be furnished in Triplicate.  
Transferred under SI:1961:2349 to  
Kesteven Water Board  
WELLS AND BOREHOLES

51B

Information to be supplied to the Ministry of Health

TF 05/138

Name of District EAST KESTEVEN RURAL DISTRICT

If the District is a Rural District, name of  
Contributory Place concerned Scotwick, Digby, Rowston, etc..

Level of surface of ground above O.D. 55.58'

Depth and diameter of shaft or boring, or of each 15" bore to 42' 5" (line for 42' down)  
8" bore to 100'

Depth or depths at which water was found 4.58' O.D. and -32.42' O.D.  
5' 4" 10' 4"

Yield of water in gallons per diem, as ascertained by  
continuous pumping during ----- days or  
otherwise overflowed 210,000 gallons.  
3750 g.p.h.

Level of water (above O.D.) at commencement of pumping ---

Level of water (above O.D.) at cessation of pumping ---

Time taken for water to return to original rest level  
after pumping ceased ---

Water rose to ground level & was allowed to run for two weeks then gauged & found to be 210,000 gallons per day. (An elec. motor driven pump is to be installed - capacity 3000 gallons per hour.)

A tabulated Statement should be sent showing the quantity of water pumped in each 24 hours during the duration of the test together with the level of the water (above O.D.) at the end of each day. If there should be any stoppage, the reason and duration should be stated. ---

Distances of the well or borehole from any other known wells or boreholes in the neighbourhood 7 feet.

Quality. (Copies of chemical and bacteriological analyses should be annexed. Information as to the mineral constituents of the water is desirable) Attached.

A 6" to the mile Ordnance map showing (in red) the precise situation of the well or borehole Attached.

Scotwick parish; 130' SW of road - 1/4 mi. W. of village. Next to house 114/51. 1st hole not good - but 2nd hole 7 ft. down

Date of completion of well or borehole June 16th, 1937.

Well or borehole sunk by Messrs. Wm. Stone & Co., Eye, Suffolk.

Signed ( [redacted] )

Date 12th July, 1937.

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.

British Geol. K. 20 a

British Geological Survey

P. T. O.  
British Geological Survey

S.P.M. 4126-2-1000-AP





**British  
Geological  
Survey**

*Version 2.0.6.6*

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



<<

< **Prev**

Page 1 of 5 ▾

Next >

>>

RECORD OF WELL (SHAFT OR BORE)

169 230  
TF05NE/5  
94

At Stallington

Town or Village Stallington

County Lincoln Six-inch quarter sheet 87 SW/E

For Mr. \_\_\_\_\_

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.) 78 feet.

Is well-top at ground level? \_\_\_\_\_ If not, state how far above; \_\_\_\_\_ feet. below; \_\_\_\_\_ feet.

Shaft \_\_\_\_\_ ft., diameter \_\_\_\_\_ ft. Details of headings \_\_\_\_\_

Bore \_\_\_\_\_ ft.; diameter of bore: at top \_\_\_\_\_ ins.; at bottom \_\_\_\_\_ ins.

Lengths, diameters, perforations, etc., of lining tubes \_\_\_\_\_ [4.40]

Water struck at depths, below well-top, of (feet) \_\_\_\_\_

TEST D <sub>1</sub>	Section at _____ ft.	Yield on _____ hours' days' _____ g.p.h.),
Month _____		
Year <u>1907 (1st)</u>		is.
<u>1908</u>		irs.
<u>1909</u>		
		ft. above well-top.
		ft. below "
		ft. above "
		ft. below "
		_____ hours per day.
		mins.
		hours

Quality of water (attach copy) \_\_\_\_\_

J. T. BARNES & SONS

Well made by \_\_\_\_\_ Date of well \_\_\_\_\_

SLEAFORD

Information from \_\_\_\_\_

ADDITIONAL NOTES.

Visited. Sited on Lines 87SW-E.  
Farmer: J. Bamber.  
Supplies farm. Plentiful supply.  
Was tested to 400 gph when sunk.  
O.D. C 78.

4.7.51 AM.

LOG OF STRATA OVERLEAF.

GEOLOGICAL SURVEY AND MUSEUM,  
SOUTH KENSINGTON,  
LONDON, S.W.7.

Date received.	G.S.M. Office File No.	1" N.S. Map No.	1" O.S. Map No.	Site marked (use symbol) on 1" Map.	on 6" Map.
		114		⊙	⊙



**British  
Geological  
Survey**

*Version 2.0.6.6*

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



<<

< Prev

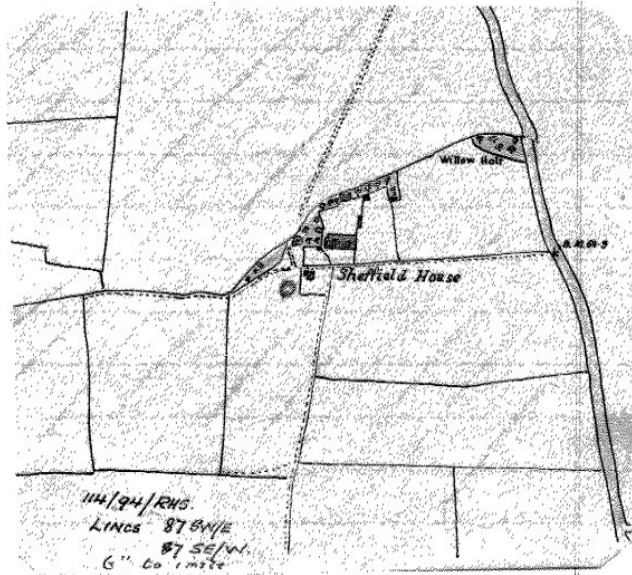
Page 2 of 5 ▾

Next >

>>

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA If measurements start below ground surface, state how far... ..	THICKNESS		DEPTH	
		feet	inches	feet	inches
	Soil			3	
	<del>Blanchet</del> Gt. Oolite Lst	10	36	37	
	And Upper Estuarine Beds	18	29	97	29.56
	Lincolns Lst	1	52	102	

RJB





British Geological Survey

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

RECORD OF WELL (SHAFT OR BORE) <sup>720</sup>

At Sheffield House

Town or Village Sheffield

County Lincoln Six-inch quarter sheet 8700 SW/E

For Mr. \_\_\_\_\_

Exact site of well TF05NE 0680 5669

114/94  
TF05/2

(Attach a tracing from a map, or a sketch-map, if possible.)

Level of ground surface above sea-level (O.D.) 0.78 feet.

Is well-top at ground level? \_\_\_\_\_ If not, state how far above; \_\_\_\_\_ feet.  
below; \_\_\_\_\_ feet.

Shaft \_\_\_\_\_ ft., diameter \_\_\_\_\_ ft. Details of headings \_\_\_\_\_

Bore \_\_\_\_\_ ft.; diameter of bore: at top \_\_\_\_\_ ins.; at bottom \_\_\_\_\_ ins.

Lengths, diameters, perforations, etc., of lining tubes 6" tubes to blue rock [140]

Water struck at depths, below well-top, of (feet) \_\_\_\_\_

TEST DETAILS { Rest-level of water \_\_\_\_\_ ft. above well-top. Suction at \_\_\_\_\_ ft. Yield on \_\_\_\_\_ hours' days' pumping \_\_\_\_\_ gallons per \_\_\_\_\_ (max. capacity of pump \_\_\_\_\_ g.p.h.), with depression of \_\_\_\_\_ feet. Recovery to \_\_\_\_\_ in \_\_\_\_\_ mins. hours.

WORKING CONDITIONS { Rest-level of water in \_\_\_\_\_ (month), \_\_\_\_\_ (year), \_\_\_\_\_ ft. above below well-top. Highest " in \_\_\_\_\_ (month), \_\_\_\_\_ (year), \_\_\_\_\_ ft. above below " Lowest " in \_\_\_\_\_ (month), \_\_\_\_\_ (year), \_\_\_\_\_ ft. above below " Suction at \_\_\_\_\_ ft. Rate of pumping \_\_\_\_\_ galls. per \_\_\_\_\_ for \_\_\_\_\_ hours per day. with average depression of \_\_\_\_\_ ft. Recovery to \_\_\_\_\_ in \_\_\_\_\_ mins. hours

Quality of water (attach copy of analysis if available) \_\_\_\_\_

Well made by J. T. BARNES & SON, Date of well Oct 1936

Information from SLEAFORD-

ADDITIONAL NOTES.

Plenty of water.

Noted. Sited on Lines 875W-E.

Famer: J. Bamber.

Supplies farm. Pleasant supply.

Was tested to 400 gph when sunk.

OD. C78.

4.7.51 RM.

Windpump on 1" poplar 1963. & 6" grid steel.

**LOG OF STRATA OVERLEAF.**

**GEOLOGICAL SURVEY AND MUSEUM,  
SOUTH KENSINGTON,  
LONDON, S.W.7.**

Date received.	G.S.M. Office File No.	1" N.S. Map No.	1" O.S. Map No.	Site marked (use symbol) on 1" Map. on 6" Map.	
		114		⊙	⊙

British Geological Survey (17300) W642901/0877 10,000 2/41 A.S. E.W.LAL Gp.880



**British  
Geological  
Survey**

*Version 2.0.6.6*

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



<<

< Prev

Page 4 of 5 ▾

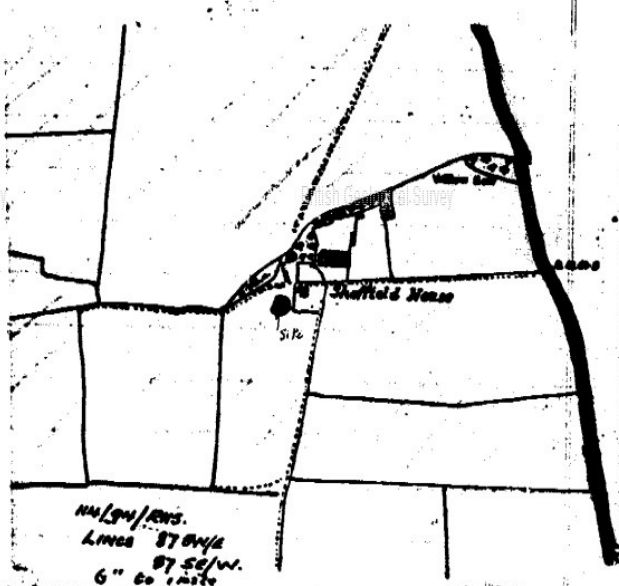
Next >

>>

(For Survey use only) GEOLOGICAL CLASSIFICATION	NATURE OF STRATA If measurements start below ground surface, state how far... ..	THICKNESS		DEPTH	
		Feet	Inches	Feet	Inches
		...	...	...	...
Qt. Gravel det to U. Estuarine	Soil - gravel Soil	3		3	-
Lower det. (WBE)	Clay & fine Qt. Oolite Lst + Upper Estuarine Beds Blue rock } Lincs. Lst. Limestone }	34		37	-
		60		97	-
		5		102	-

TF05/2/14/94

RJB.  
16/12/75







British Geological Survey

Version 2.0.6.6

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

WATER RESOURCES BOARD (Geology Division)

Reference Number G.S.M. 114/94 ..... TF05/2 .....

Chemical analysis of water sample (to be copied in the same units as original document)

Source of sample ..... SHEFFIELD HOUSE .....

N.G.R. .... Date Collected ..... 15/11/68 .....

Aquifer ..... LINCOLNSHIRE LIMESTONE .....

Analyst ..... F. A. LYNE ..... Analyst's ref.no. .... 69 .....

Appearance .....

E. cond. at 20°C ..... Turbidity (silica scale) .....

Reaction pH ..... 7.7 ..... Colour (hazen) .....

S.G. at ..... Odour .....

Temperature ..... °C / ..... °F ..... Taste .....

Constituents (the units of the original analysis to be indicated, if not mg/l)

	Units:	mg/l		Units:	mg/l
T.D.S. (dried at 180°C)	.....	<u>566</u>	Nitrogen in nitrates	.....	.....
Hardness, Total*	.....	<u>410</u>	Nitrogen in nitrites	.....	.....
Carbonate*	.....	.....	Free ammonia	.....	.....
Non-carbonate*	.....	.....	Albuminoid ammonia	.....	.....
Alkalinity*	.....	<u>240</u>	Oxygen absorbed in	.....	.....
Chlorine in chlorides	.....	<u>55</u>	4 hours at 27°C	.....	.....
Free carbon dioxide	.....	.....	Residual chlorine	.....	.....
Silica	.....	.....		.....	.....
Fluoride	.....	<u>4.05</u>		.....	.....
Metals	.....	.....		.....	.....

\* expressed as calcium carbonate

	Units:	mg/l	me/l	Percentage reacting equivalents
Calcium (Ca)	.....	.....	.....	.....
Magnesium (Mg)	.....	.....	.....	.....
Sodium (Na)	.....	.....	.....	.....
Potassium (K)	.....	.....	.....	.....
Total				
Carbonate (CO <sub>3</sub> )	.....	.....	.....	.....
Bicarbonate (HCO <sub>3</sub> )	.....	.....	.....	.....
Sulphate (SO <sub>4</sub> )	.....	<u>116</u>	.....	.....
Chloride (Cl)	.....	<u>55</u>	.....	.....
Nitrate (NO <sub>3</sub> )	.....	.....	.....	.....
Total				

Remarks: (continue overleaf if necessary)

 British Geological Survey

British Geological Survey

British Geological Survey

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



British Geological Survey

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

**RECORD of WELL-BORING (Nos. 14-17)**

Survey No. 114  
 1" N.S.  
 1" O.S.

Across the railway of the Lincolnshire Limestone, 9 miles S. of Lincoln.

Town, Village, &c. \_\_\_\_\_ County Lincoln Six-inch map \_\_\_\_\_

Exact site (unless a tracing from a map is supplied, give distance and direction from parish church, cross-roads, or other object shown on maps). (Description of site made by G.H.D. from the one-inch map. (Square) (see tracing) being used is on 1" scale. Popular Edition (Sheet of \_\_\_\_\_ of \_\_\_\_\_ 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 borings at top 6 in., at bottom 6 in.

Details of lining tubes (internal diameters preferred) \_\_\_\_\_  
All the tubes were drilled to tube explosive (for the seismic method of geophysical 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 \_\_\_\_\_ galls. per \_\_\_\_\_, (ii) normal \_\_\_\_\_ galls. per \_\_\_\_\_

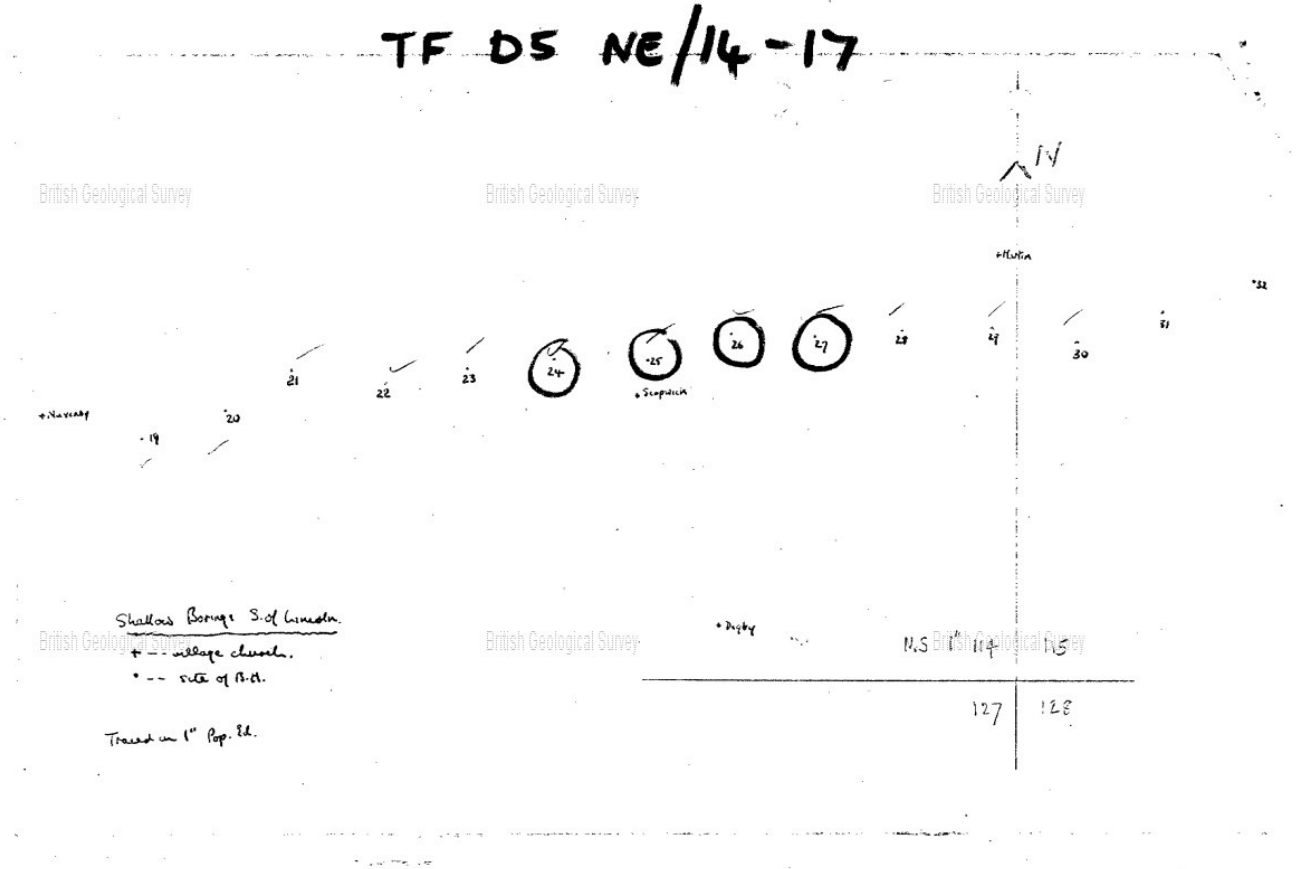
Quality (attach copy of analysis if available) \_\_\_\_\_

Made by Le Grand, Sutcliffe & Co. Ltd for Mr. J. Aron Exploration Co Date of boring Nov. 1930

Information from Mr. P. E. Kemp (Anglo-Bohemian Co.)

(For Survey use only)

		THICKNESS	DEPTH
	<b>TF05 NE/14 + 15</b>		
	No. 24 + 25 Records of 14 not preserved. No. 24 was 64 chains W.N.W. of Scapwick church, or just N. of the Navvily road. No. 25 was 26 chains N by E of Scapwick church and 26 chains E of the Blankney road at the turning to Navvily + Lincoln.		
	<b>TF05 NE/16</b>		
	No. 26. Scapwick parish; on the boundary, 78 chains E.N.E. of Scapwick church and about 9 chains W.S.W. of Scapwick Lodge Farm. [Location near Scapwick Lodge of bore 23]. O.D. [just below 50' centre] say 49'. No water reported		
Combrash	Mould	0-5	- 60.5
	Soft red brown	0-38	1 90.53
	Limestone	5-52	6 92.06
	Mottled clay	20-61	8 92.67
	Clay	39-89	48 94.63
	Hard sandy clay	123-66	60 182.9
	"Bore is a Combrash core of good. water. ? when is it. OK to let"		
	<b>TF05NE17 MARTIN PARISH BORE NO. 27</b>		<b>TF 09541 58809</b>
	<b>TF05 NE/17</b>		
	No. 27. Martin parish, on the Timberland boundary. 8 chains E of the railway and 37 chains N. by E of bridge (or level crossing?) at Scapwick station. O.D. (just below 25' centre) say 24'. Rest water level 3 ft. down.		
	Top soil	1 -	1 -
	Mottled clay	39-89	40 92.19
	Blue sandy clay	20-610	60 182.9
	"? Kellaway under B. Clay. [If so] Chr. is here - 35' [or less], but it is 40 + 47' O.D. in No 26 - giving depth of 83' for 3/4 mile - 112 ft. per mile."		



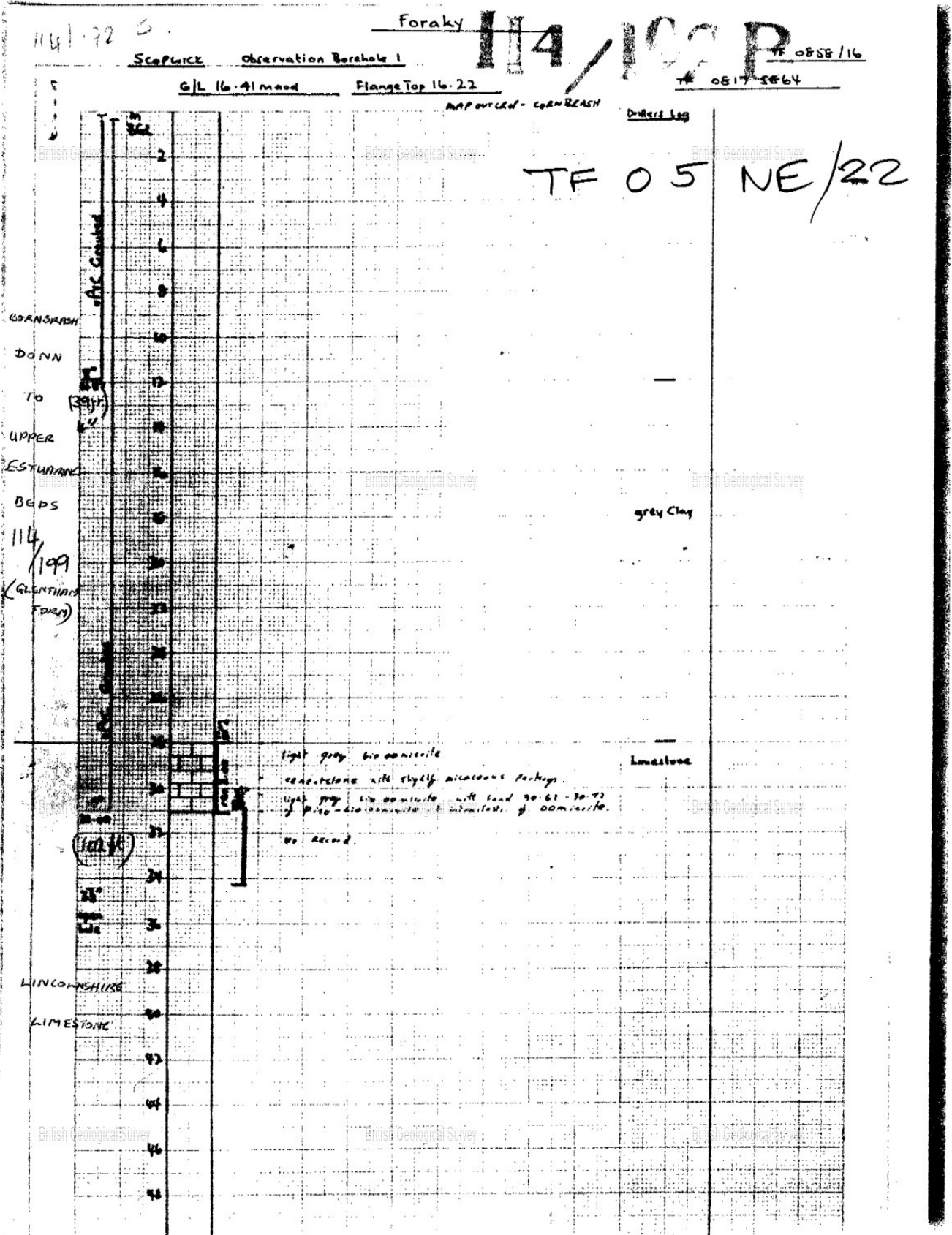


British Geological Survey

Version 2.0.6.6

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

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





<<

< Prev

Page 2 of 6 v

Next >

>>

Scaphwick obs. n.91

114/192 B TF05 NE/22 TP 0858/16

<p>52 LINGS LST. (CONT)</p> <p>54</p> <p>GERINTHAM FORT. 56 + NORTHANTS SAND + COLBY MUDSTON 58</p> <p>59.25m Total depth</p> <p>(194' 10")</p> <p>G D G</p> <p>6-12-79</p>	<p style="text-align: right;">bottom Lmt</p> <p style="text-align: center;">Drilled by FORBES 4/5/76 - 14/5/1976</p> <p style="text-align: center;">1 bar core at Appleby core store. Logged P.F.C. 9/8/79.</p>
---	---

114/192 B



**British  
Geological  
Survey**

*Version 2.0.6.6*

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



<<

< Prev

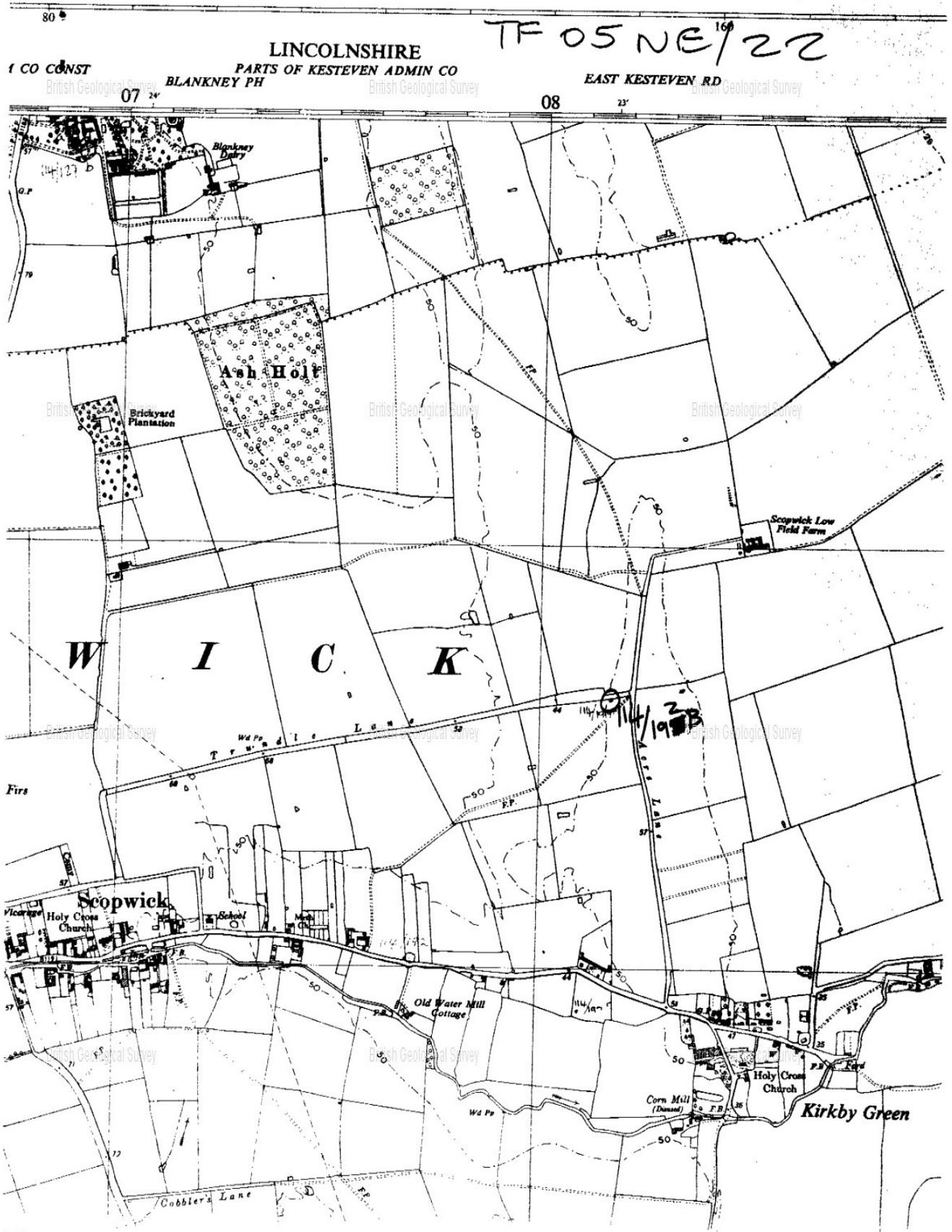
Page 3 of 6 ▾

Next >

>>

# Scale 1:10,560 or 6 Inches to 1 Mile

Provisional







**British  
Geological  
Survey**

*Version 2.0.6.6*

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



<<

< Prev

Page 5 of 6 ▾

Next >

>>

Scopwick obs. N°1

114/192 B

TF05/45  
TF 0858/16

WINDINGSHIRE  
LIMESTONE 52  
(CONT.)  
54

GRANTHAM FM 56  
+ NORTHANTS SAND  
+ COLESBY MUDSTONE 58

59.25m  
Total depth

(194' . 10")

bottom limb

Drilled by FORBAY 1/5/76 - 14/5/1976

1 box core at Appleby core store. Logged P.F.C. 9/9/99

PER  
G.D.G.  
6.12.79.

114/192  
B



**British  
Geological  
Survey**

*Version 2.0.6.6*

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



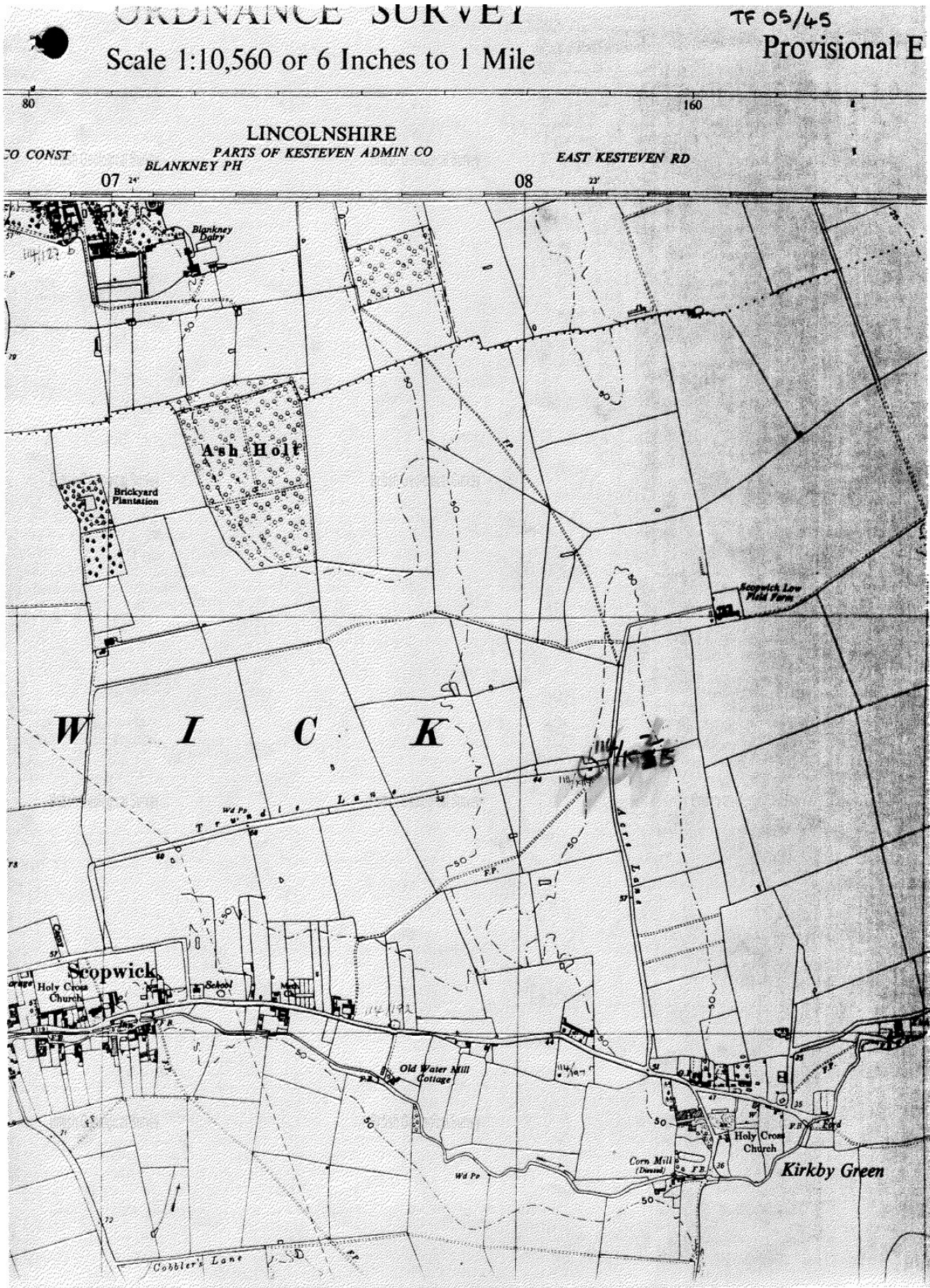
<<

< Prev

Page 6 of 6 ▾

Next >

>>



**APPENDIX E8 BGS BOREHOLE LOGS – ZONE J**

---



British Geological Survey

Version 2.0.6.6

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

**RECORD of WELL-BORING (Nos. 14-17)**

Survey No. 114  
1" N.S.  
1" O.S.

Across the railway of the Lincolnshire Limestone, 9 miles S. of Lincoln.

Town, Village, &c. \_\_\_\_\_ County Lincoln Six-inch map \_\_\_\_\_

Exact site (unless a tracing from a map is supplied, give distance and direction from parish church, cross-roads, or other object shown on maps). (Description of site made by G.N.D. from the Popular Edition sheet of \_\_\_\_\_ of \_\_\_\_\_ one-inch map. (Square \_\_\_\_\_) (see tracing) being used is on 1" scale.

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 borings at top 6 in., at bottom 6 in.

Details of lining tubes (internal diameters preferred) \_\_\_\_\_  
All the tubes were drilled to tube explosive (for the seismic method of geophysical 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 \_\_\_\_\_ galls. per \_\_\_\_\_, (ii) normal \_\_\_\_\_ galls. per \_\_\_\_\_

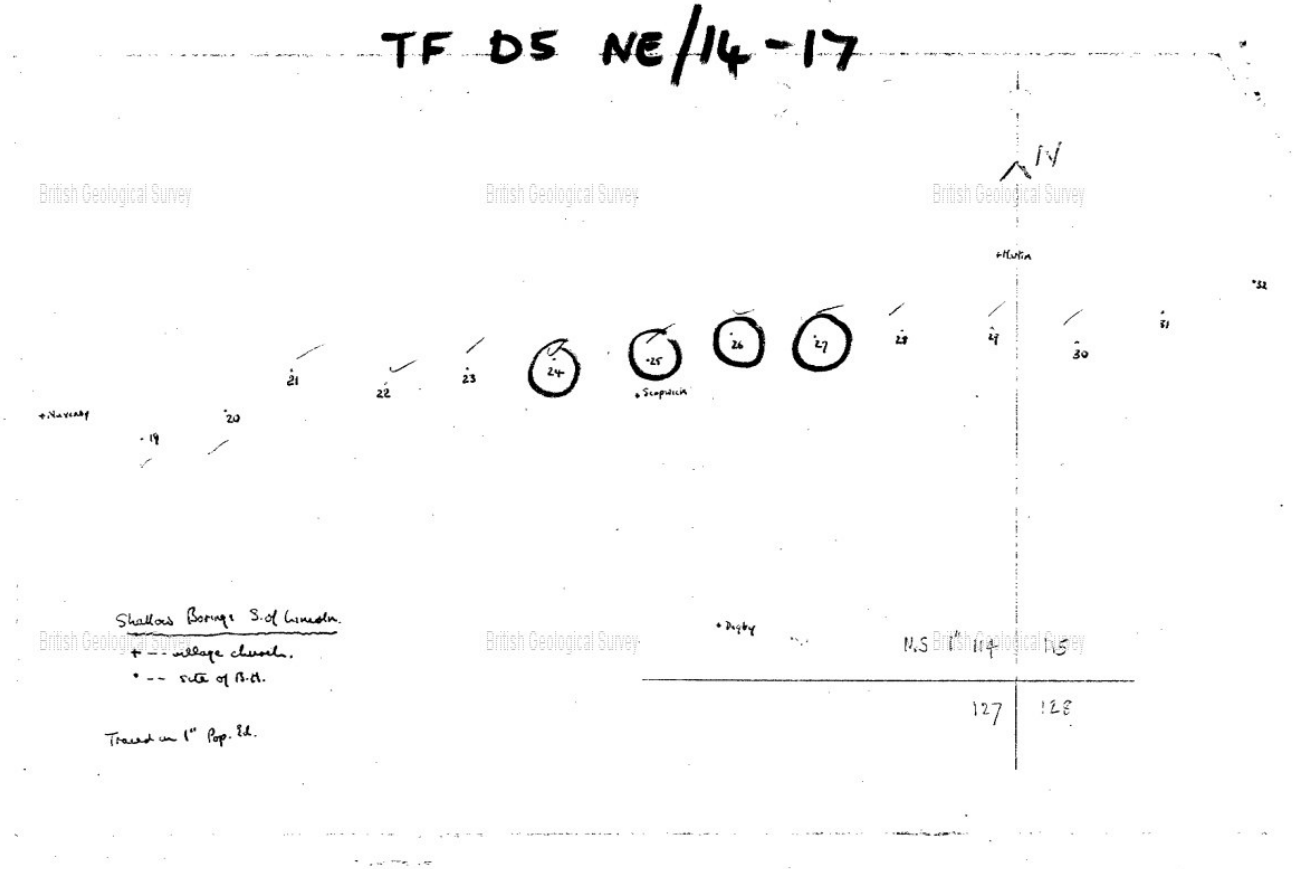
Quality (attach copy of analysis if available) \_\_\_\_\_

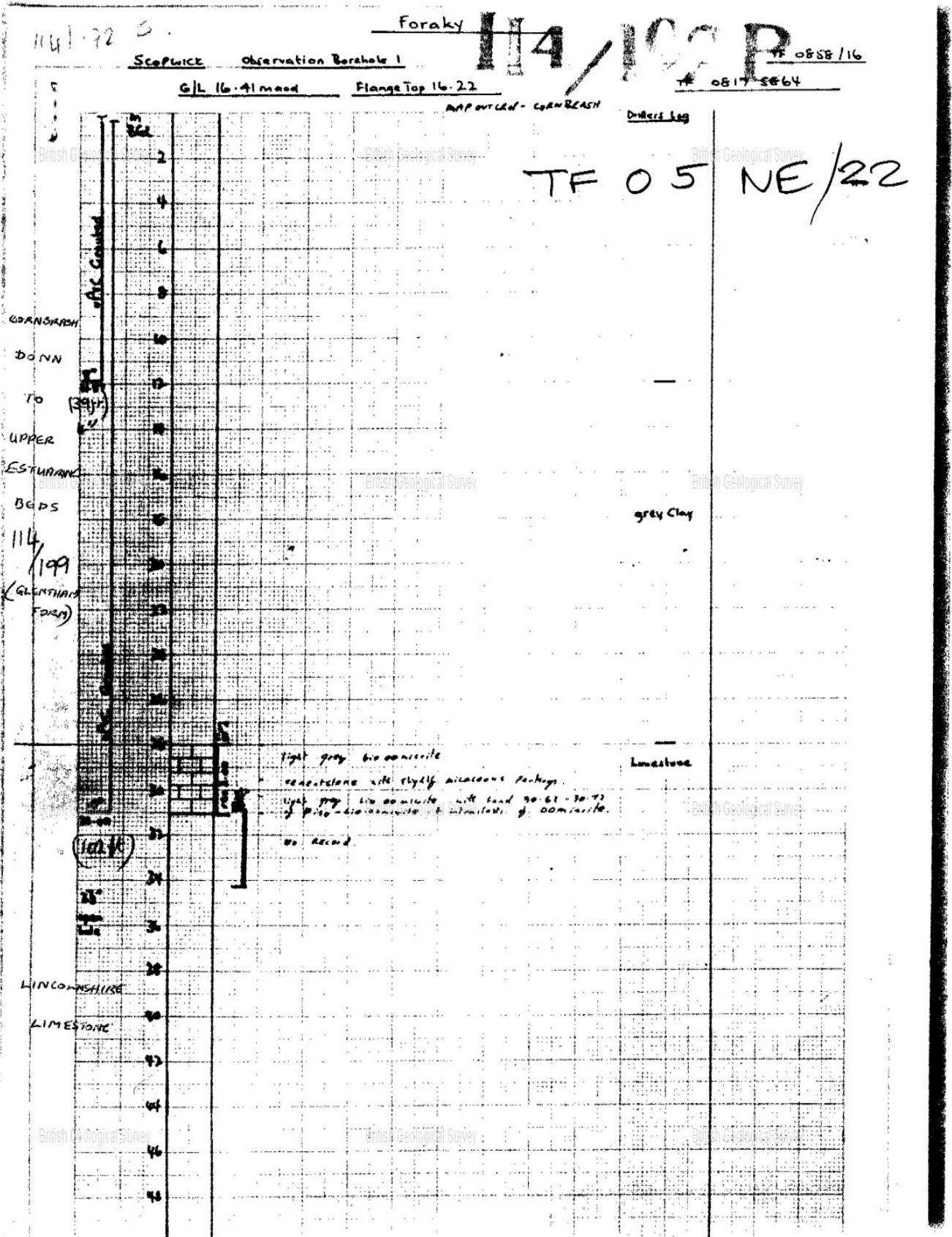
Made by Le Grand, Sutcliffe & Co. Ltd for Mr. J. Arvey Exploration Co Date of boring Nov. 1930

Information from Mr. P. E. Kemp (Anglo-Bohemian Co.)

(For Survey use only)

	THICKNESS	DEPTH
<b>TF05 NE/14 + 15</b>		
Nos. 24 + 25 Records of 11' not preserved. No. 24 was 64 chains W.N.W. of Scapwick church, & just N. of the Navvly road. No. 25 was 26 chains N by E of Scapwick church and 26 chains E of the Blankney road at the turning to Navvly + Lincoln.		
<b>TF05 NE/16</b>		
No. 26. Scapwick parish; on the boundary, 78 chains E.N.E. of Scapwick church and about 9 chains W.S.W. of Scapwick Lodge Farm. [position near Scapwick Lodge of bore 23]. O.D. [just below 50' centre] say 49'. No water reported		
<ul style="list-style-type: none"> <li>Mould</li> <li>Soft red brown</li> <li>Limestone</li> <li>Mottled clay</li> <li>Clay</li> <li>Hard sandy clay</li> </ul>	<ul style="list-style-type: none"> <li>0-5</li> <li>0-38</li> <li>5-52</li> <li>20-61</li> <li>39-89</li> <li>123-66</li> </ul>	<ul style="list-style-type: none"> <li>-</li> <li>1</li> <li>6</li> <li>8</li> <li>48</li> <li>60</li> </ul>
"Bore is a Cambrian crop of good. water. ? when is it. O.K. to let"		
<b>MARTIN PARISH BORE NO. 27</b>		
TF 09541 58809		
<b>TF05 NE/17</b>		
No. 27. Martin parish, on the Timberland boundary. 8 chains E of the railway and 37 chains N. by E of bridge (or level crossing?) at Scapwick station. O.D. (just below 25' centre) say 24'. Rest water level 3 ft. down.		
<ul style="list-style-type: none"> <li>Top soil</li> <li>Mottled clay</li> <li>Blue sandy clay</li> </ul>	<ul style="list-style-type: none"> <li>1 -</li> <li>39-89</li> <li>20-610</li> </ul>	<ul style="list-style-type: none"> <li>1 -</li> <li>40</li> <li>60</li> </ul>
" ? Kellaway under B. Clay. [If so] Ch. is here - 35' [or less], but it is 40 + 47' O.D. in No 26 - giving depth of 83' for 3/4 mile - 112 ft. per mile."		









Scaphwick obs. no 1

114/192 B TF05 NE/22 TP 0858/16

<p>LINGS LST. (CONT)</p> <p>52</p> <p>54</p> <p>GERINTHAM FORT. 56</p> <p>† NORTHANTS SAND</p> <p>† COLBY MUDSTONES</p> <p>59.25m</p> <p>Total depth</p> <p>(194' 10")</p> <p>G D G</p> <p>6-12-79</p>	<p style="text-align: right;">bottom Lmt</p> <p style="text-align: center;">Drilled by FORBES 4/5/76 - 14/5/1976</p> <p style="text-align: center;">1 bar core at Appleby core store. Logged P.F.L. 9/8/79.</p>
--	---

114/192 B



**British  
Geological  
Survey**

*Version 2.0.6.6*

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



<<

< Prev

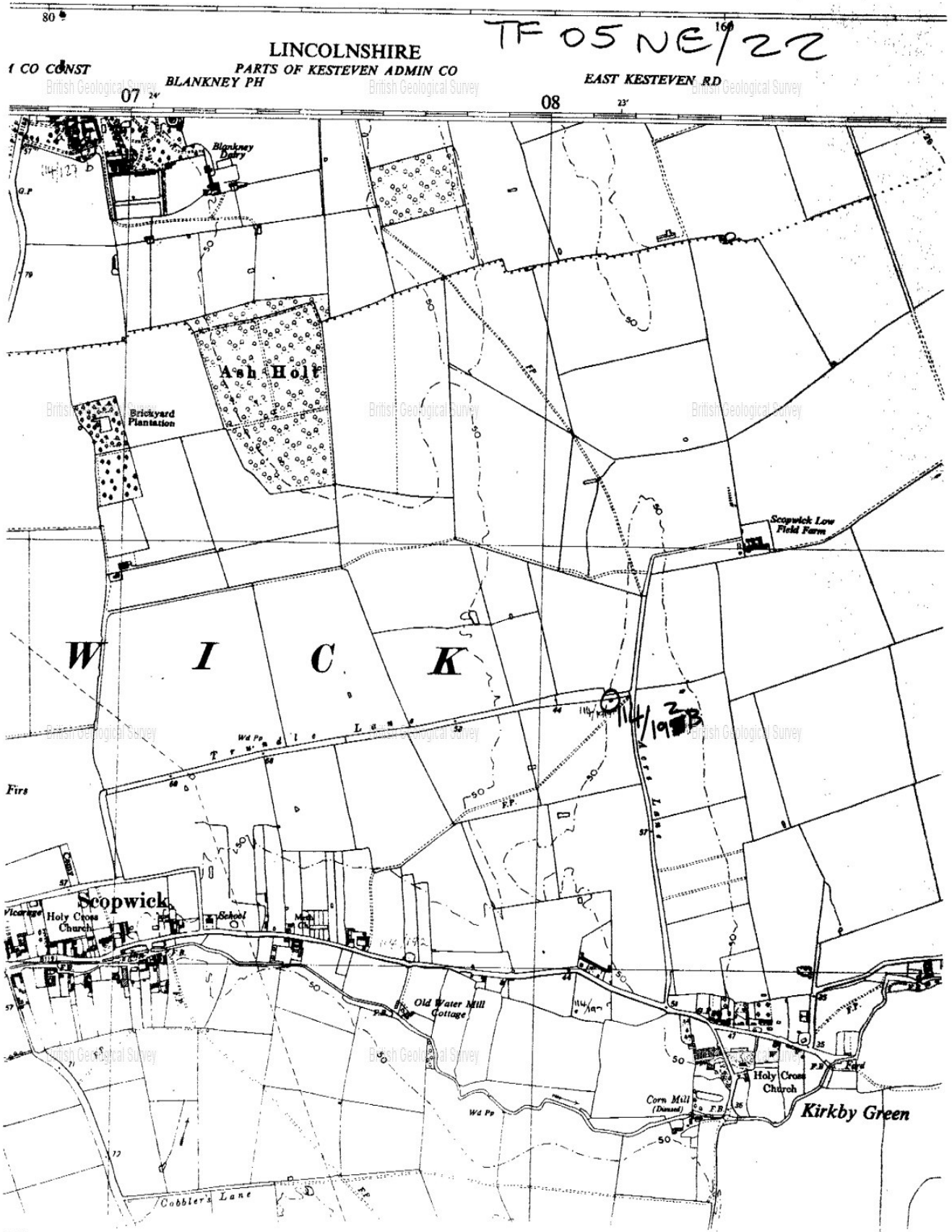
Page 3 of 6 ▾

Next >

>>

# Scale 1:10,560 or 6 Inches to 1 Mile

Provisional





**British  
Geological  
Survey**

*Version 2.0.6.6*

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



<<

< Prev

Page 5 of 6 ▾

Next >

>>

Scopwick obs. N21

114/192 B

TF05/45  
TF 0858/16

WINDINGSHIRE  
LIMESTONE 52  
(CONT.)  
54

GRANTHAM FM 56  
+ NORTHANTS SAND  
+ COLESBY MUDSTONE 58

59.25m  
Total depth

(194' . 10")

bottom limb

Drilled by FORBAY 1/5/76 - 14/5/1976

1 box core at Appleby core store. Logged P.F.C. 9/9/99

PER  
G.D.G.  
6.12.79.

114/192  
B



British  
Geological  
Survey

*Version 2.0.6.6*

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



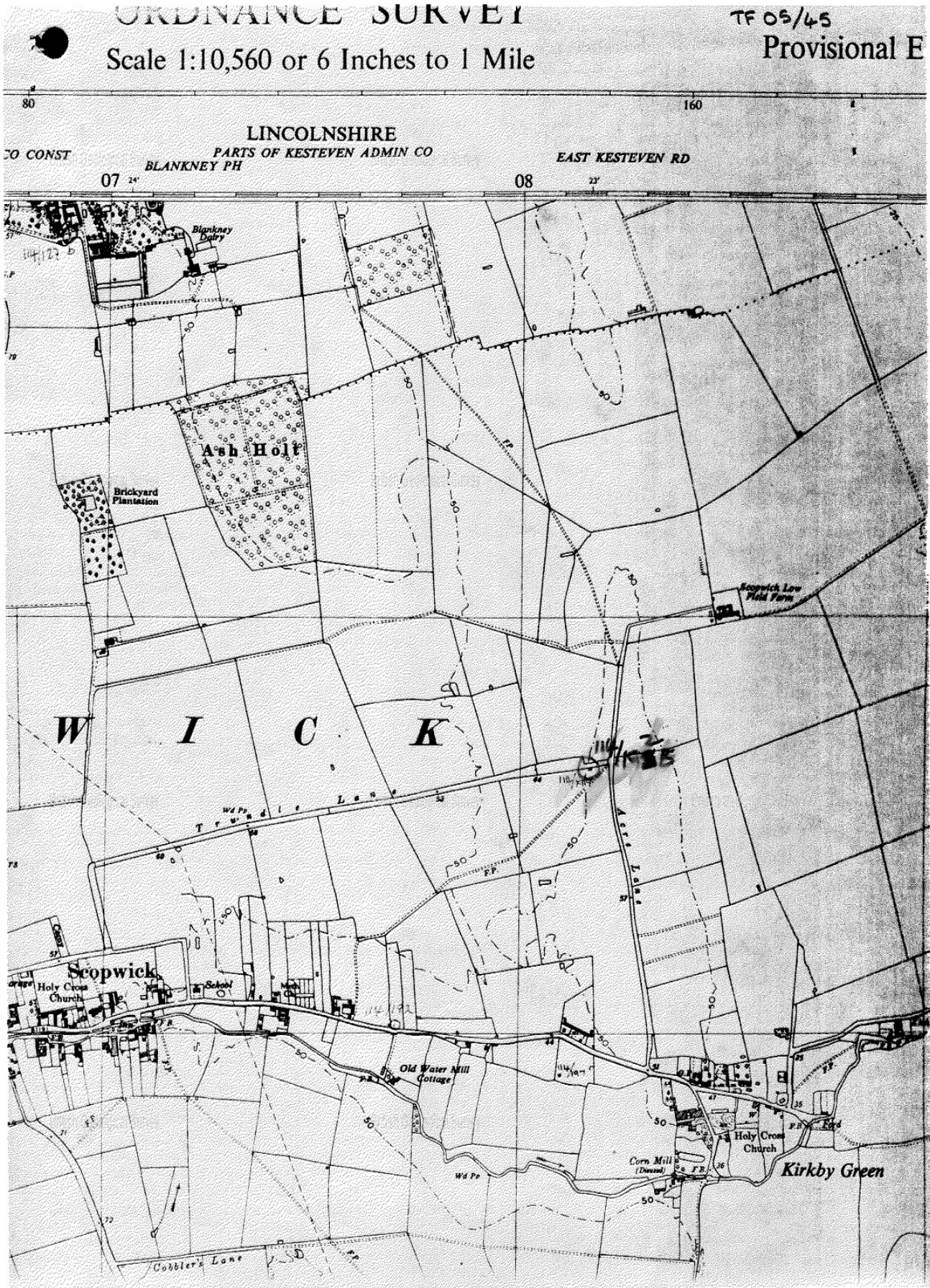
<<

< Prev

Page 6 of 6 ▾

Next >

>>





British  
Geological  
Survey

*Version 2.0.6.6*

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



<<

< **Prev**

Page 1 of 6 ▾

Next >

>>



TF05NE24

KIRKBY GREEN OBSERVATION BH NO.2

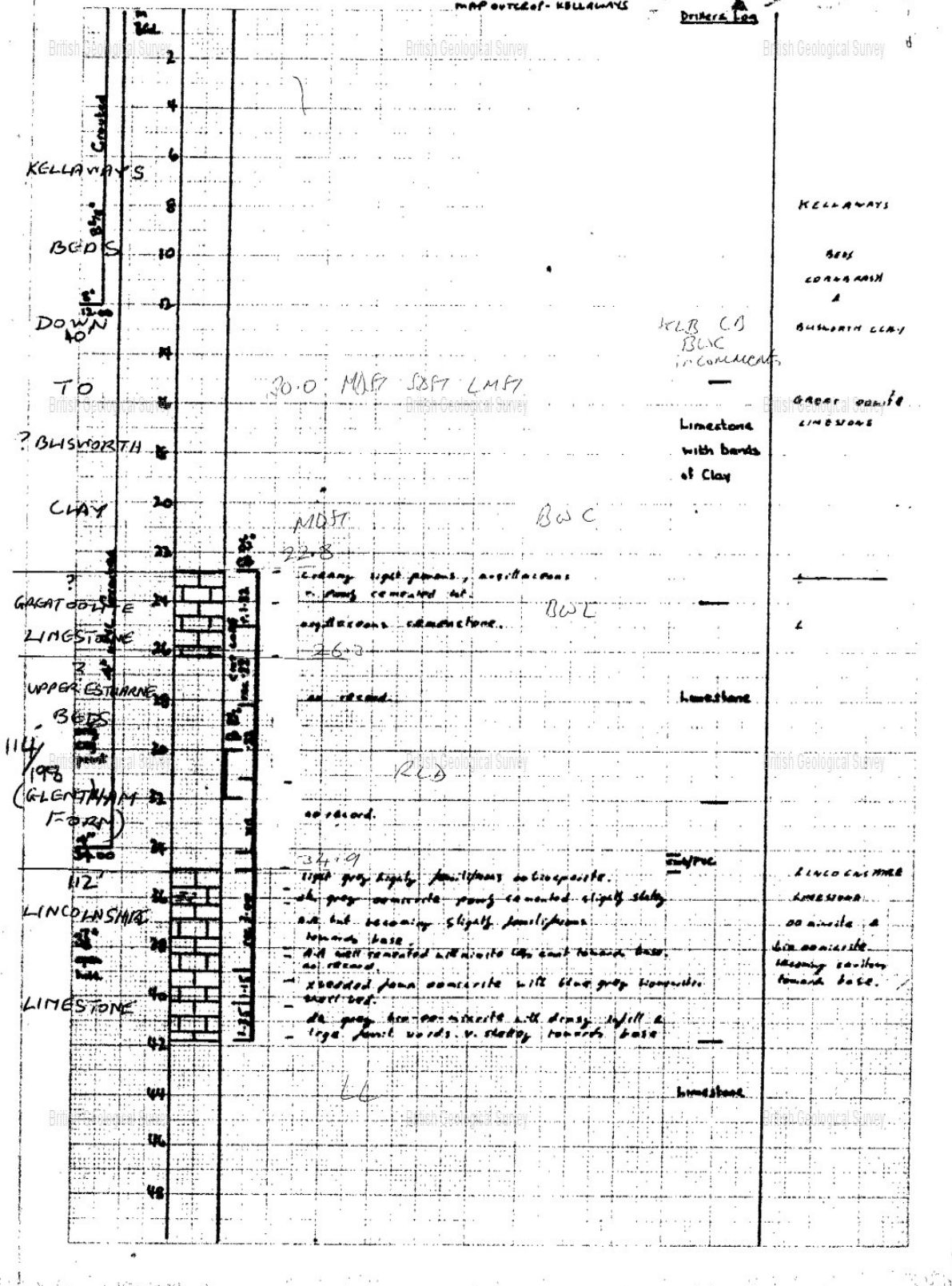
TF 09196 58035

TF 05 NE / 24  
KIRKBY GREEN Observation Borehole No.2

114/198  
0958/20  
0920 58041

GL 8.41 m aod FLANGETOP 8.26 m aod  
MAP OUTCROP - KELLAWAYS

Drillers Log





**British  
Geological  
Survey**

*Version 2.0.6.6*

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



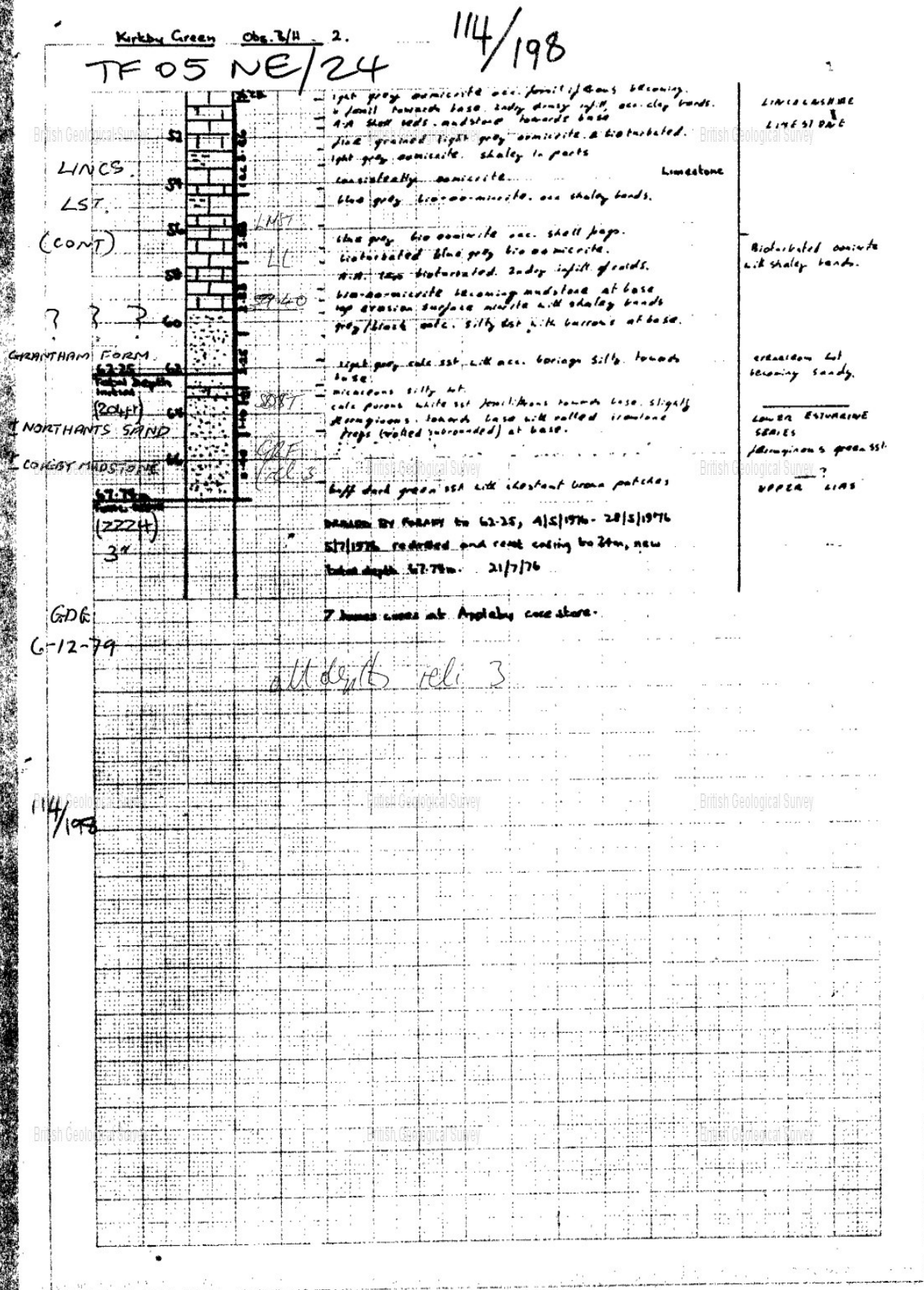
<<

< Prev

Page 2 of 6 ▾

Next >

>>





**British  
Geological  
Survey**

*Version 2.0.6.6*

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



<<

< Prev

Page 3 of 6 ▾

Next >

>>





**British  
Geological  
Survey**

*Version 2.0.6.6*

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



<<

< Prev

Page 4 of 6 ▾

Next >

>>

FORAKY

TF05/47

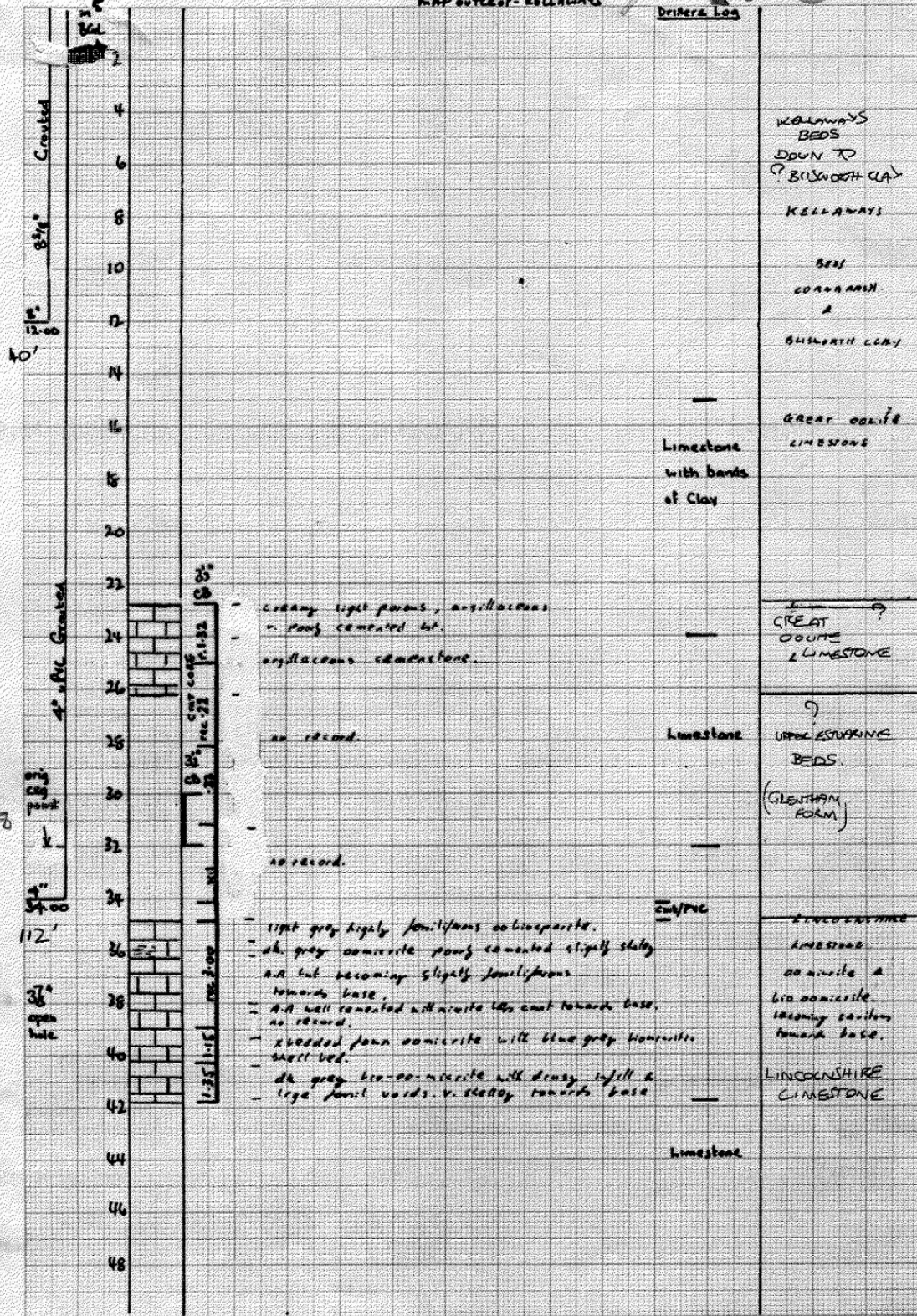
KIRKBY GREEN Observation Borehole No 2

G/L 8-41 maad FLANGETOP 8-26 maad

MAP OUTSIDE - KELLAWAYS

114/198

0958/20  
0920 5804.



4/198



**British  
Geological  
Survey**

*Version 2.0.6.6*

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



<<

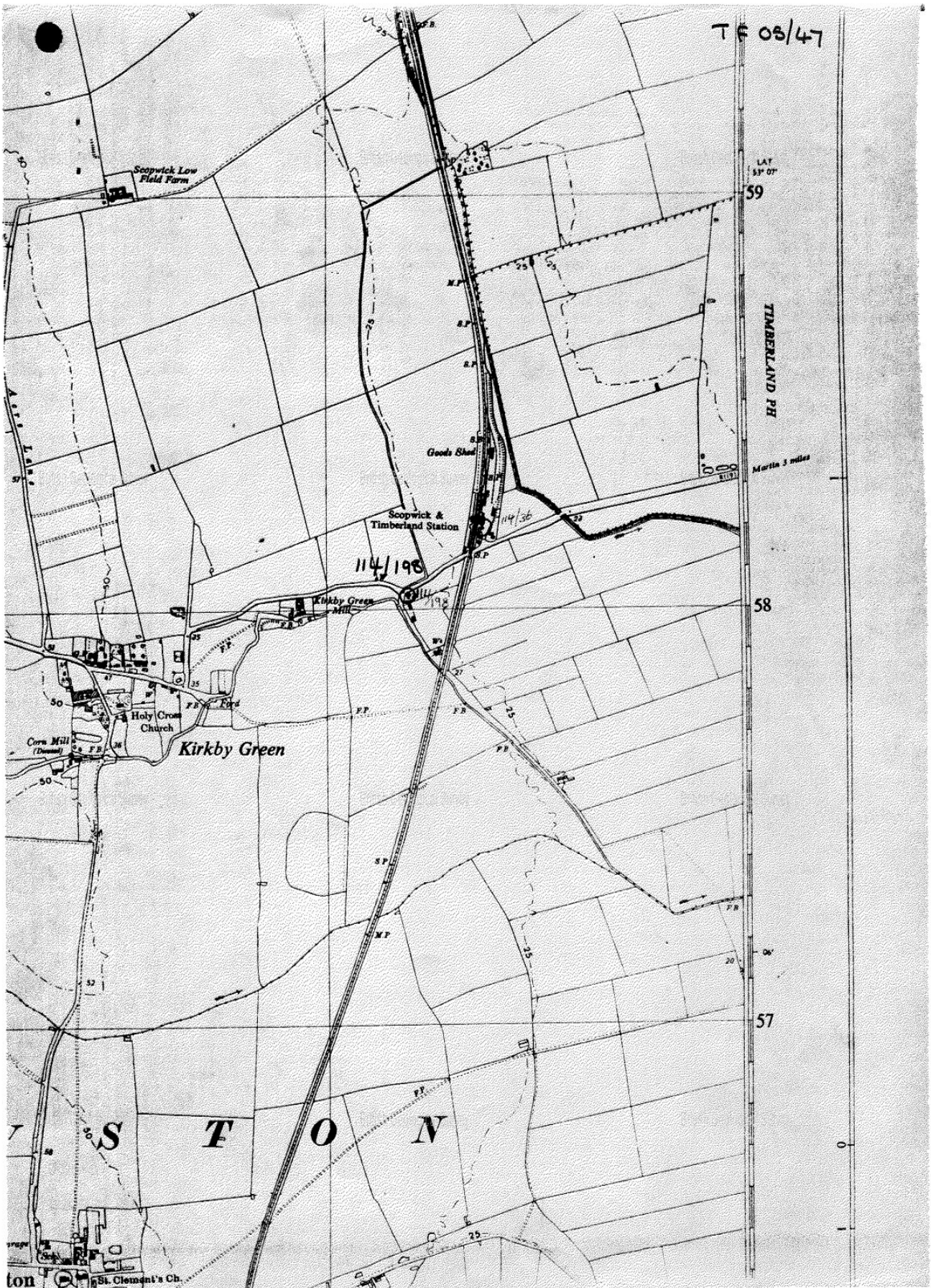
< Prev

Page 6 of 6 ▾

Next >

>>





## **APPENDIX E9    BGS BOREHOLE LOGS – ZONE L**

---







British Geological Survey

Version 2.0.6.6

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

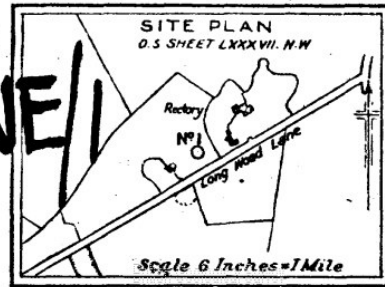
0635.5967 262

D'ARCY EXPLORATION CO. LTD. TEST AREA BLANKNEY WELL NO. 1 LICENCE N° A 30(e) "AMENDED"

POSITION OF WELL: LONG: 0° 24' 35.4" W. LAT: 53° 7' 24.7" N.  
COUNTY: LINCS:

ELEVATION: DERRICK FLOOR: ROTARY TABLE: 93' 28.3  
RIG: ROTARY DERRICK: 87' JACK KNIFE POWER: DIESEL

TF05NE1  
128



HISTORY:-

Commenced drilling on 2.9.43  
Cemented 11 3/4" casing at 195'  
Completed drilling on 16.9.43 at 3085'

Abandoned

Plugged with cement from bottom - 2750'  
Wooden plug placed at 221' & Cement plug from 221' to surface

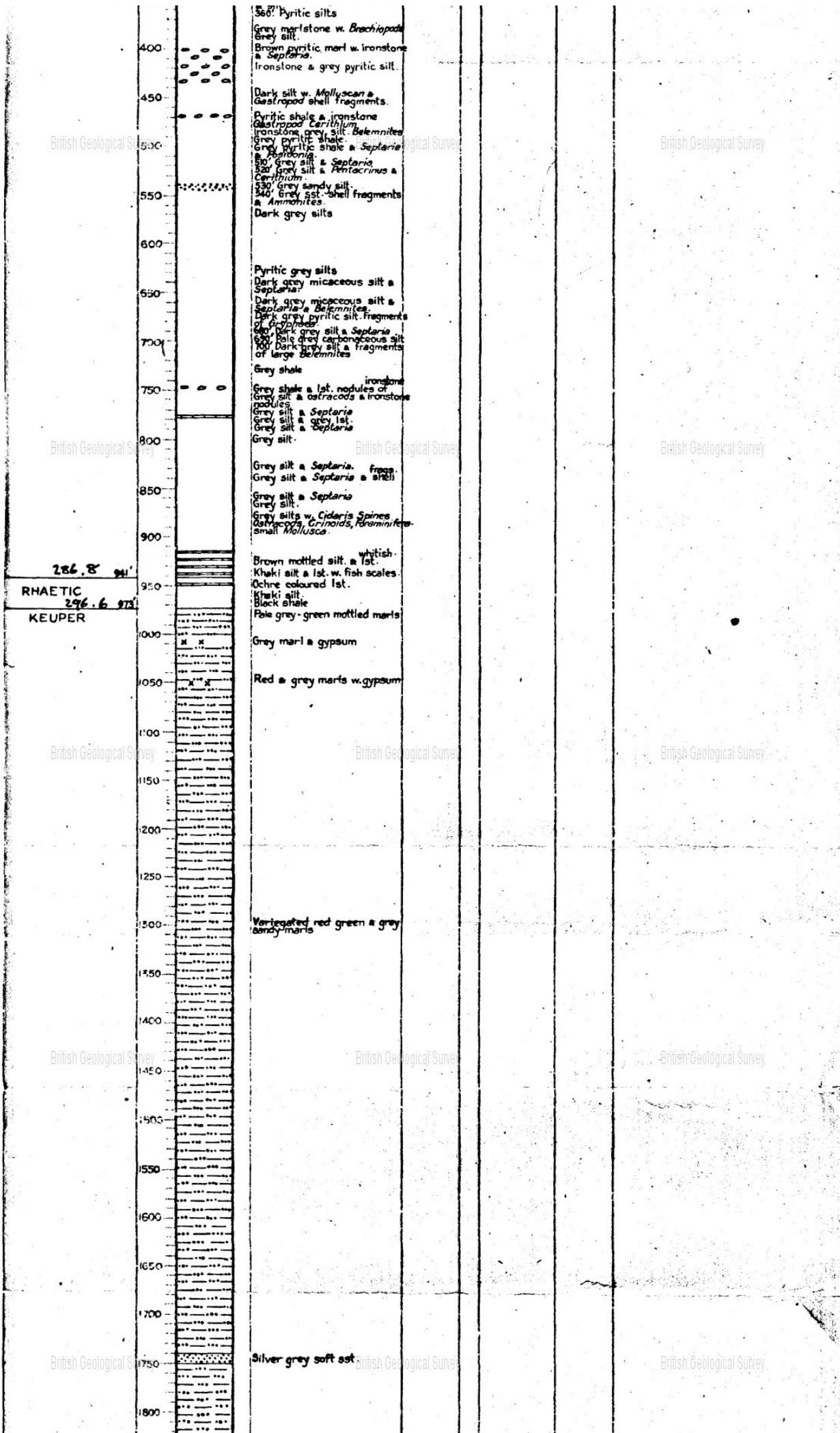
[sited on b"]

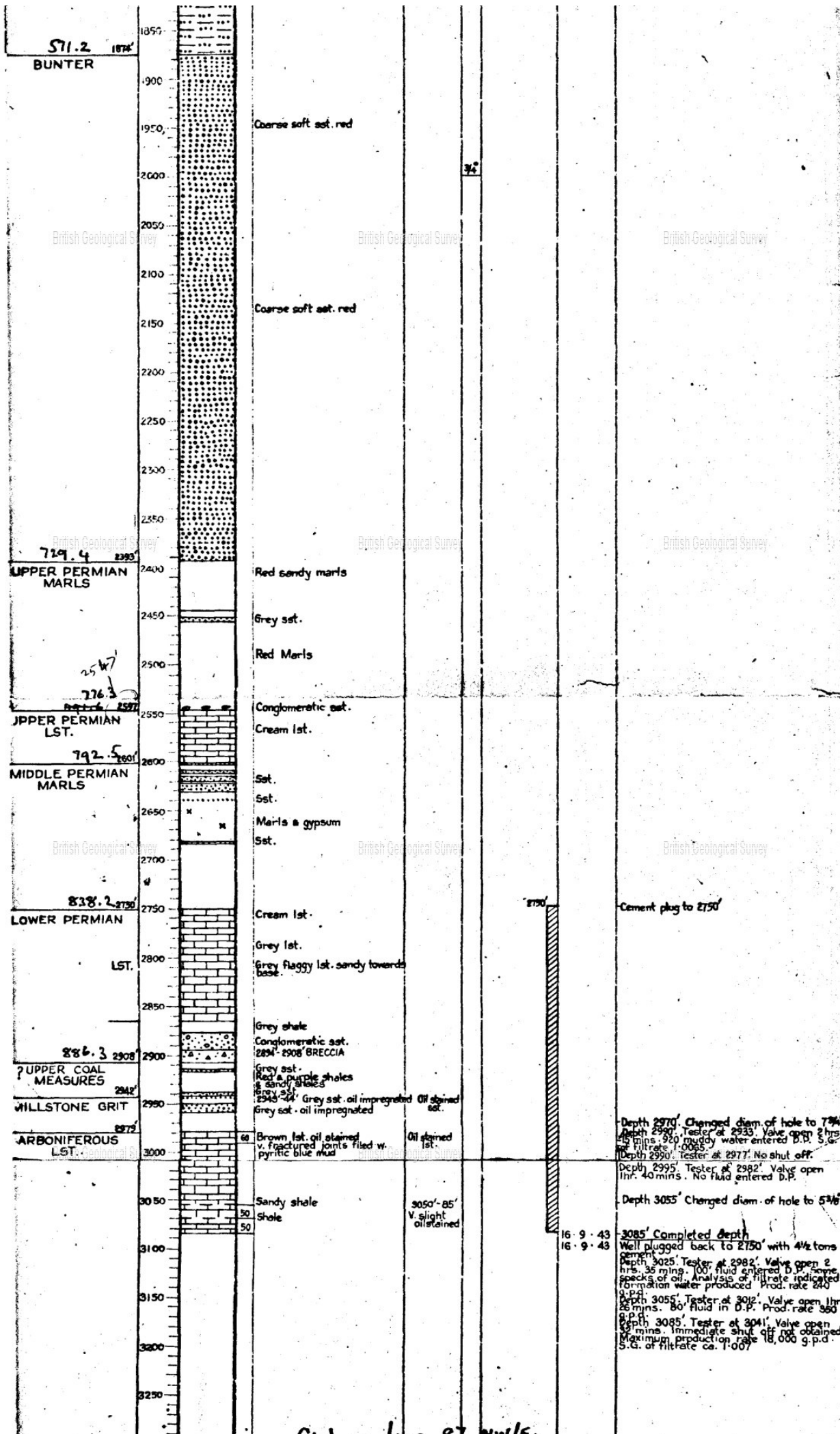
01.02.80

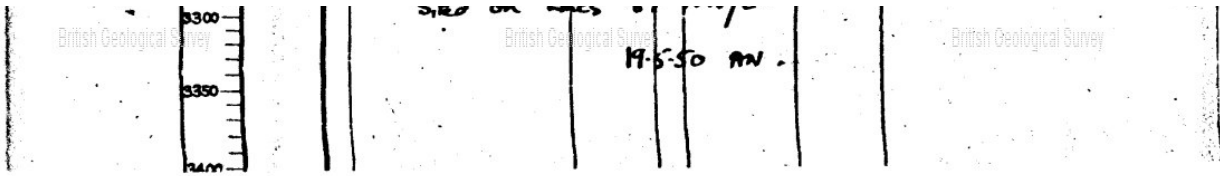
- LEGEND -

- SHALE, CLAY, MARL OR MUDSTONE.
- SANDY SHALE ETC.
- INTER-BEDDED SHALE ETC. & SANDSTONE.
- CONGLOMERATE BRECCIA
- PEBBLY SANDSTONE
- SANDSTONE
- COAL
- FIRECLAY.
- IRONSTONE.
- CHERT OR FLINT.
- ANHYDRITE, GYPSUM OR SALT.
- LIMESTONE.
- DOLOMITIC LIMESTONE OR DOLOMITE ROCK.
- IGNEOUS ROCK.

GEOLOGICAL FORMATION	DEPTH IN FEET	LOG	DETAILS OF FORMATION	OIL, GAS, WATER, COAL SEAMS	ELEVATION	CASING	DATE	REMARKS
LINCOLNSHIRE LST.	0 - 50	[Pattern]	Cream coloured oolitic lst. Cream oolitic lst.				2.9.43	Commenced drilling 14 1/8" diam. hole.
NORTHAMPTON SANDS	50 - 99	[Pattern]	Calc. sandy flags. Lignite.					
UPPER LIAS	99 - 250	[Pattern]	Grey coarse soft ast. Grey silt. Soft grey shale w. pyritised Foraminifera.					
MIDDLE LIAS	250 - 300	[Pattern]	Argillaceous lst. w. shales Thin bedded grey silt.					
LOWER LIAS	300 - 350	[Pattern]	Sandy lst. Marlstone Grey silt with pyrite Grey micaceous silt. Grey-brown argillaceous lst.					
	221	[Pattern]			11 3/4" Wooden Plug		3.9.43	Depth 221' Cemented 11 3/4" casing at 195' with 4 tons cement. No cement returns. 221' Changed diam. of hole to 8 5/8"











British Geological Survey

Version 2.0.6.6

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

0635 5967

114/128

TF05NE1

D'ARCY EXPLORATION CO. LTD.

TEST AREA BLANKNEY WELL NO. 1

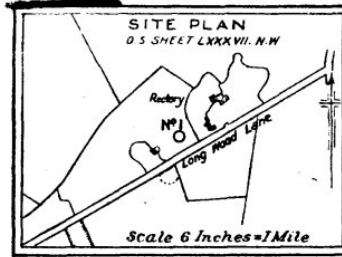
LICENCE N° A 30(a)

POSITION OF WELL: LONG: 0° 24' 35.4" W.  
 LAT: 53° 7' 24.7" N.  
 COUNTY: Lincs:

SEE ATTENDED

1° N.S. 114; O.S. 83

ELEVATION: DERRICK FLOOR:  
 ROTARY TABLE: 93'  
 RIG: ROTARY DERRICK: 87' JACK KNIFE  
 POWER: DIESEL



HISTORY:-

Commenced drilling on 2.9.43  
 Cemented 11 3/4" casing at 195'  
 Completed drilling on 16.9.43 at 3085'

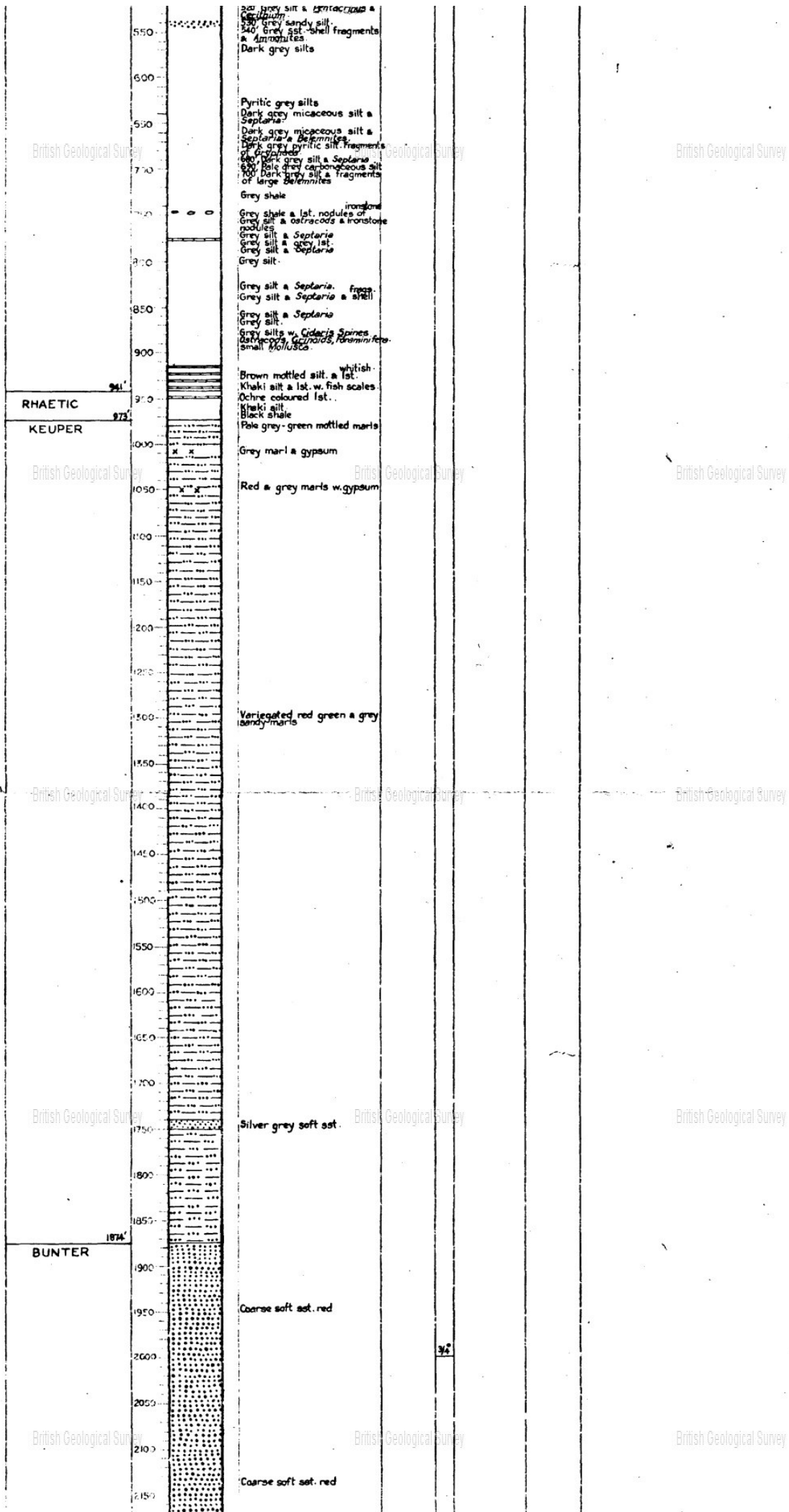
Abandoned

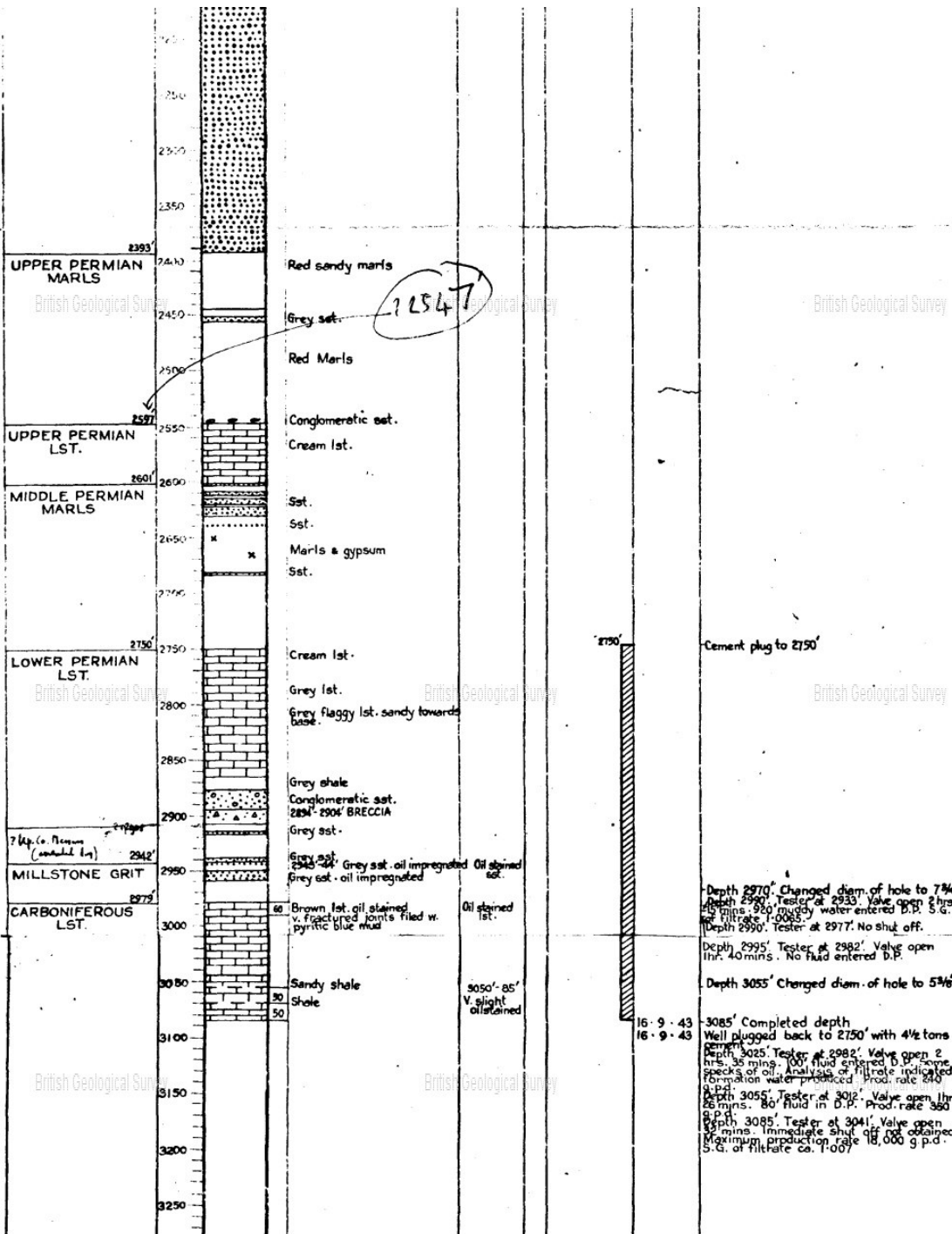
Plugged with cement from bottom - 2750'  
 Wooden plug placed at 221' & Cement plug from 221' to surface

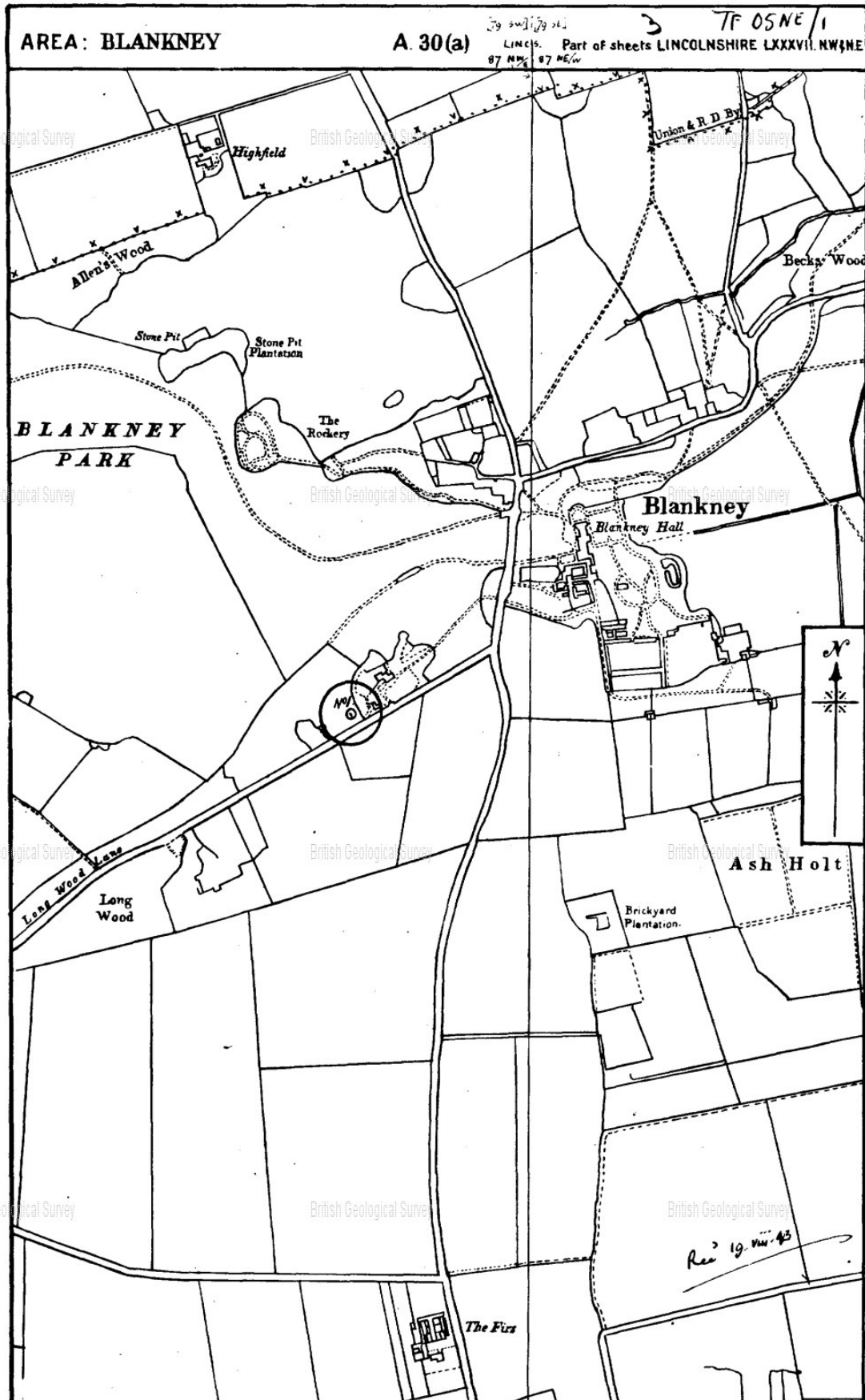
- LEGEND -

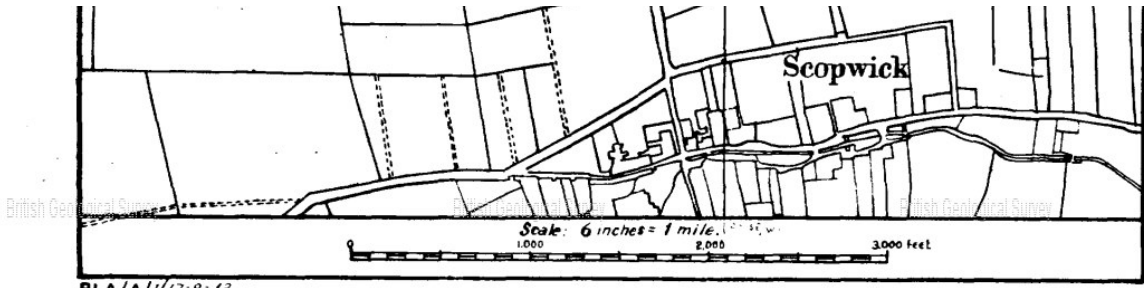
- SHALE CLAY, MARL OR MUDSTONE.
- SANDY SHALE ETC.
- INTER-BEDDED SHALE ETC. & SANDSTONE.
- CONGLOMERATE BRECCIA
- PEBBLY SANDSTONE
- SANDSTONE
- COAL
- FIRECLAY.
- IRONSTONE.
- CHERT OR FLINT.
- ANHYDRITE, GYPSUM OR SALT.
- LIMESTONE.
- DOLOMITIC LIMESTONE OR DOLOMITE ROCK.
- IGNEOUS ROCK.

GEOLOGICAL FORMATION	DEPTH IN FEET	LOG	DETAILS OF FORMATION	OIL, GAS, WATER, COAL SEAMS	CASING	DATE	REMARKS
	50		Cream coloured oolitic ls.			2.9.43	Commenced drilling 4 1/8" diam. hole.
	69		Cream oolitic ls.				
	100		Calc. sandy flags.				
	110		Grey coarse soft sst.				Revised thickness of 11" Sst. (As Tall in Lit. 22.1.45) 11 P. (98'-100')
	140		Grey silt.				
UPPER LIAS	150		Soft grey shale w. pyritised Foraminifera.				
	200		Grey shale				
	250		Argillaceous ls. w. shales				
MIDDLE LIAS	270		Thin bedded grey silt.				
	300		Sandy ls.				
	330		Marlstone				
LOWER LIAS	350		Grey silt with pyrite				
	400		Grey micaceous silt.				
	450		Grey, brown argillaceous ls.				
	500		Soft pyritic silts				
	530		Grey marlstone w. Brachiopods				
	550		Grey silt.				
	580		Brown pyritic marl w. ironstone & Septaria.				
	600		Ironstone & grey pyritic silt.				
	650		Dark silt w. Malloscan & Gastropod shell fragments.				
	700		Pyritic shale & ironstone				
	750		Gastropod Cariniform				
	800		Ironstone grey silt. Belemnites				
	850		Grey pyritic shale.				
	900		Grey pyritic shale & Septaria				
	950		Malloscan				
	1000		So. grey silt & Septaria				











British Geological Survey

Version 2.0.6.6

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

<< < Prev Page 4 of 5 Next >>

## D'ARCY EXPLORATION CO. LTD. *M*

# TEST AREA BLANKNEY WELL NO. 1

TF05/12

LICENCE NO. A 30W "Amended"

**POSITION OF WELL:** LONG: 0° 24' 35.4" W.  
 LAT: 59° 7' 21.7" N.

**COUNTY:** LINGS

**ELEVATION:** DERRICK FLOOR: 114'  
 ROTARY TABLE: 93'

**RIG:** ROTARY DERRICK: 87' JACK KNIFE  
 POWER: DIESEL

SITE PLAN  
 0.5 SHEET LONDON W.W.

Scale 6 Inches = 1 Mile

**HISTORY:-**  
 Commenced drilling on 2-9-43  
 Cemented 1 1/4" casing at 190'  
 Completed drilling on 16-9-43 at 3005'

**Abandoned**  
 Plugged with cement from bottom - 2750'  
 Wooden plug placed at 221' & Cement plug from 221' to surface

N.G.R. TF 0641 5970

0DCE80 \$ TF05WELL

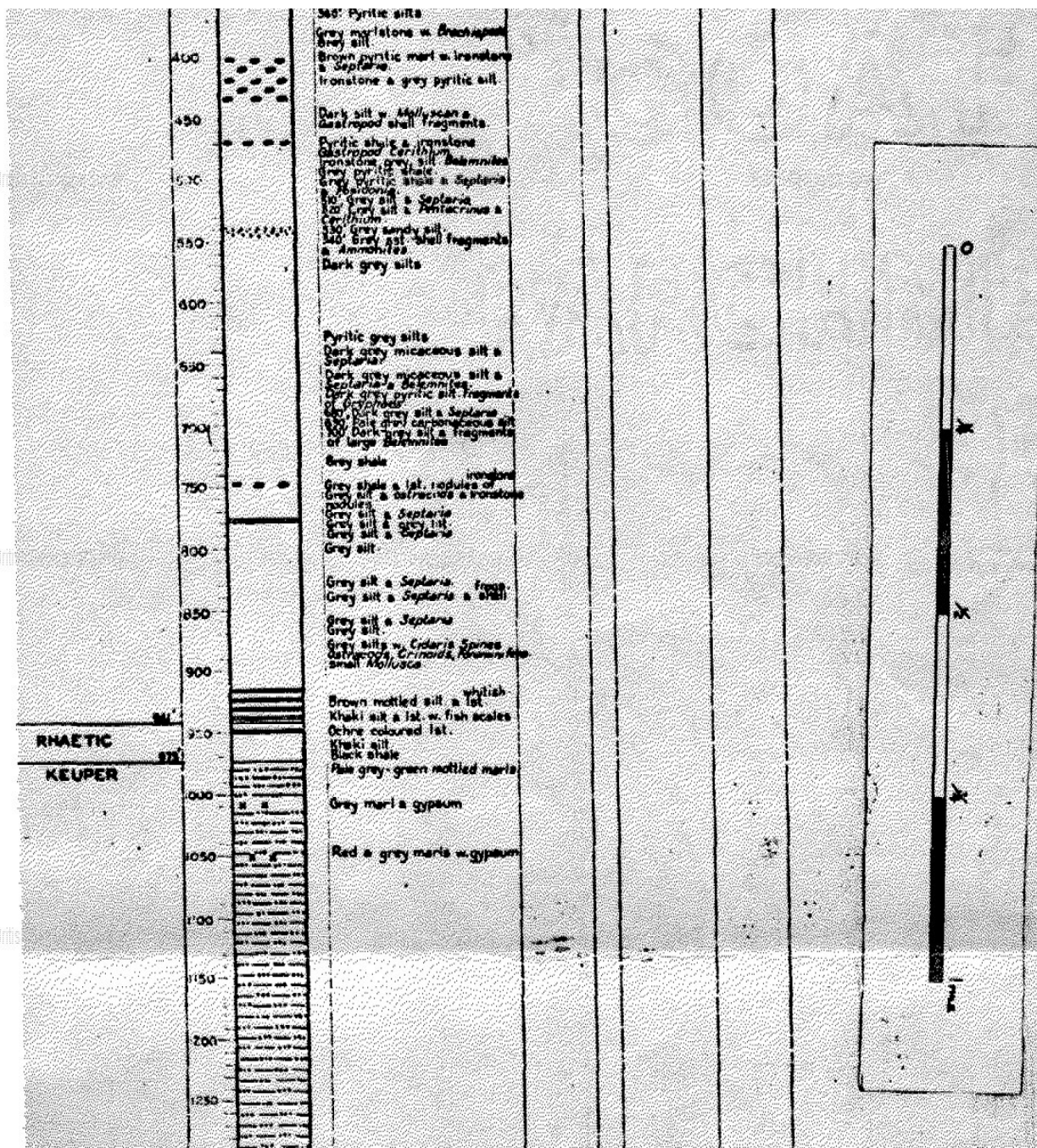
DECLASSIFIED

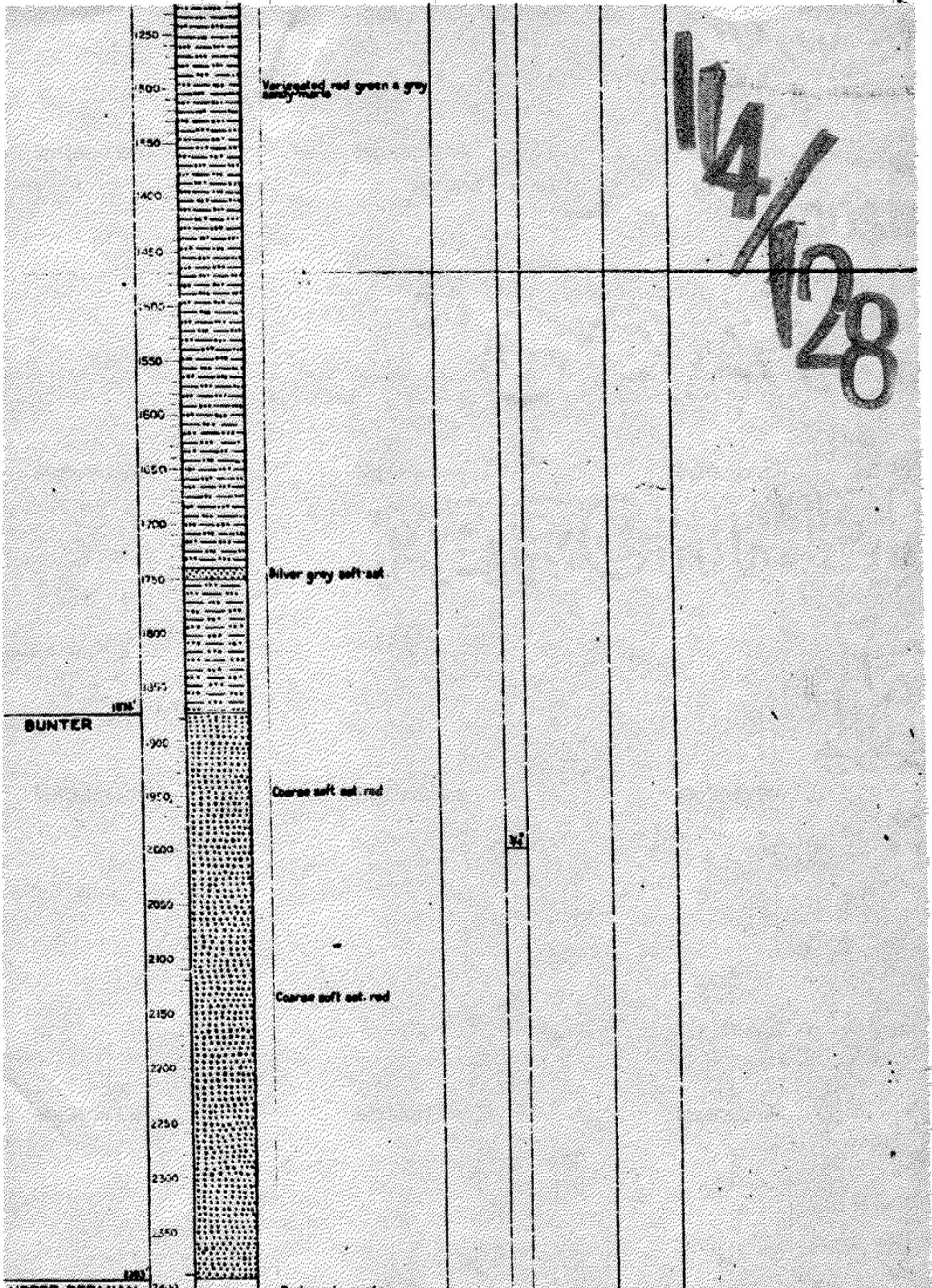
23 SEP 1999

### - LEGEND -

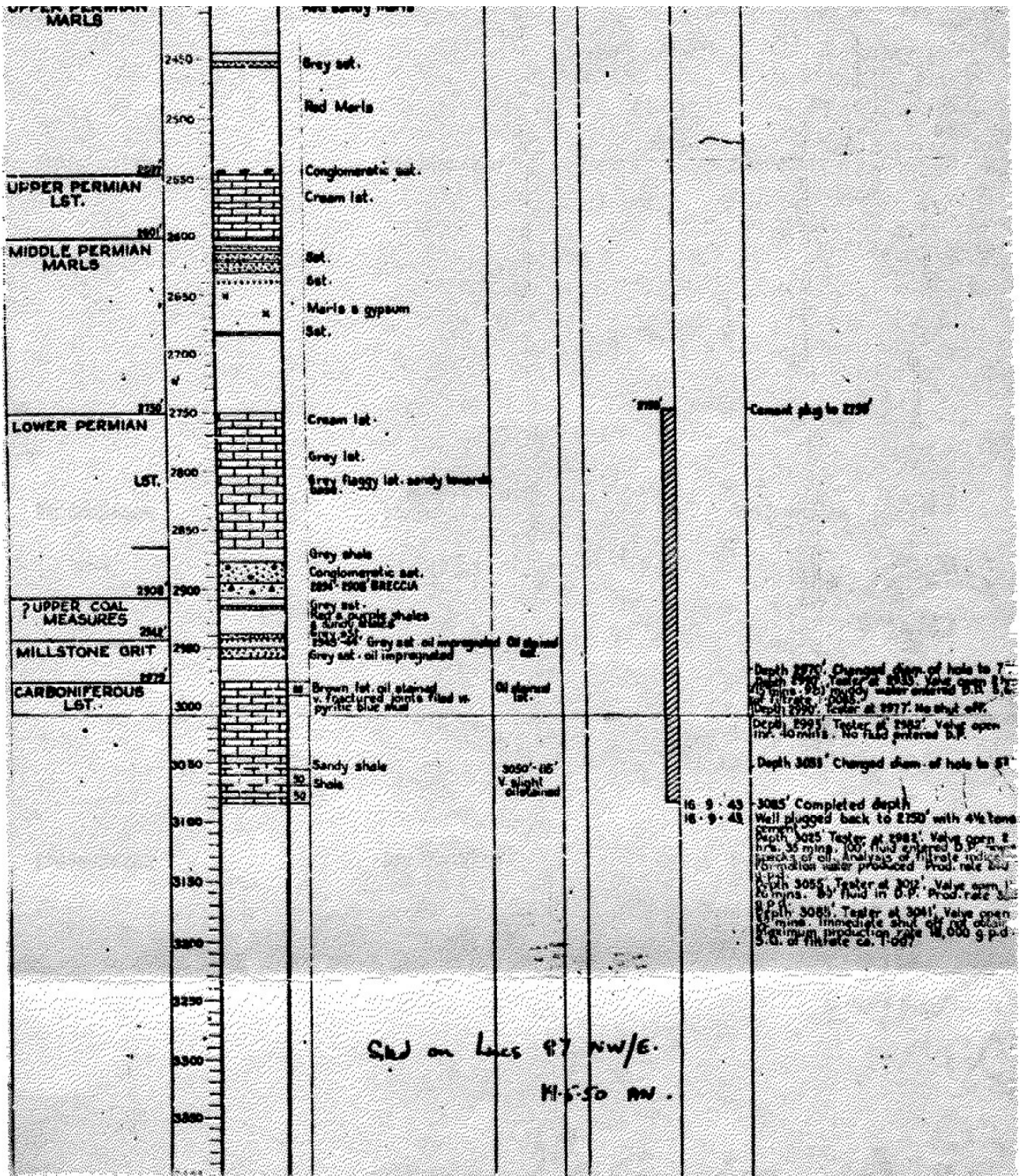
<table border="0" style="width: 100%;"> <tr><td></td><td>SHALE, CLAY, MARL OR MUDSTONE</td></tr> <tr><td></td><td>SANDY SHALE ETC.</td></tr> <tr><td></td><td>INTER-BEDDED SHALE ETC. &amp; SANDSTONE</td></tr> <tr><td></td><td>CONGLOMERATE BRECCIA</td></tr> <tr><td></td><td>PEBBLY SANDSTONE</td></tr> <tr><td></td><td>SANDSTONE</td></tr> <tr><td></td><td>COAL</td></tr> </table>		SHALE, CLAY, MARL OR MUDSTONE		SANDY SHALE ETC.		INTER-BEDDED SHALE ETC. & SANDSTONE		CONGLOMERATE BRECCIA		PEBBLY SANDSTONE		SANDSTONE		COAL	<table border="0" style="width: 100%;"> <tr><td></td><td>FIRECLAY</td></tr> <tr><td></td><td>IRONSTONE</td></tr> <tr><td></td><td>CHERT OR FLINT</td></tr> <tr><td></td><td>ANHYDRITE, GYPSUM OR SALT</td></tr> <tr><td></td><td>LIMESTONE</td></tr> <tr><td></td><td>DOLOMITIC LIMESTONE OR DOLOMITE ROCK</td></tr> <tr><td></td><td>IGNEOUS ROCK</td></tr> </table>		FIRECLAY		IRONSTONE		CHERT OR FLINT		ANHYDRITE, GYPSUM OR SALT		LIMESTONE		DOLOMITIC LIMESTONE OR DOLOMITE ROCK		IGNEOUS ROCK
	SHALE, CLAY, MARL OR MUDSTONE																												
	SANDY SHALE ETC.																												
	INTER-BEDDED SHALE ETC. & SANDSTONE																												
	CONGLOMERATE BRECCIA																												
	PEBBLY SANDSTONE																												
	SANDSTONE																												
	COAL																												
	FIRECLAY																												
	IRONSTONE																												
	CHERT OR FLINT																												
	ANHYDRITE, GYPSUM OR SALT																												
	LIMESTONE																												
	DOLOMITIC LIMESTONE OR DOLOMITE ROCK																												
	IGNEOUS ROCK																												

GEOLOGICAL FORMATION	DEPTH IN FEET	LOG	DETAILS OF FORMATION	OIL, GAS, WATER, COAL BEANS	CASING	DATE	REMARKS
INCOLNSHIRE LST.	0-50		Cream coloured calcif. lst. Cream calcif. lst.			2-9-43	Commenced drilling 1 1/4" diam. hole.
STRATHAMPTON SANDSTONE UPPER LIAS	50-100		Calc. sandy flags Lignite Grey coarse soft sst. Grey silt				
MIDDLE LIAS	100-280		Soft grey shale w. pyritised fragments Grey shale				
LOWER LIAS	280-330		Argillaceous ls. w. shales Thin bedded grey silt. Sandy lst. Marlstone Grey sst. Grey silt with pyrite Grey micaceous silt. Grey-brown argillaceous lst. & silt.			3-9-43	Depth 221' Cemented 1 1/4" casing at 190' with 4 tons cement. No cement returns. 221' Changed diam. of hole to 9/16"











British Geological Survey

Version 2.0.6.6

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

**RECORD of WELL-BORING (Nos. 14-17)**

Survey No. 114  
1" N.S.  
1" O.S.

Across the railway of the Lincolnshire Limestone, 9 miles S. of Lincoln.

Town, Village, &c. \_\_\_\_\_ County Lincoln Six-inch map \_\_\_\_\_

Exact site (unless a tracing from a map is supplied, give distance and direction from parish church, cross-roads, or other object shown on maps). (Description of site made by G.H.D. from the one-inch map. (Square) (see tracing) being used is on 1" scale.) Popular Edition (Sheet of \_\_\_\_\_ of \_\_\_\_\_)

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 borings at top 6 in., at bottom 6 in.

Details of lining tubes (internal diameters preferred) \_\_\_\_\_  
All the tubes were drilled to tube explosive (for the seismic method of geophysical 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 \_\_\_\_\_ galls. per \_\_\_\_\_, (ii) normal \_\_\_\_\_ galls. per \_\_\_\_\_

Quality (attach copy of analysis if available) \_\_\_\_\_

Made by Le Grand, Sutcliffe & Co. Ltd for Mr. J. Arvey Exploration Co Date of boring Nov. 1930

Information from Mr. P. E. Kemp (Anglo-Indian Co.)

(For Survey use only)

	THICKNESS	DEPTH
<b>TF05 NE/14 + 15</b>		
<p>No. 24 + 25 Records of 14 not preserved. No. 24 was 64 chains W.N.W. of Scapwick church, or just N. of the Navvily Road. No. 25 was 26 chains N by E of Scapwick church and 26 chains E of the Blankney road at the turning to Navvily + Lincoln.</p>		
<b>TF05 NE/16</b>		
<p>No. 26. Scapwick parish; on the boundary, 78 chains E.N.E. of Scapwick church and about 9 chains W.S.W. of Scapwick Lodge Farm. [Location near Scapwick Lodge. Bore 23]. O.D. [just below 50' centre] say 49'. No water reported</p>		
<p>Mould Soft red brown Limestone Mottled clay Clay Hard sandy clay</p>	<p>0-5 0-38 5-52 20-61 39-89 123-66</p>	<p>— 1 6 8 48 60</p> <p>60.5 90.53 92.06 92.67 114.63 182.9</p>
<p>"Bore is a Cambrian crop of good. water. ? when is it. Or. Or. to Lit"</p>		
<b>MARTIN PARISH BORE NO. 27</b>		
<p>TF05 NE/17</p> <p>No. 27. Martin parish, on the Timberland boundary. 8 chains E of the railway and 37 chains N. by E of bridge (or level crossing?) at Scapwick station. O.D. (just below 25' centre) say 24'. Rest water level 3 ft. down.</p>		
<p>Top soil Mottled clay Blue sandy clay</p>	<p>1 39-89 20-610</p>	<p>1 40 60</p> <p>92.19 182.9</p>
<p>"? Kellaway under B. Clay. [If so] Chr. is here - 35' [or less], but it is 40 + 47' O.D. in No 26 - giving depth of 83' for 3/4 mile - 112 ft. per mile."</p>		



<<

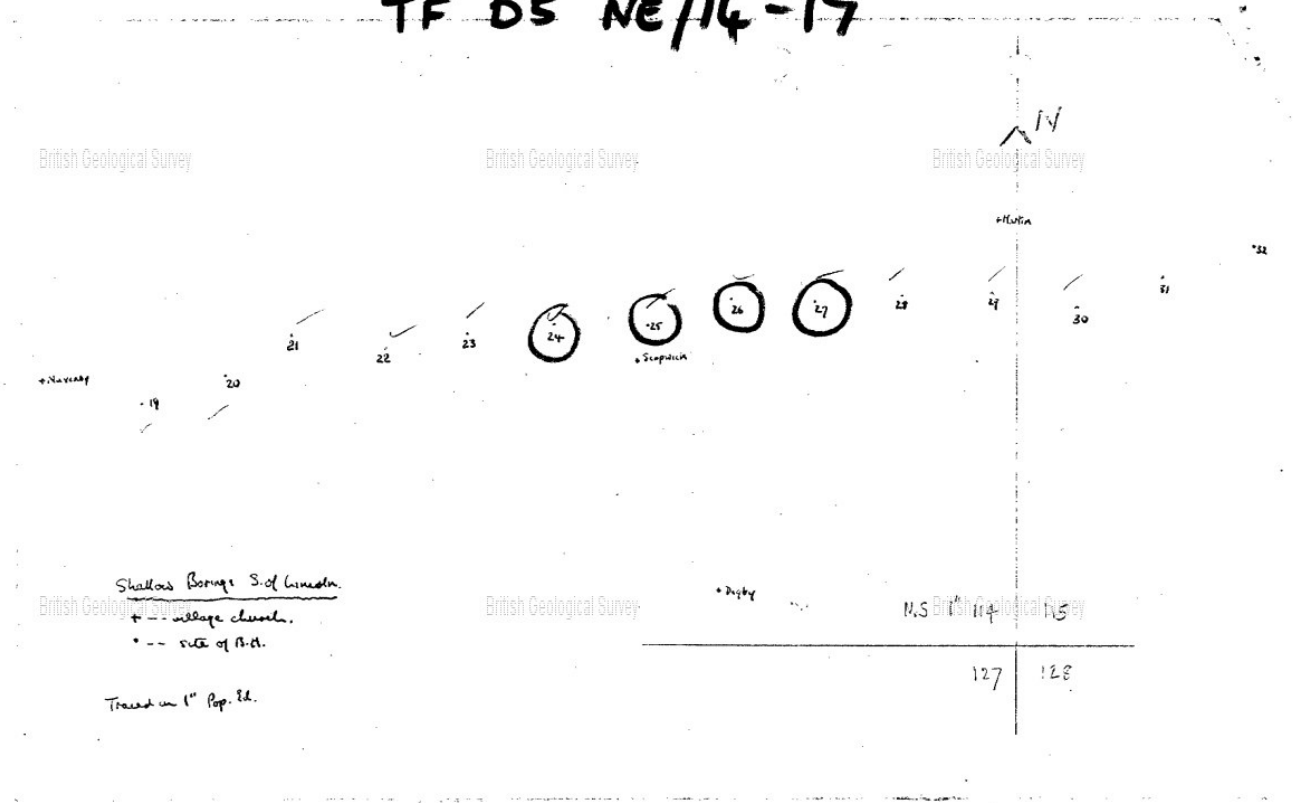
< Prev

Page 2 of 2 v

Next >

>>

TF DS NE/14-17



## **APPENDIX E10 BGS BOREHOLE LOGS – ZONE M**

---



**TF16SW21 LINWOOD GRANGE TF 10190 60220**

Surface level (+ 18.1 m) +59 ft  
Water struck at +16.6 m  
March 1979

Overburden 0.7 m  
Mineral 2.8 m  
Waste 13.8 m  
Bedrock 1.2 m+

LOG	Geological classification	Lithology	Thickness m	Depth m
		Soil	0.7	0.7
	Fluvio-glacial and Older River Sand and Gravel	Pebbly sand, 'clayey' to 1.5 m Gravel: fine with coarse, subrounded quartzite with sub-rounded limestone, rounded quartz, subangular flint and subrounded sandstone Sand: medium, quartz with lithic grains	2.8	3.5
	Till	Clay, silty, chiefly olive grey with reddish brown patches at 16 m; pebbles of chalk, flint and mudstone (common to base)	13.8	17.3
	Ancholme Clay Group	Silt, clayey, dark greenish grey, laminated in part, fossiliferous	1.2+	18.5

**GRADING**

Mean for deposit percentages			Depth below surface (m)	Percentages						
Fines	Sand	Gravel		Fines	Sand		Gravel			
				-½	+½ - ¼	+¼ - 1	+1 - 4	+4 - 16	+16 - 64	+64 mm
6	75	19	0.7-1.5	14	19	51	4	8	4	0
			1.5-3.5	2	9	59	7	14	9	0
			<b>Mean</b>	<b>6</b>	<b>12</b>	<b>57</b>	<b>6</b>	<b>12</b>	<b>7</b>	<b>0</b>

**COMPOSITION**

Depth below surface (m)	Percentages by weight in +8 -16 mm fraction								
	Flint	Quartzite	Limestone	Quartz	Sandstone	Mudstone	Ironstone	Igneous	Others
0.7-1.5	9	55	0	17	19	0	0	0	0
1.5-3.5	10	44	20	17	7	0	0	2	0
<b>Mean</b>	<b>10</b>	<b>46</b>	<b>16</b>	<b>17</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>

TF05SE/20

DRILLING GEOSERVICES  
SEPT. 1972

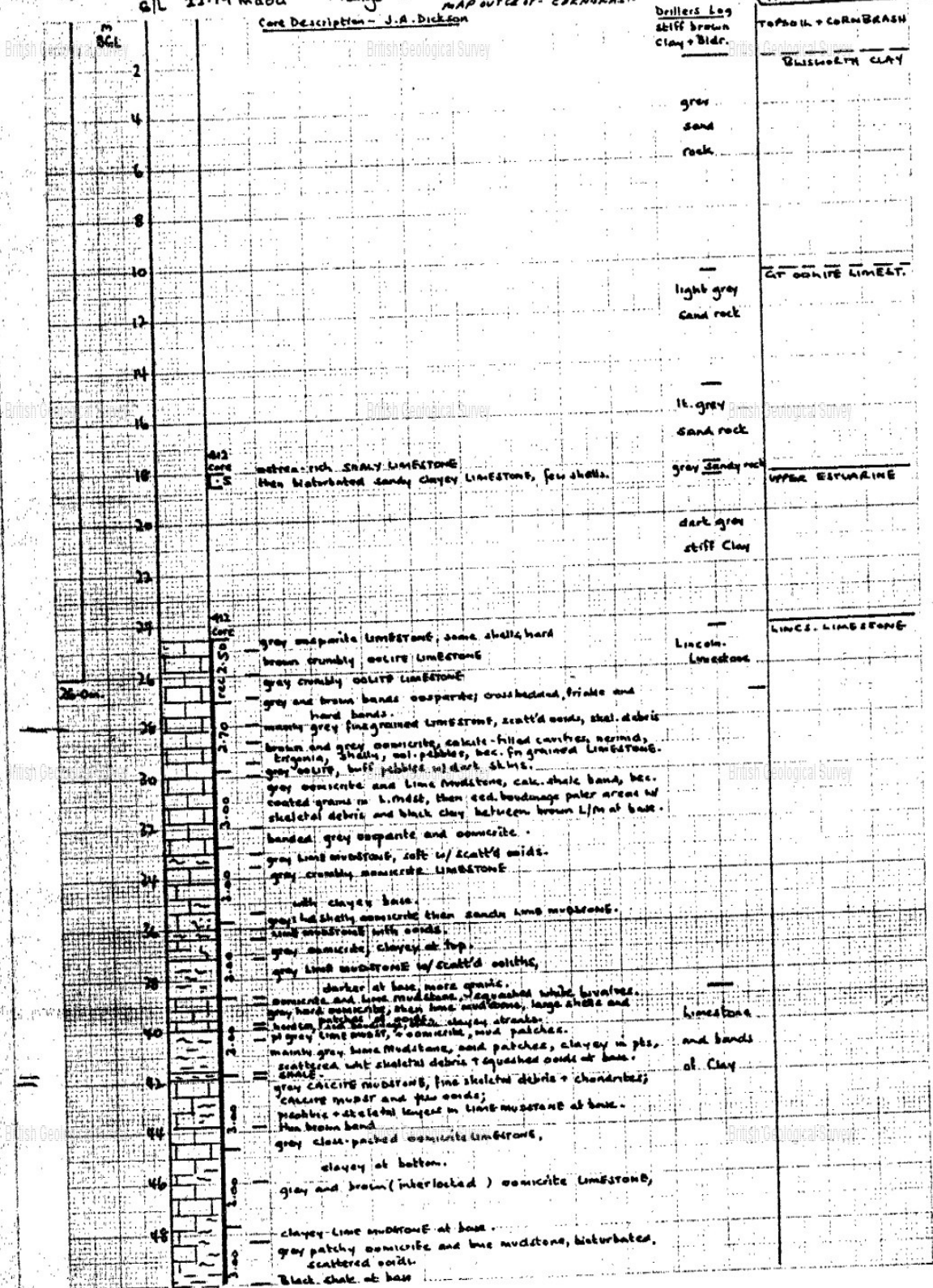
127/218<sup>A</sup>

TF 0653/31

Bloxholm Exploratory (Hole G.D.)

g/L 22-79 maod Flange 22-S4 maod  
MAP OUTCROP - CORNBRASH  
Core Description - J.A. Dickson

(TF 0635531) TF05SE



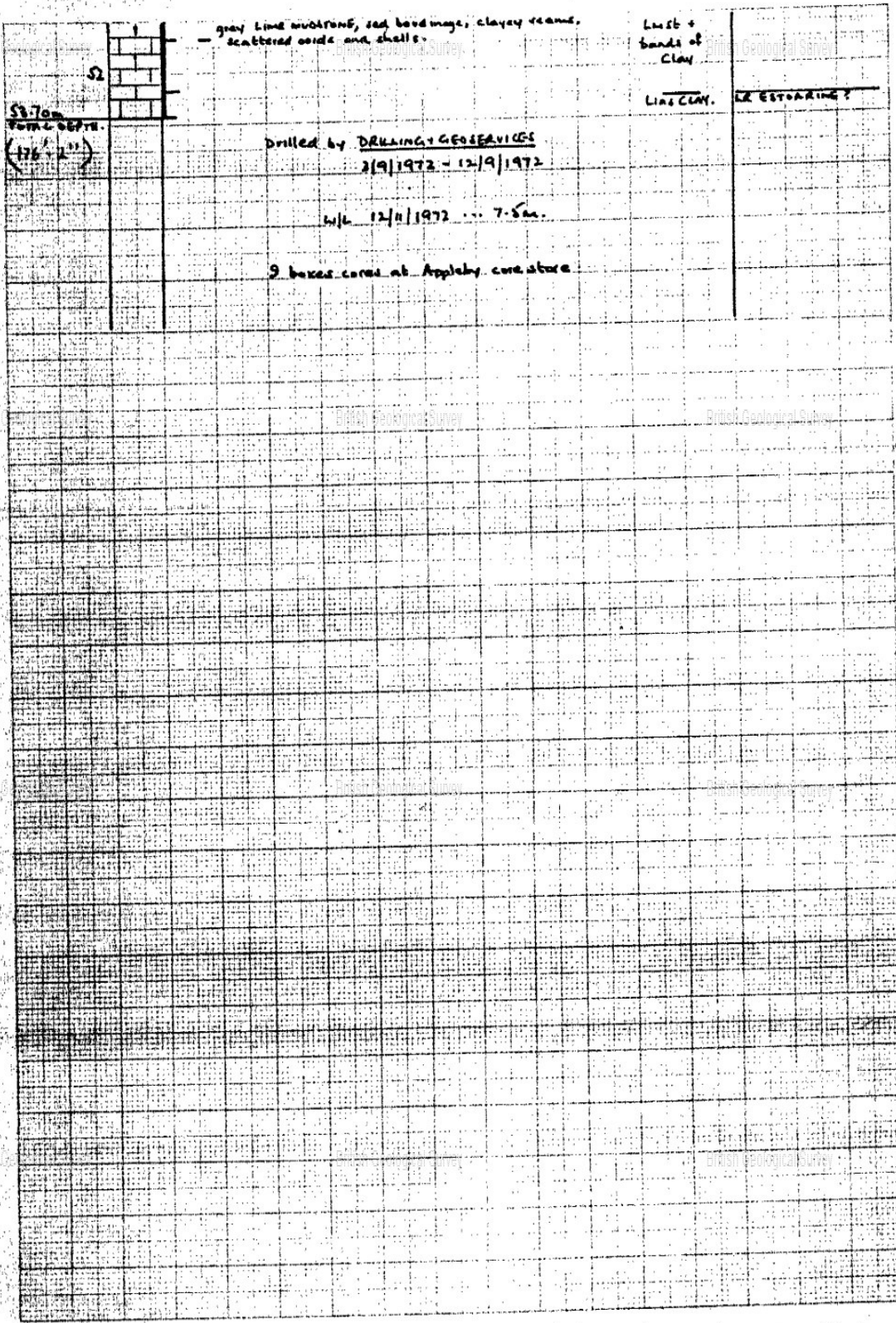
Rec'd from A.N.A 12.5.79. Str. by @ on 1" site map - on 6" Nat Grid Sheet.

TF05SE20

127/218<sup>A</sup>

TF 0653/31

Bloxholm Exploratory



DICKSON.

BLOKHOLM  
(GD).

TP 0653/3

M. 2	...	DRILLER'S LOG.	CLAY	TOP LIT:	STIFF BROWN, W/ BOULDERS.
4	...		GREY SANDY ROCK		
6	...				
8	...				
10	...				
12	...		LT GREY SAND ROCK		
14	...		A/A		
16	...		LIMESTONE		
18	...		DARK GREY STIFF CLAY.		
20	NO CORE				
SCALE CHANGE					
M 24		24.5			
25	[Pattern]		OLIGITE LIMESTONES		HARD OOSPARITE, SOME SHELLS, GREY AT TOP THEN BROWN.
26	[Pattern]		FG LIMESTONES + OOMICRITE		CRUMBLY OOLITE, BROWN THEN GREY, FRAGILE / HARD OOSPAR, BROWN / GREY BANDS.
27	[Pattern]		LIMESTONE	LINGS. LIMESTONE	SCATT OOLDS, WHT SKELEML DEBRIS; GREY W/ BROWN BANDS, BEC SHELLY.
28	[Pattern]		LIME MUDST.		OOLITE PETTILY; GRANULAR; OOMIC; LIME MUDSTONE; SOME BOUNDINAGE; BANNED OOSPARITE, X-BEDDED OOMICRITE. MAINLY GREY, BROWN BAND.
29	[Pattern]		CRUMBLY OOMICRITE.		SOFT, SCATTERED OOLDS.
30	[Pattern]		LIME MUDST.		GREY.
31	[Pattern]		OOMICRITE + LIME MUDST.		CLAYEY BASE.
32	[Pattern]		LIME MUDST. A/A		SANDY; GREY; PREC HARD, MULTIFORS.
33	[Pattern]		OOMICRITE + LIME MUDST.		GREY; SHALY IN PTS; SCATT OOLDS IN LIME MUD; BEC DRR, BRISLY, HALLD. [SOME LARGE BIVALVES. IN NEXT]
34	[Pattern]		LIME MUDST. A/A		W/ OOLDS. SHELLY. GREY. BOUNDINAGE; SHALY CLAYEY MUD; BROWN
35	[Pattern]		OOMICRITE + LIME MUDST.		PALE GREY, MUD PATCHES, SCATT SHELLS + SQUASHED OOLDS AT BASE.
36	[Pattern]		SHALE		
37	[Pattern]		CALCITE MUDSTONE		GREY, BROWN AT BASE. CONCRETES + SKELETAL DEBRIS. FEW OOLDS. DISOLING LAYER.
38	[Pattern]		OOMICRITE		CLOSE PACKED, BROWN AT TOP THEN ALL GREY, BEC MUDDY IN PATCHES.
39	[Pattern]				
40	[Pattern]		OOMICRITE		BROWN + GREY PATCHY; CRUMBLY IN PTS, CLAYEY TOWARDS BASE.
41	[Pattern]		OOMICRITE + LIME MUDST.		PATCHY, BIONE, SCATT OOLDS.
42	[Pattern]		LIME MUDST.		BLACK SHALE BASE.
43	[Pattern]				SD. BOUNDINAGE; CLAY SCAMS; SCAT OOLDS + SHELLS
44	[Pattern]				
45	[Pattern]				
46	[Pattern]				
47	[Pattern]				
48	[Pattern]				
49	[Pattern]				
50	[Pattern]				
51	[Pattern]	50.7 END CORE			



Additional information



Bloxham 127/218 (b)

AWA production site

Information from AWA Sept. 1981

At the time that Ashby P.S. 114/99 (b+c) was producing water of a nitrate content of c. 15 mg/l, the water produced at Bloxham was 3-4 mg/l lower. (? 1976) However, the yield at Bloxham was found to be inadequate.

ASK Sept. 1981

SP43NW

NGDC
ACCESSION
NUMBER
35266

See also of ND log - 4610 REC : 1F US331

~~TF05SE/27~~  
TF05JE/20  
IGS

GROUNDWATER POLLUTION NITRATE RESEARCH

BOREHOLE BLOXHOLM - AWA

SAMPLE	DEPTH (m)	DATE & TIME	CORRECTION	TURBIDITY	GRAIN SIZE	COLOR	DESCRIPTIVE LOG	COMMENTS
	25					Grey	Fine grained impure limestone with large shells - c. 3cm diam. Hard & well cemented	
	26						Oolitic limestones with sparry cement. Occasional shells. Oolites even medium size & constitute 95% of limestone. Well cemented & hard	
	27					Butt	oxidised portion either side of fissure.	Major fissure
						Grey	Oolitic limestones as above - towards base oolitic & shaly	Butt edges to fissure
	28					Butt		
						Grey	impure shelly limestones with minor oolitic content in patches. Well cemented with sparry calcite. Blue herited with butt oxidised portion near fissure. Shaly fragments up to 1cm	
	29					Grey	Oolitic limestones with many shaly fragments up to 10%. Sparry cemented and hard. Oolitic & shaly near base	
	30						Fine grained impure shelly limestones - in places with small branch shells up to 3cm diam. Sparry cement	
							become silty towards base	

GROUNDWATER NITRATE  
POLLUTION RESEARCH

BOREHOLE BLUXHOLM - AWA

IGS

SAMPLE			DEPTH	DATE & TIME	CORRECTION	FACIES	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
AERE	AVA	PH PR								
			30						laminated clay band with small shell fragments	
								Light grey with mottled buff patches	Impure shelly limestone (minor oolith content at top) with micrite matrix but spamy calcite cement. <sup>often large</sup> whole shells set in skeletal debris	
			31						Hard & well cemented	
								Buff	Oolitic limestones with spamy cement. In patches v. silty. Minor shell component	
								Light grey	Oolitic banded in thinning upward sequence in places.	
			32							
									Fine grained impure soft limestone. Occasional oolith	
								Buff	Fracture oolitic limestone with spamy calcite cement. Banded in thinning upward sequence - mainly parting in parts	
			33							
								Grey		
			34							
			35							
								mid grey	laminated clay seam with shell fragments	
								grey	Oolitic limestone with intraclasts	
								mid grey	clay seams with shell fragments - jaggy	
									Oolitic limestone with spamy cement & in patches much silt. Occasional shell fragments	
			36							

GROUNDWATER NITRATE  
POLLUTION RESEARCH

BOREHOLE

Bloxham Awa  
~~D2052~~

IGS

SAMPLE			DEPTH	DATE & TIME	OCCURRENCE	LITHOLOGY	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
AERE	AWA	Moist								
			36					grey	oolitic limestones with Spamy cement for most part. In patches v. impure with silt up to 40% Some parts rich in skeletal debris and large whole lamellibranchia gastropod shells (up to c. 4cm) Yugs filled with spamy calcite crystals	
			37							
			38						Impure fine grained limestones with occasional scattered ooliths or some shell debris. Hard & well cemented	
			39						Impure fine grained lmt with abundant shell debris. Minor ooliths % which increases towards base Hard & cemented with spar	
								dark grey	laminated clay seam with much shell debris on laminae & scattered ooliths. Micaceous	
								grey	Fine grained limestone with scattered black ooliths (50%)	
			40						Fine grained porcellaneous lmt with shell debris Thin marl seam with shell debris Fine grained lmt + shells laminated marl seam with shell debris	
								dk grey	Impure fine grained limestone with scattered ooliths. v. hard. No shells	
			41							
									Very impure limestone Fine grained and laminated much shell debris aligned along laminae. Squashed ooliths minor %	
			42					dk grey	laminated clay seam with shell debris v. fine grained porcellaneous lmt with occasional ooliths (<1%)	

GROUNDWATER NITRATE POLLUTION RESEARCH BOREHOLE BLOXHOLM - AWA IGS

SAMPLE		DEPTH m	DATE & TIME	COORDINATES	ELEVATION	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
AERE	AWA								
		42						V. fine porcellanous lstr as above	
		43						Fine grained limestone with scattered ooliths (10%) Clay pellets & reworked lstr.	
		44						Fine grained impure limestone with laminated bands of shell fragments (2-3cm)	
		45						marly packing	
		46						Oolitic limestone with hard spang cement. Silty matrix in patches	
		47						large shell 6cm replaced & infilled with calcite crystals.	
		48						shell fragments become more abundant in oolitic lstr.	
		49						mottled buff grey	
		50						grey	
		51						med grey buff	
		52						grey	
		53						Very coarse crumbly oolite with muddy matrix and mud pellets Occasional shell fragments in med. sized oolitic lms with spang cement Hard limestone	
		54						Crumbly oolite with vugs	
		55						Grey	
		56						Hard oolitic limestone with much clay in matrix	
		57						Buff	

GROUNDWATER NITRATE POLLUTION RESEARCH BOREHOLE Bloxholm - AWA IGS

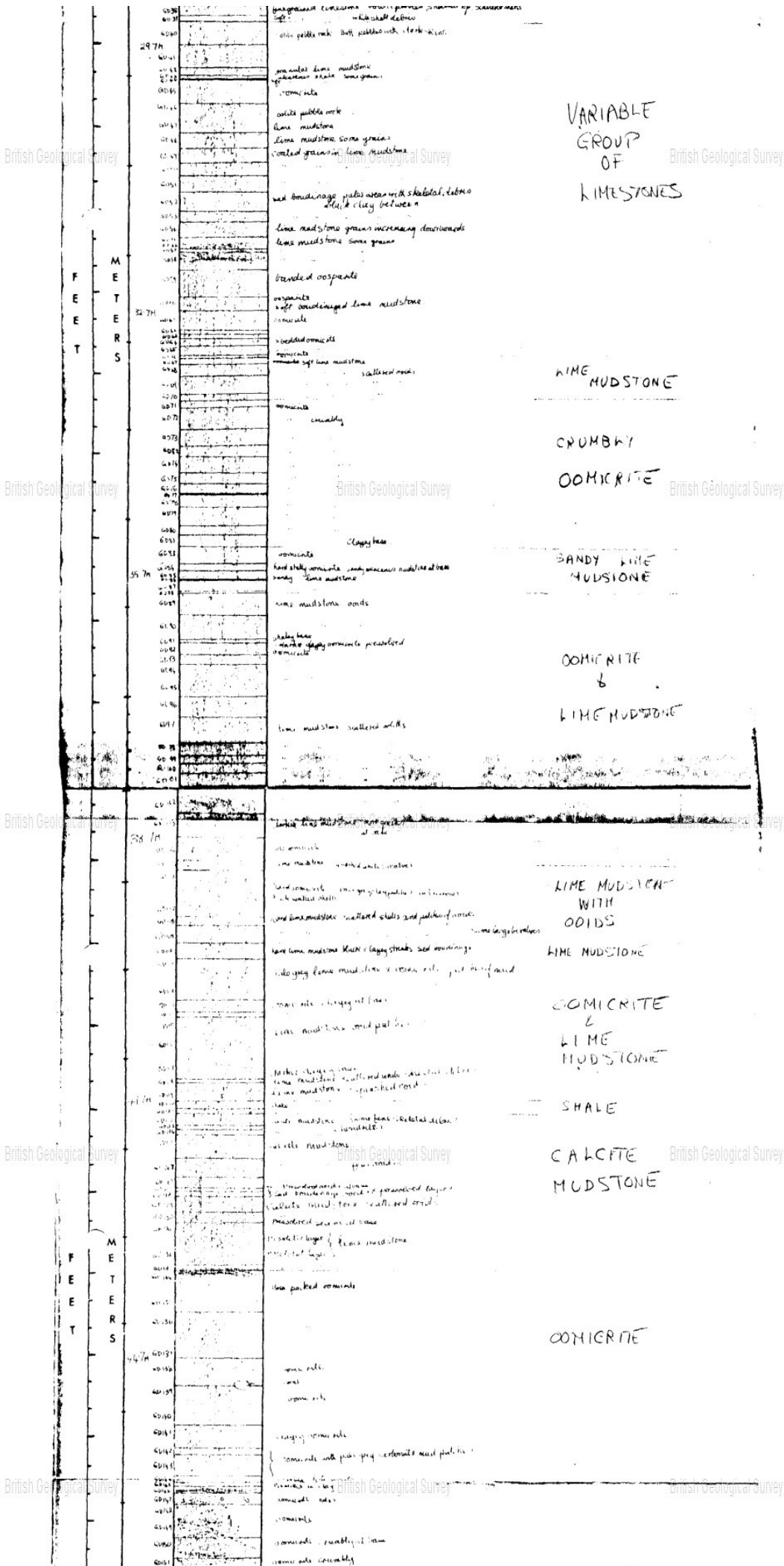
SAMPLE				DEPTH	DATE & TIME	CORRELATION	LITHOLOGY	GRADICOLOR	COLOR	DESCRIPTIVE LOG	COMMENTS
AERE	AWA	Moist	PH PR								
				48					Butt	Oolitic limestone with fine grained matrix. Hard & well cemented (spamy) Calcite infilled horizontal vein (1cm diam) Major vertical fracture with Ferruginous deposit on walls. Minor shell fragment component in patches.	
				49					Grey	shelly clay rich band limestone.	
				50					Grey	Fine grained limestone with scattered ooliths and approx 15% shell debris. Hard & well cemented.	
									Grey	clay rich band with shell fragments	
									Lt Grey	Fine grained (impure) limestone with scattered ooliths. Marly partings at top. Minor shell debris component.	
				51							

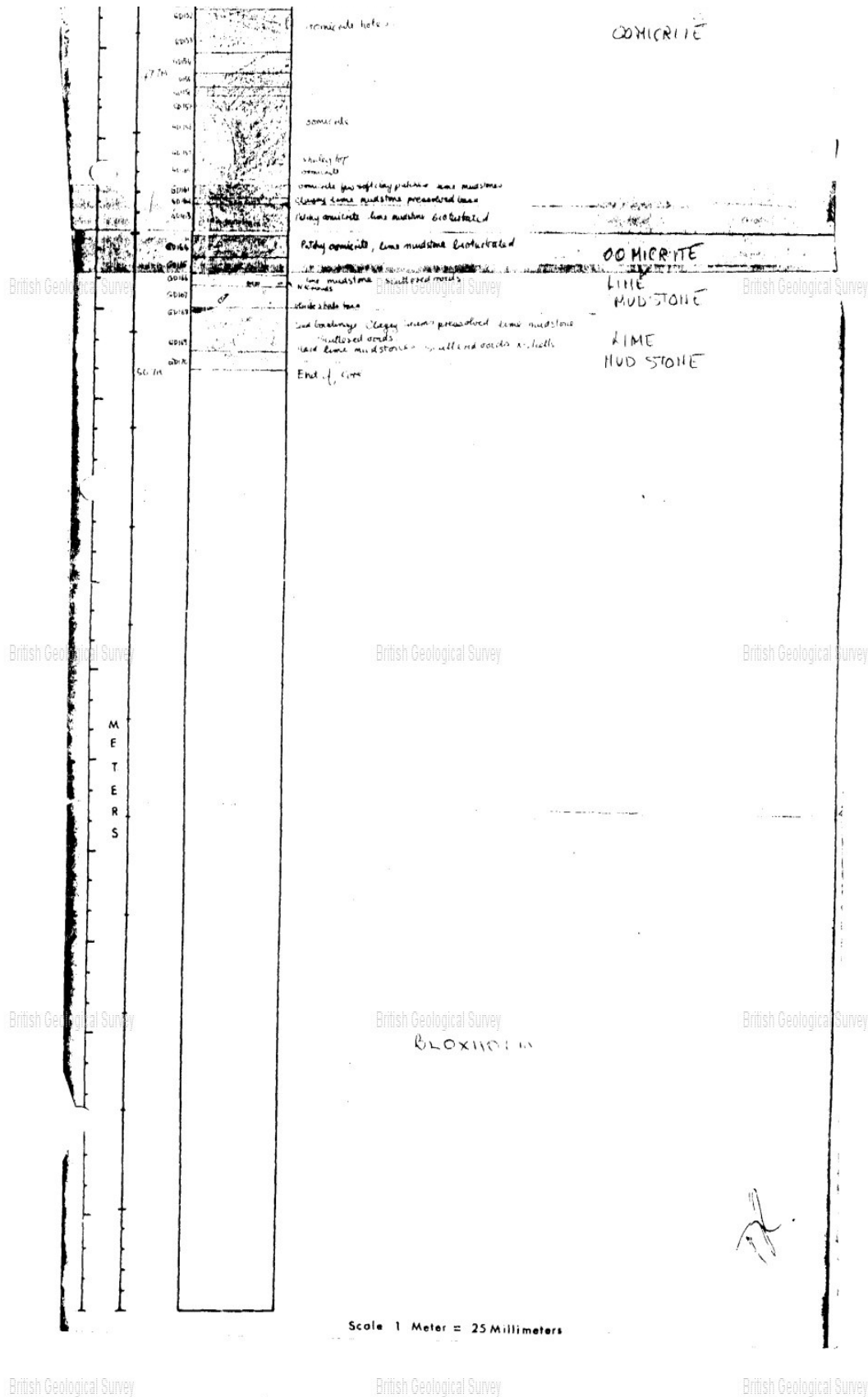
CGD). 11/05/20 17 003 331

Depth (m)	Notes	Stratigraphic Unit	Description
2		CLAY	STIFF BROWN, W/ BOULDER S.
4		GREY SANDY ROCK	See also A.S.G.'s log.
6	DELEGES LOG.		
8			
10			
12		LT GREY SAND ROCK	
14		A/A	
16		LIMESTONE	OSTREA-RICH, SHALY, FINE FRAGMENTED CLAYEY.
20	NO CORE	DARK GREY STIFF CLAY.	
24.5	24.5	TOP LAY.	
25		OOOLITE LIMESTONES	HARD OOLIPARITE, SOME SHELLS, GREY AT TOP THEN BROWN.
26			CRUMBLY OOLITE, BROWN THEN GREY, FRAGILE/HARD OOLIPAR, BROWN/GREY BANDS.
27			
28		FG LIMESTONES + JONICRITE	SCATT OOLDS, WHT SKELEAL DEBRIS; GREY W/ BROWN BANDS, DEC SHELLY.
29			
30		LIMESTONE	OOOLITE PETTILY; GRANULAR; OOLITE; LIME MUDSTONE; COME BOUNDAGE;
31			BANDED OOLIPARITE, X-BEDDED OOLICRITE. MAINLY GREY, BROWN BAND.
32			
33		LIME MUDST.	SOFT, SCATTERED OOLDS.
34		CRUMBLY OOLICRITE.	GREY.
35			CLAYEY BASE.
36		LIME MUDST.	SANDY; GREY; PLED HARD, MUCKEES.
37		OOOLICRITE + LIME MUDST.	GREY; SHALY IN PTS; SCATT OTES IN LIME MUD; DEC DER, SHELLY, HARD. [SOME LARGE BINAVES. IN NEXT].
38			W/ OOLDS. SHELLY. MUDST. BOUNDAGE; BROWN/GREY BANDS; FRAGILE
39		LIME MUDST	PAL GREY, MUD PATCHES, SCATT SHELLS + SQUASHED OOLDS AT BASE.
40		OOOLICRITE + LIME MUDST.	
41			
42		CALCITE MUDSTONE	GREY, BROWN AT BASE. COARDETES + SKELEAL DEBRIS. FEW OOLDS. DISOLING LAYER.
43			
44		OOOLICRITE	CLOSE PACKED, BROWN AT TOP THEN ALL GREY, DEC MUDDY IN PATCHES.
45			
46		OOOLICRITE	BROWN + GREY PATCHY; CRUMBLY IN PTS, CLAYEY TOWARDS BASE.
47			
48		OOOLICRITE + LIME MUDST.	PATCHY, BROWN, SCATT OOLDS.
49			
50		LIME MUDST.	BLACK SHALE BASE.
51	SOFT END CORE		SEC. BOUNDAGE; CLAY SCAMS; SCAT OOLDS + SHELLS











British Geological Survey

Version 2.0.6.6

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

**RECORD of WELL-BORING (Nos. 14-17)**

Survey No. 114  
1" N.S.  
1" O.S.

Across the railway of the Lincolnshire Limestone, 9 miles S. of Lincoln.

Town, Village, &c. \_\_\_\_\_ County Lincoln Six-inch map \_\_\_\_\_

Exact site (unless a tracing from a map is supplied, give distance and direction from parish church, cross-roads, or other object shown on maps). (Description of site made by G.N.D. from the Popular Edition sheet of \_\_\_\_\_ of \_\_\_\_\_ one-inch map. (Square \_\_\_\_\_) (see tracing) being used is on 1" scale.

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 borings at top 6 in., at bottom 6 in.

Details of lining tubes (internal diameters preferred) \_\_\_\_\_  
All the tubes were drilled to tube explosive (for the seismic method of geophysical 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 \_\_\_\_\_ galls. per \_\_\_\_\_, (ii) normal \_\_\_\_\_ galls. per \_\_\_\_\_

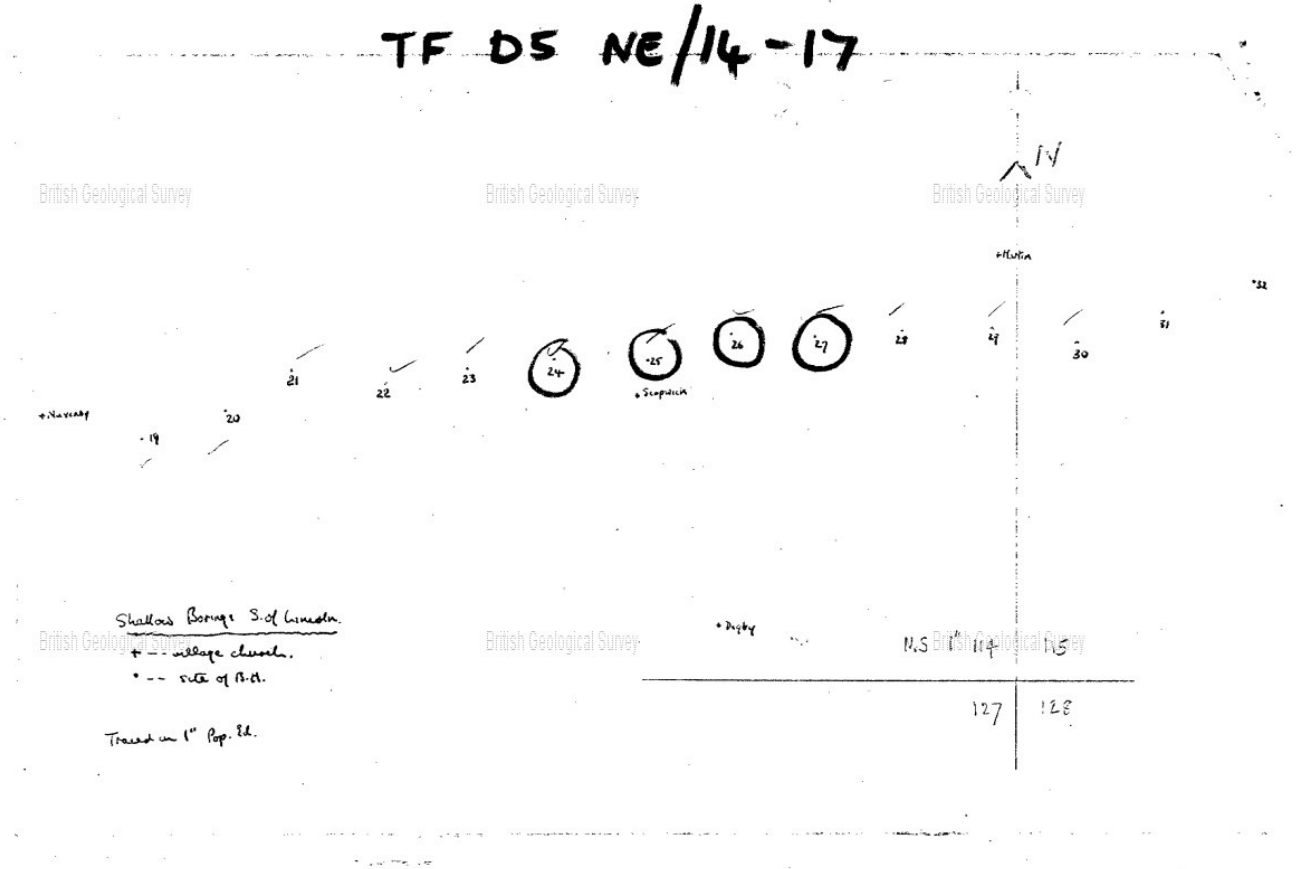
Quality (attach copy of analysis if available) \_\_\_\_\_

Made by Le Grand, Sutcliffe & Co. Ltd for Mr. J. Arvey Exploration Co Date of boring Nov. 1930

Information from Mr. P. E. Kemp (Anglo-Bohemian Co.)

(For Survey use only)

	THICKNESS	DEPTH
<b>TF05 NE/14 + 15</b>		
Nos. 24 + 25 Records of 11' not preserved. No. 24 was 64 chains W.N.W. of Scapwick church, or just N. of the Navvily Road. No. 25 was 26 chains N by E of Scapwick church and 26 chains E of the Blankney road at the turning to Navvily + Lincoln.		
<b>TF05 NE/16</b>		
No. 26. Scapwick parish; on the boundary, 78 chains E.N.E. of Scapwick church and about 9 chains W.S.W. of Scapwick Lodge Farm. [Location near Scapwick Lodge. Bore 23]. O.D. [just below 50' centre] say 49'. No water reported		
<ul style="list-style-type: none"> <li>Mould</li> <li>Soft red brown</li> <li>Limestone</li> <li>Mottled clay</li> <li>Clay</li> <li>Hard sandy clay</li> </ul>	<ul style="list-style-type: none"> <li>0-5</li> <li>0-38</li> <li>5-52</li> <li>20-61</li> <li>39-89</li> <li>123-66</li> </ul>	<ul style="list-style-type: none"> <li>-</li> <li>1</li> <li>6</li> <li>8</li> <li>48</li> <li>60</li> </ul>
"Bore is a Cambrian crop of good. water. ? when is it. O.K. to let"		
<b>MARTIN PARISH BORE NO. 27</b>		
TF 09541 58809		
<b>TF05 NE/17</b>		
No. 27. Martin parish, on the Timberland boundary. 8 chains E of the railway and 37 chains N. by E of bridge (or level crossing?) at Scapwick station. O.D. (just below 25' centre) say 24'. Rest water level 3 ft. down.		
<ul style="list-style-type: none"> <li>Top soil</li> <li>Mottled clay</li> <li>Blue sandy clay</li> </ul>	<ul style="list-style-type: none"> <li>1</li> <li>39-89</li> <li>20</li> </ul>	<ul style="list-style-type: none"> <li>1</li> <li>40</li> <li>60</li> </ul>
" ? Kellaway under B. Clay. [If so] Chr. is here - 35' [or less], but it is 40 + 47' O.D. in No 26 - giving depth of 83' for 3/4 mile - 112 ft. per mile."		

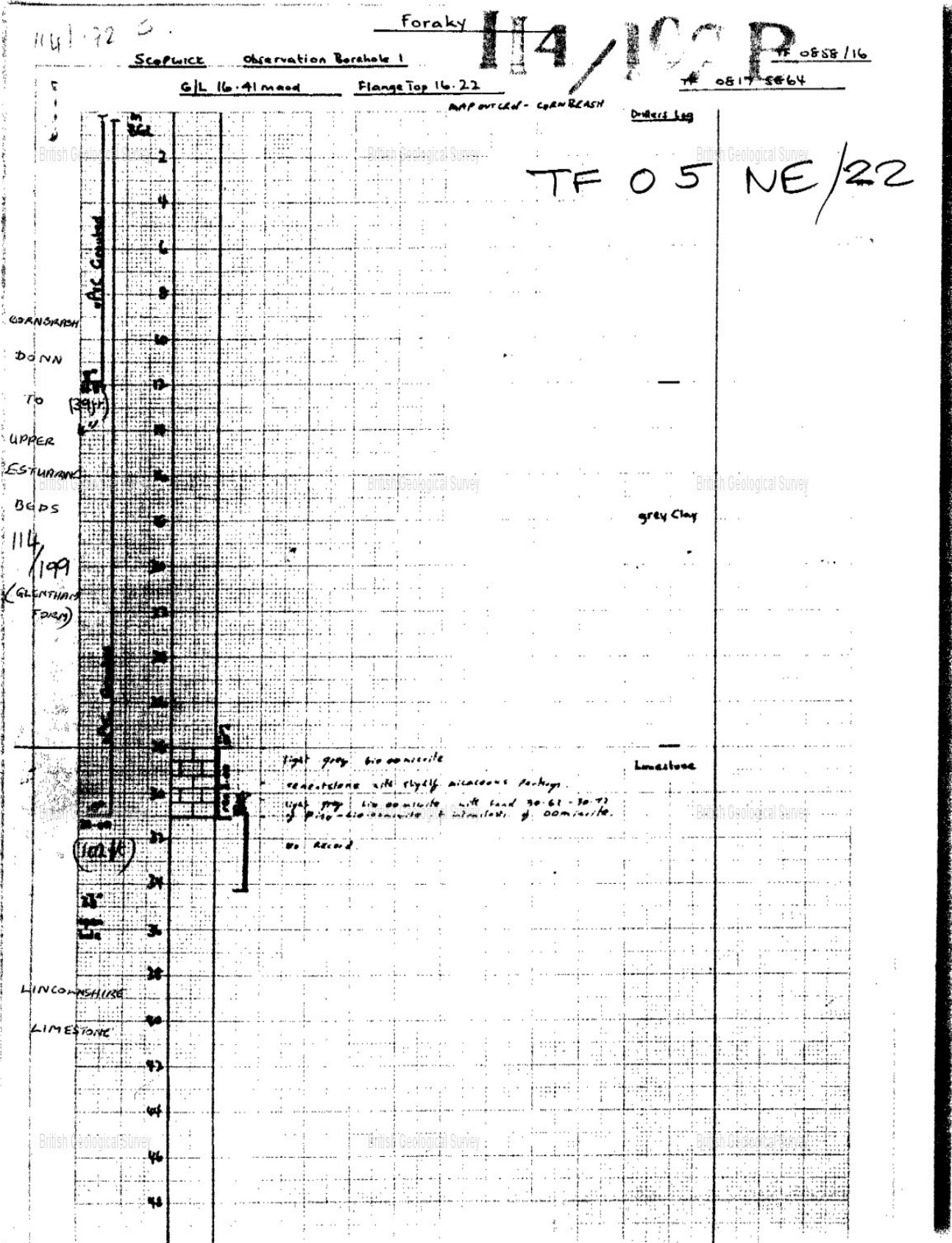




British Geological Survey

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

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





<<

< Prev

Page 2 of 6

Next >

>>

Scaphwick obs. no 1

114/192 B TF05 NE/22 TP 0858/16

<p>LINGS LST. (CONT)</p> <p>52</p> <p>54</p> <p>GERINTHAM FORT. 56</p> <p>† NORTHANTS SAND</p> <p>† COLBY MUDSTONES</p> <p>59.25m</p> <p>Total depth</p> <p>(194' 10")</p> <p>G D G</p> <p>6-12-79</p>	<p>bottom Lmt</p> <p>Drilled by FORBES 4/5/76 - 14/5/1976</p> <p>1 bar core at Appleby core store. Logged P.F.L. 9/8/79.</p>
--	--

114/192 B



**British  
Geological  
Survey**

*Version 2.0.6.6*

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



<<

< Prev

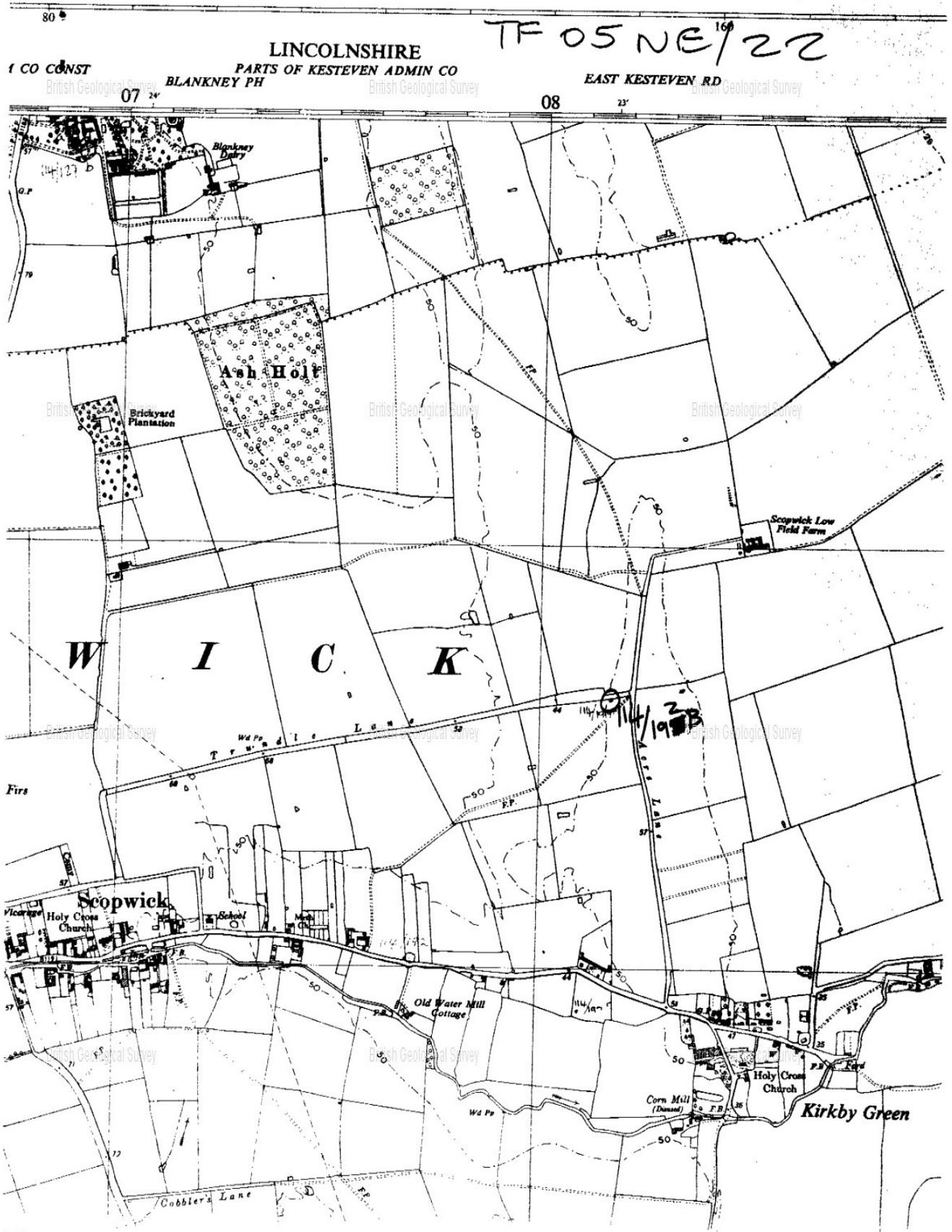
Page 3 of 6 ▾

Next >

>>

Scale 1:10,560 or 6 Inches to 1 Mile

Provisional







**British  
Geological  
Survey**

*Version 2.0.6.6*

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



<<

< Prev

Page 5 of 6 ▾

Next >

>>

Scopwick obs. N°1

114/192 B

TF05/45  
TF 0858/16

WINDINGSHIRE  
LIMESTONE 52  
(CONT.)  
54

GRANTHAM FM 56  
+ NORTHANTS SAND  
+ COLESBY MUDSTONE 58

59.25m  
Total depth

(194' . 10")

bottom limb

Drilled by FORBAY 1/5/76 - 14/5/1976

1 box core at Appleby core store. Logged P.F.C. 9/9/99

PER  
G.D.G.  
6.12.79.

114/192  
B



**British  
Geological  
Survey**

*Version 2.0.6.6*

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



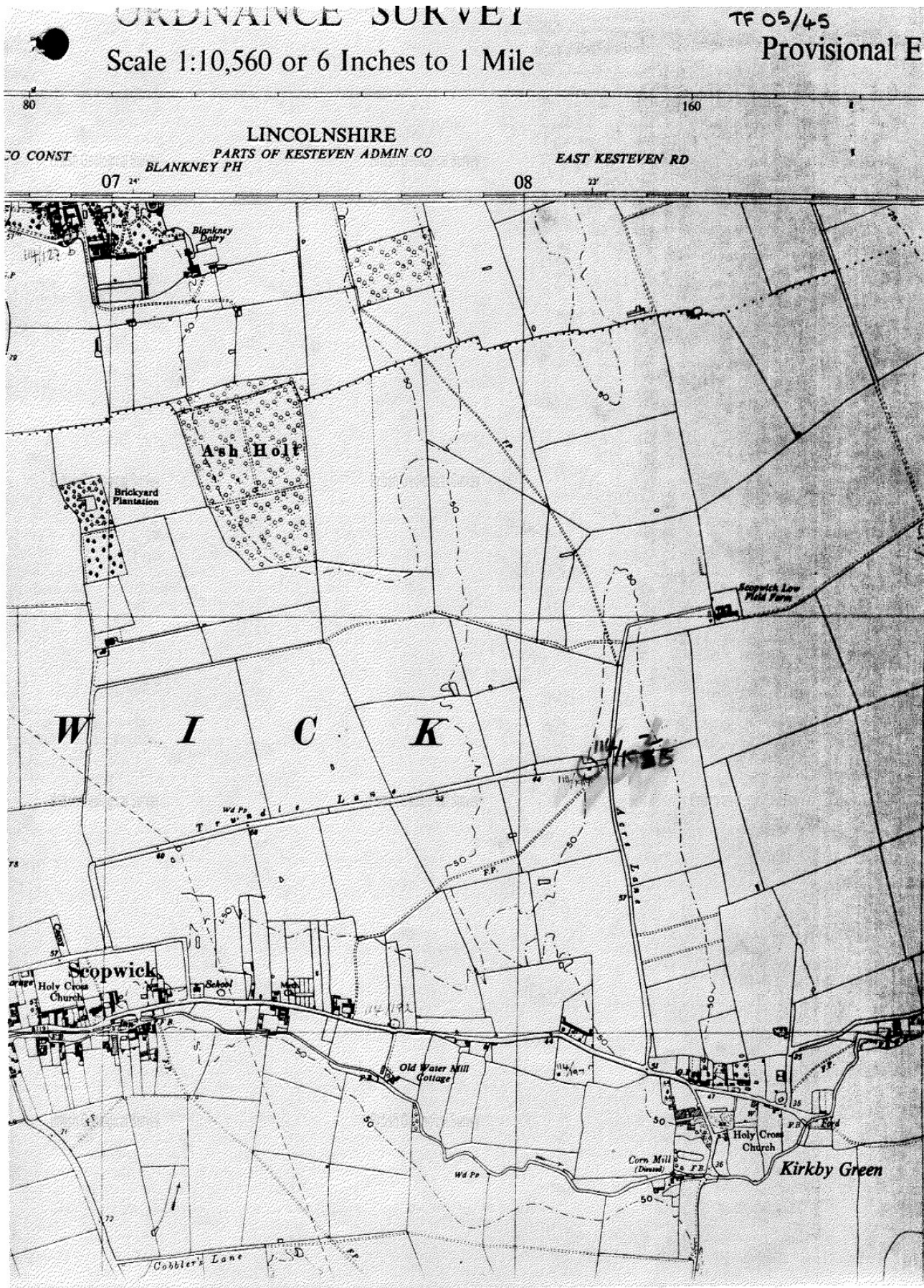
<<

< Prev

Page 6 of 6 ▾

Next >



>>




## **APPENDIX F    SITE RECONNAISSANCE PHOTOGRAPHS**


---

## APPENDIX F SITE RECONNAISSANCE PHOTO LOG


<b>PHOTOGRAPHIC LOG</b>		
<b>Photo no.</b> 1	<b>Date:</b> 20/10/2022	
South west		
<b>Description:</b> Zone M9 - Minor road running onto the site.		
<b>Photo No.</b> 2	<b>Date:</b> 20/10/2022	
North west		
<b>Description:</b> Zone M9 - Overhead services running along the northern site boundary.		


**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 3	<b>Date:</b> 20/10/2022	
East		
<b>Description:</b> Zone M9 - Residential home which does not form part of the site.		

<b>Photo No.</b> 4	<b>Date:</b> 20/10/2022	
South East		
<b>Description:</b> Zone M9/M5 - Area subject to tree planting		

**PHOTOGRAPHIC LOG**

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

<b>Photo No.</b> 6	<b>Date:</b> 20/10/2022	
North east		
<b>Description:</b> Zone M5 - Water tank does not form part of the site boundary		



**PHOTOGRAPHIC LOG**

**Photo no.**  
7

**Date:**  
20/10/2022



**Description:**  
Zone M5 - Tap on water tank

**Photo No.**  
8

**Date:**  
20/10/2022

South



**Description:**  
Zone M5 - View of water tank

**PHOTOGRAPHIC LOG**

**Photo no.**  
**Date:**  
**9**                      20/10/2022

South east

**Description:**  
Zone M5 - Remnants from a bonfire and a barn. This area doesn't form part of the site.



**Photo No.**    **Date:**  
**10**                      20/10/2022


South

**Description:**  
Zone M5 - Services noted




**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 11	<b>Date:</b> 20/10/2022	
South west		
<b>Description:</b> Zone M5 - View across field which forms part of the site.		


<b>Photo No.</b> 12	<b>Date:</b> 20/10/2022	
East		
<b>Description:</b> Zone M6 - Railway line running adjacent to the site on the eastern boundary.		

**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 13	<b>Date:</b> 20/10/2022	
South west		
<b>Description:</b> Zone M5 - View across field which forms part of the site.		


<b>Photo No.</b> 14	<b>Date:</b> 20/10/2022	
West		
<b>Description:</b> Zone M5 - View across field which forms part of the site.		

**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 15	<b>Date:</b> 20/10/2022	
South west		
<b>Description:</b> Zone M5/M1 - View across field which forms part of the site. Overhead services noted running across the site.		


<b>Photo No.</b> 16	<b>Date:</b> 20/10/2022	
South east		
<b>Description:</b> Zone M5/M6 - View across field which forms part of the site.		

**PHOTOGRAPHIC LOG**

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


<b>Photo No.</b> 18	<b>Date:</b> 20/10/2022	
South west		
<b>Description:</b> Zone M1 - View across field which forms part of the site. Overhead services noted running across the site.		


**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 19	<b>Date:</b> 20/10/2022	
South west		
<b>Description:</b> Zone J14 - View across field which forms part of the site. Overhead services noted running across the site.		

<b>Photo No.</b> 20	<b>Date:</b> 20/10/2022	
West		
<b>Description:</b> Zone J14 - Small footbridge over drainage ditch.		


**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 21	<b>Date:</b> 20/10/2022	
East		
<b>Description:</b> Drainage ditch running between fields, and overhead services crossing the site.		

<b>Photo No.</b> 22	<b>Date:</b> 20/10/2022	
South east		
<b>Description:</b> Zone J14 - View across field which forms part of the site. Overhead services noted running across the site.		




**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 23	<b>Date:</b> 20/10/2022	
West		
<b>Description:</b> Zone J13 - View across field which forms part of the site.		

<b>Photo No.</b> 24	<b>Date:</b> 20/10/2022	
South west		
<b>Description:</b> Zone J9 - View across field which forms part of the site.		


**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 25	<b>Date:</b> 20/10/2022	
South east		
<b>Description:</b> Zone J13 - View across field which forms part of the site.		

<b>Photo No.</b> 26	<b>Date:</b> 20/10/2022	
West		
<b>Description:</b> I16 - View across field which forms part of the site.		

**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 27	<b>Date:</b> 20/10/2022	
South west		
<b>Description:</b> Zone I12 - View across field which forms part of the site.		

<b>Photo No.</b> 28	<b>Date:</b> 20/10/2022	
North west		
<b>Description:</b> Zone I16 - View across field which forms part of the site.		

**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 29	<b>Date:</b> 20/10/2022	
<b>Description:</b> Zone I16 - Underground service.		

<b>Photo No.</b> 30	<b>Date:</b> 20/10/2022	
North west		
<b>Description:</b> Zone M1/L4 - Overhead services noted running across the site.		

**PHOTOGRAPHIC LOG**

**Photo no.**    **Date:**  
31                20/10/2022

North east

**Description:**

Zone M1 - Barn which is part of Scopwick Low Field Farm. This building is not included within the site boundary.



**Photo No.**    **Date:**  
32                20/10/2022


East

**Description:**

Zone J13 - Buildings which are part of Scopwick Low Field Farm. These structures are not included within the site boundary.



**PHOTOGRAPHIC LOG**

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

<b>Photo No.</b> 36	<b>Date:</b> 20/10/2022	
South west		
<b>Description:</b> Zone I15 - Underground service covers noted.		

**PHOTOGRAPHIC LOG**

**Photo no.**  
37

**Date:**  
20/10/2022



**Description:**

Zone I15 - Underground service covers noted.

**Photo No.**  
38

**Date:**  
20/10/2022

South west



**Description:**

Zone I15 - Borehole noted.

**PHOTOGRAPHIC LOG**


<b>Photo no.</b> 39	<b>Date:</b> 20/10/2022	
South west		
<b>Description:</b> Zone I15 - View across field which forms part of the site.		

<b>Photo No.</b> 40	<b>Date:</b> 20/10/2022	
South east		
<b>Description:</b> Zone I15 - Pylons noted running across the site.		



**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 41	<b>Date:</b> 20/10/2022	
West		
<b>Description:</b> Zone I14 - View across field which forms part of the site.		


<b>Photo No.</b> 42	<b>Date:</b> 20/10/2022	
North		
<b>Description:</b> Zone I14 - View across field which forms part of the site. Pylons noted running across the site.		

**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 43	<b>Date:</b> 20/10/2022	
West		
<b>Description:</b> Zone I14/I15 - View across field which forms part of the site. Pylons noted running across the site.		


<b>Photo No.</b> 44	<b>Date:</b> 20/10/2022	
East		
<b>Description:</b> Zone L3 - View across field which forms part of the site.		

**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 45	<b>Date:</b> 20/10/2022	
South		
<b>Description:</b> Zone L2 - View across field which forms part of the site.		

<b>Photo No.</b> 46	<b>Date:</b> 20/10/2022	
East		
<b>Description:</b> 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**

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

<b>Photo No.</b> 48	<b>Date:</b> 20/10/2022	
East		
<b>Description:</b> Zone L3 - View across field which forms part of the site.		

**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 49	<b>Date:</b> 20/10/2022	
North west		
<b>Description:</b> Zone L8 - View across field which forms part of the site.		

<b>Photo No.</b> 50	<b>Date:</b> 20/10/2022	
North		
<b>Description:</b> Zone – L8 - View across field which forms part of the site.		

**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 51	<b>Date:</b> 20/10/2022
------------------------	----------------------------

South east

**Description:**  
Zone L4/M1 - View across field which forms part of the site.




<b>Photo No.</b> 52	<b>Date:</b> 20/10/2022
------------------------	----------------------------

North

**Description:**  
Zone L8 - View across field which forms part of the site.



**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 53	<b>Date:</b> 20/10/2022	
East		
<b>Description:</b> Zone M5 - Barn structure which does not form part of the site.		

<b>Photo No.</b> 54	<b>Date:</b> 20/10/2022	
North east		
<b>Description:</b> Zone M5 - Barn structure which does not form part of the site.		

**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 55	<b>Date:</b> 20/10/2022	
South		
<b>Description:</b> Zone L8/L12 - View across field which forms part of the site.		

<b>Photo No.</b> 56	<b>Date:</b> 20/10/2022	
North east		
<b>Description:</b> Zone I10 - View across field which forms part of the site. Residential homes do not form part of the site.		



**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 57	<b>Date:</b> 20/10/2022	
North		
<b>Description:</b> Zone I9 - Pumping Station		

<b>Photo No.</b> 58	<b>Date:</b> 20/10/2022	
West		
<b>Description:</b> Zone I9 - View across field which forms part of the site.		

**PHOTOGRAPHIC LOG**

**Photo no.**  
59

**Date:**  
20/10/2022



**Description:**  
Zone I9 - Small structures noted.

**Photo No.**  
60


**Date:**  
21/10/2022

North west



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

**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 61	<b>Date:</b> 21/10/2022	
West		
<b>Description:</b> Zone I9/H12 - View across field which forms part of the site. Underground services noted.		

<b>Photo No.</b> 62	<b>Date:</b> 21/10/2022	
North		
<b>Description:</b> Zone H8 - View across field which forms part of the site.		


**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 63	<b>Date:</b> 21/10/2022	
North		
<b>Description:</b> Zone H4 - Entrance to an Autism Care Centre adjacent to the site.		


<b>Photo No.</b> 64	<b>Date:</b> 21/10/2022	
South west		
<b>Description:</b> Zone I5 - View across field which forms part of the site.		

**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 65	<b>Date:</b> 21/10/2022	
South west		
<b>Description:</b> Zone I5 - View across field which forms part of the site.		

<b>Photo No.</b> 66	<b>Date:</b> 21/10/2022	
East		
<b>Description:</b> Zone I5 - An area of tree planting, saplings visible.		

**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 67	<b>Date:</b> 21/10/2022	
South west		
<b>Description:</b> Zone I5 - View across field which forms part of the site.		

<b>Photo No.</b> 68	<b>Date:</b> 21/10/2022	
South east		
<b>Description:</b> Zone I5 - View across field which forms part of the site.		

**PHOTOGRAPHIC LOG**

**Photo no.**  
69

**Date:**  
21/10/2022

East

**Description:**  
Zone I5 - Barn structure which does not form part of the site.



**Photo No.**  
70


**Date:**  
21/10/2022

**Description:**  
Zone I5 - Barn structure which does not form part of the site.




**PHOTOGRAPHIC LOG**


<b>Photo no.</b> 71	<b>Date:</b> 21/10/2022	
South west		
<b>Description:</b> Zone I5 - Stockpiles adjacent to the barn which doesn't form part of the site.		

<b>Photo No.</b> 72	<b>Date:</b> 21/10/2022	
South east		
<b>Description:</b> Zone I5/I1 - View of field which forms part of the site.		




**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 73	<b>Date:</b> 21/10/2022	
North		
<b>Description:</b> Zone I6 - Gas pipeline marker noted.		


<b>Photo No.</b> 74	<b>Date:</b> 21/10/2022	
North		
<b>Description:</b> Zone I6 - View of field which forms part of the site.		


**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 75	<b>Date:</b> 21/10/2022	
South east		
<b>Description:</b> Zone I6/I2 - View of field which forms part of the site.		


<b>Photo No.</b> 76	<b>Date:</b> 21/10/2022	
East		
<b>Description:</b> Zone I6 - View of field which forms part of the site.		

**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 77	<b>Date:</b> 21/10/2022	
East		
<b>Description:</b> Zone I7/I10 - View of field which forms part of the site.		


<b>Photo No.</b> 78	<b>Date:</b> 21/10/2022	
South west		
<b>Description:</b> Zone I1 - View of field which forms part of the site.		


**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 79	<b>Date:</b> 21/10/2022	
East		
<b>Description:</b> Zone I1 - View of field which forms part of the site.		


<b>Photo No.</b> 80	<b>Date:</b> 21/10/2022	
South west		
<b>Description:</b> Zone I1/H4 - View of field which forms part of the site.		


**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 81	<b>Date:</b> 21/10/2022	
West		
<b>Description:</b> Zone H4 - View of field which forms part of the site.		


<b>Photo No.</b> 82	<b>Date:</b> 21/10/2022	
South west		
<b>Description:</b> Zone H4 - View of field which forms part of the site.		


**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 83	<b>Date:</b> 21/10/2022	
East		
<b>Description:</b> Zone F13 - View of field which forms part of the site.		


<b>Photo No.</b> 84	<b>Date:</b> 21/10/2022	
West		
<b>Description:</b> Zone F13 - View of field which forms part of the site.		


**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 85	<b>Date:</b> 21/10/2022	
South		
<b>Description:</b> Zone F13 - View of field which forms part of the site.		

<b>Photo No.</b> 86	<b>Date:</b> 21/10/2022	
South east		
<b>Description:</b> Zone F13 - View of field which forms part of the site.		


**PHOTOGRAPHIC LOG**

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

<b>Photo No.</b> 88	<b>Date:</b> 21/10/2022	
South		
<b>Description:</b> Zone E16 - View of field which forms part of the site.		




**PHOTOGRAPHIC LOG**

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


<b>Photo No.</b> 90	<b>Date:</b> 21/10/2022	
North		
<b>Description:</b> Zone E16 - Small asphalt stockpile located on hardstanding.		


**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 91	<b>Date:</b> 21/10/2022	
North west		
<b>Description:</b> Zone E16 - View of field which forms part of the site.		


<b>Photo No.</b> 92	<b>Date:</b> 21/10/2022	
South west		
<b>Description:</b> E16 - Residential property adjacent to the site.		


**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 93	<b>Date:</b> 21/10/2022	
West		
<b>Description:</b> Zone E16/E15 - View of field which forms part of the site.		


<b>Photo No.</b> 94	<b>Date:</b> 21/10/2022	
North west		
<b>Description:</b> Zone E15 - Gas tap observed		


**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 95	<b>Date:</b> 21/10/2022	
West		
<b>Description:</b> Zone E15 - View of field which forms part of the site.		

<b>Photo No.</b> 96	<b>Date:</b> 21/10/2022	
N/A		
<b>Description:</b> Zone E15 - Gas tap observed		

**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 97	<b>Date:</b> 21/10/2022	
West		
<b>Description:</b> Zone E14/E15 - View of field which forms part of the site.		

<b>Photo No.</b> 98	<b>Date:</b> 21/10/2022	
North		
<b>Description:</b> Zone E14 - View of field which forms part of the site.		


**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 99	<b>Date:</b> 21/10/2022	
East		
<b>Description:</b> Zone H2 - Haybale stacks.		


<b>Photo No.</b> 100	<b>Date:</b> 21/10/2022	
North west		
<b>Description:</b> Zone H2 - Haybale stacks.		


**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 101	<b>Date:</b> 21/10/2022	
North west		
<b>Description:</b> Zone H2 - View of field which forms part of the site. The buildings in the distance do not form part of the site.		

<b>Photo No.</b> 102	<b>Date:</b> 21/10/2022	
South west		
<b>Description:</b> Zone E13/E14 - View of field which forms part of the site.		


**PHOTOGRAPHIC LOG**


<b>Photo no.</b> 103	<b>Date:</b> 21/10/2022	
South west		
<b>Description:</b> Zone E13 - View of field which forms part of the site.		

<b>Photo No.</b> 104	<b>Date:</b> 21/10/2022	
East		
<b>Description:</b> Zone E9 - View of field which forms part of the site.		



**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 105	<b>Date:</b> 21/10/2022	
South east		
<b>Description:</b> Zone E10 - View of field which forms part of the site.		


<b>Photo No.</b> 106	<b>Date:</b> 21/10/2022	
East		
<b>Description:</b> Zone E9 - View of field which forms part of the site.		


**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 107	<b>Date:</b> 21/10/2022	 A photograph showing a wooden frame structure made of four vertical posts and two horizontal beams, situated in a field of tall grass. The frame appears to be a simple rectangular structure, possibly used for agricultural or surveying purposes.
N/A		
<b>Description:</b> Zone E9 - Underground service noted.		

<b>Photo No.</b> 108	<b>Date:</b> 21/10/2022	 A photograph showing a wide view of a green field under a cloudy sky. A dirt path runs along the right side of the field, leading towards the horizon. The field appears to be a large, open area, possibly a pasture or a field used for agriculture.
South		
<b>Description:</b> Zone E9 - View of field which forms part of the site.		

**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 109	<b>Date:</b> 21/10/2022	
South west		
<b>Description:</b> Zone E9/E5 - View of field which forms part of the site. Pylons are visible running across the site.		

<b>Photo No.</b> 110	<b>Date:</b> 21/10/2022	
East		
<b>Description:</b> Zone E5/E6 - View of field which forms part of the site.		

**PHOTOGRAPHIC LOG**

**Photo no.**  
111

**Date:**  
21/10/2022

South

**Description:**  
Zone E5 - View of field which forms part of the site. Pylons visible running across the site.



**Photo No.**  
112


**Date:**  
21/10/2022

East

**Description:**  
Zone E5/E6 - View of field which forms part of the site.





**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 113	<b>Date:</b> 21/10/2022	
South west		
<b>Description:</b> Zone E1 - View of field which forms part of the site.		

<b>Photo No.</b> 114	<b>Date:</b> 21/10/2022	
South east		
<b>Description:</b> Zone E1/E2 - View of field which forms part of the site. The buildings in the distance do not form part of the site.		

**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 115	<b>Date:</b> 21/10/2022	
North west		
<b>Description:</b> Zone B13/B14 - View of field which forms part of the site. Pylons visible running through the site.		


<b>Photo No.</b> 116	<b>Date:</b> 21/10/2022	
South west		
<b>Description:</b> Zone B13/B14 - View of field which forms part of the site. Overhead services visible running through the site.		


**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 117	<b>Date:</b> 21/10/2022	
South		
<b>Description:</b> Zone B14 - View of field which forms part of the site. Pylons visible running through the site.		

<b>Photo No.</b> 118	<b>Date:</b> 21/10/2022	
South		
<b>Description:</b> Zone B14 - View of field which forms part of the site. Pylons visible running through the site.		

**PHOTOGRAPHIC LOG**

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

<b>Photo No.</b> 120	<b>Date:</b> 21/10/2022	
East		
<b>Description:</b> Zone B15 - View of field which forms part of the site.		





**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 121	<b>Date:</b> 21/10/2022	
West		
<b>Description:</b> Zone E2 - View of field which forms part of the site. Pylons visible running through the site.		


<b>Photo No.</b> 122	<b>Date:</b> 21/10/2022	
South east		
<b>Description:</b> Zone E2/E7/E3 - View of field which forms part of the site. Overhead services visible running through the site.		


**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 123	<b>Date:</b> 21/10/2022	
North east		
<b>Description:</b> Zone E7 - View of field which forms part of the site. Overhead services visible running through the site.		

<b>Photo No.</b> 124	<b>Date:</b> 21/10/2022	
South east		
<b>Description:</b> Zone E3 - View of field which forms part of the site.		


**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 125	<b>Date:</b> 21/10/2022	
North		
<b>Description:</b> Zone E7 - View of field which forms part of the site. Buildings in the distance do not form part of the site.		

<b>Photo No.</b> 126	<b>Date:</b> 21/10/2022	
North		
<b>Description:</b> Zone B13 - View of field which forms part of the site. Pylons visible running through the site.		


**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 127	<b>Date:</b> 21/10/2022	
North		
<b>Description:</b> Zone B13/A16 - View of field which forms part of the site. Pylons visible running through the site.		

<b>Photo No.</b> 128	<b>Date:</b> 21/10/2022	
West		
<b>Description:</b> Zone A16 - View of field which forms part of the site.		

**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 129	<b>Date:</b> 21/10/2022	
North east		
<b>Description:</b> Zone A16 - An area of hardstanding. Pylons visible running through the site.		


<b>Photo No.</b> 130	<b>Date:</b> 21/10/2022	
<b>Description:</b> Zone E1 - View of fields which form part of the site. Pylons visible running through the site.		

**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 131	<b>Date:</b> 21/10/2022	
<b>Description:</b> Zone E1 - Agricultural loading/storage area. Haybales visible.		

<b>Photo No.</b> 132	<b>Date:</b> 21/10/2022	
North		
<b>Description:</b> Zone E5/D8 - View of field which forms part of the site.		

**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 133	<b>Date:</b> 21/10/2022	
South		
<b>Description:</b> Zone D12 - View of field which forms part of the site. Pylons visible running across the site.		

<b>Photo No.</b> 134	<b>Date:</b> 21/10/2022	
North west		
<b>Description:</b> Zone D12 - View of field which forms part of the site. Pylons visible running across the site.		

**PHOTOGRAPHIC LOG**

<b>Photo no.</b> 135	<b>Date:</b> 21/10/2022
-------------------------	----------------------------

North east

**Description:**  
Zone D11 - Pylons visible running across the site.





## 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
Probability	Highly likely	Very high	High	Moderate	Moderate/low
	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



Suite 6, Delta House, Laser Quay,  
Culpeper Close, Rochester, ME2 4HU  
0207 117 2492  
www.brimstoneuxo.com

**Client:** RSK  
**Project:** Land at Ashby de la Launde and Scopwick, Lincolnshire  
**Date:** 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.

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	
<b>BRITISH / ALLIED MILITARY ACTIVITY</b>			
<b>Potential Source of UXO</b>	<b>Significant?</b>	<b>Details</b>	
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.	
Existing or historic military bases and other installations	✘/✓	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 munitions or explosives factories	✘	n/a	
Existing or historic military storage depots	✘/✓	None recorded on Site; however, given that RAF Digby was situated partially within and immediately to the west, the possibility that the Site was used for the storage of ordnance during WWII cannot be ruled out at this stage.	

Existing or historic military defensive fortifications	✓	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

##### 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 un conducive 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 loop-holed 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 <b>Stage 2 Detailed Risk Assessment</b> is recommended to assess the risk to the proposed works.
Development Works	



# Appendix 15.1

## Long List of other Developments



Other Development' Details					Stage 1 (Establish Long list)		Stage 2 (Identify Short-list)		
ID	Application Reference	Applicant for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within Zol?	Progress to stage 2?	Overlap in temporal scope?	Scale and nature of development likely to have a significant effect?
1	PL/0082/22	Applicant: Brauncewell Quarries Ltd Determining authority: Lincolnshire County Council For the installation and operation of filter press	Located within the Site Bounding Circle as outlined in <b>Figure 15.1</b>	Approved 22/09/22	1	Yes	No – due to the lack of data. No environment assessment technical reports prepared as part of the application.	N/A	N/A
2	PL/0028/22	Applicant: Len Kirk Plant Hire Ltd Determining authority: Lincolnshire County Council For the installation and operation of a wash plant in conjunction with the existing recycling facilities	Located within the Site Bounding Circle as outlined in <b>Figure 15.1</b>	Approved 13/05/22	1	Yes	No - due to the lack of data. No environmental assessment technical reports prepared as part of the application.	N/A	N/A
3	PL/0001/20	Applicant: Brauncewell Quarries Ltd Determining authority: Lincolnshire County Council For installation and use of aggregate washing plant and associated stockpiles and lagoon	Located within the Site Bounding Circle as outlined in <b>Figure 15.1</b>	Approved 20/03/22	1	Yes	No - due to the lack of data. In terms of environment assessment technical reports, only a Flood Risk and Sequential Test Report prepared as part of application.	N/A	N/A
4	20/0029/FUL	Applicant: JCO Developments Limited Determining authority: North Kesteven District Council Erection of 329 no. dwellings, formulation of new access points from Sleaford Road and Dunston Road, provision of new internal access roads, and, provision of new sustainable drainage infrastructure	0.37km NE	Approved 17/02/21	1	Yes	Yes - various environment assessment technical reports are available.	Yes - Operation proposed for 2026	The site is approximately 115ha and immediately adjacent to the existing settlement of Metheringham. The size and nature of the development may give rise to cumulative effects with the Proposed Development.
5	18/0437/FUL	Applicant: D.B.Lawrance and Associates Limited Determining authority: North Kesteven District Council Erection Of 6no Light Industrial Units (B1) Including Associated Parking, Access Road and change of use of site.	1.46km SE	Approved 17/08/18	1	Yes	No - due to the lack of data. No environment assessment technical reports prepared as part of the application.	N/A	N/A

Other Development' Details					Stage 1 (Establish Long list)		Stage 2 (Identify Short-list)		
ID	Application Reference	Applicant for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within Zol?	Progress to stage 2?	Overlap in temporal scope?	Scale and nature of development likely to have a significant effect?
6	EIA/37/22	<p>Applicant: Unknown</p> <p>Determining authority: Lincolnshire County Council</p> <p>Proposed construction of an Anaerobic Digestion Plant and associated infrastructure</p>	2km NE	Scoping Opinion 16/12/22	2	Yes	Yes – EIA required.	Documentation does not specify dates	The overall site is approximately 8ha. The size and nature of the development may give rise to cumulative effects with the Proposed Development.
7	23/0390/EIASCO	<p>Applicant: Pegasus Group</p> <p>Determining authority: North Kesteven District Council</p> <p>Navenby Heath battery storage project: Erection of 400MW Battery Storage Development incorporating 324no. Containerised Battery Storage Units, 54no. transformer/inverter blocks and 8 back up auxiliary transformers, 4no. storage containers for spare parts etc, substation comprising 4-6no. switchgear units, a control room and a HV compound with 2 Step-up Transformers, associated access tracks, inverter, switchgear substations, boundary treatments and CCTV</p>	2km NW	Scoping Opinion 14/09/23	2	Yes	Yes - EIA required.	Documentation does not specify dates	The overall site is approximately 11.8ha with the developable area approximately 5ha. The Scoping Report sought to scope out all environmental factors, apart from landscape and visual. However, North Kesteven District Council has requested that archaeology and cultural heritage, agricultural land, climate change, major accidents, and waste (hazardous waste disposal) be scoped in. The size and nature of the development may give rise to cumulative effects with the Proposed Development.
8	21/1609/FUL	<p>Applicant: Stonegate Farmers Ltd</p> <p>Determining authority: North Kesteven District Council</p> <p>Proposed erection of additional 8 no. poultry units with associated infrastructure</p>	3.21km SE	Approved 19/5/22	1	Yes	Yes – Environmental Statement prepared.	Documentation does not specify dates	The Site is located at an existing poultry rearing facility encompassing an area of approximately 3.9ha. 8 additional units of a similar scale and appearance to the existing units will be required. The size and nature of the development is not anticipated to give rise to cumulative effects with the Proposed Development.

Other Development' Details						Stage 1 (Establish Long list)		Stage 2 (Identify Short-list)	
ID	Application Reference	Applicant for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within Zol?	Progress to stage 2?	Overlap in temporal scope?	Scale and nature of development likely to have a significant effect?
9	19/0631/FUL	Applicant: RCS Commercial Properties Ltd  Determining authority: North Kesteven District Council  Erection of 17 commercial units (B2 Use)	6.06km NW	Approved 26/11/19	1	Yes	No - limited environment assessment technical reports prepared as part of the application (ground investigation reports only).	N/A	N/A
10	EN010151	Applicant: Beacon Fen Energy Park Limited  Determining authority: Secretary of State  A 400MW solar photovoltaic farm incorporating up to 600MVA Battery Energy Storage System and on-site substation and electrical connection, including solar PV panels up to 4.5m in height; single stacked BESS units up to 4.5m in height; security perimeter fencing; hedgerow improvements; ecological enhancements; above and/or below ground electrical cable connection at up to 400kV; associated development and ancillary works.	7.45km SE	Pre-application – expected to be submitted to PINS Q3 2024	2	Yes	Yes – EIA required.	Construction is anticipated to start in 2026 (subject to consent)	The site comprises two areas of land equating to approximately 1,036 ha, although not all of this area will be developed with above ground infrastructure. The size and nature of the development may give rise to cumulative effects with the Proposed Development.
11	17/1615/FUL	Applicant: JHG Planning Consultancy Ltd  Determining authority: North Kesteven District Council  Erection of 20no dwellings.	8.39km NW	Approved 27/11/18	1	Yes	Yes - various environment assessment technical reports prepared as part of the application.	Documentation does not specify dates	The application site occupies an area of approximately 0.98ha upon land situated within the established built environment. The size and nature of the development is not anticipated to give rise to cumulative effects with the Proposed Development.
12	EN010154	Applicant: Fosse Green Energy Limited  Determining authority: Secretary of State  The Scheme comprises the installation of solar photovoltaic panels, associated electrical equipment, cabling and on-site energy storage facilities together with grid	11.24km NW	Pre-application – Application is expected to be submitted to the Planning	2	No	Yes – EIA required	Construction anticipated to commence 2031. Operation anticipated to commence 2033.	The solar and energy storage park is approximately 1003ha. The size and nature of the development may give rise to cumulative effects with the Proposed Development.

Other Development' Details					Stage 1 (Establish Long list)		Stage 2 (Identify Short-list)		
ID	Application Reference	Applicant for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZOI?	Progress to stage 2?	Overlap in temporal scope?	Scale and nature of development likely to have a significant effect?
		connection infrastructure. At this early stage, the connection to the national grid is being explored. The generating capacity of the FGE Scheme will exceed 50MW. and its capacity is anticipated to be approximately 320MW.		Inspectorate in Q4 2024					
13	EN010123	<p>Applicant: Ecotricity (Heck Fen Solar) Limited</p> <p>Determining authority: Secretary of State</p> <p>The Proposed development will comprise the construction, operation and decommissioning of a solar photovoltaic electricity generating facility exceeding 50 MW. output capacity, together with associated energy storage. The installed capacity of the solar generation is expected to be in the order of 500MW.</p>	12.97km SE	Examination	1	No	Yes – Environmental Statement available	Construction will commence, at the earliest in the Spring 2025 for 30 months. Earliest operation Autumn 2027.	The site extends to approximately 644.5ha. The size and nature of the development may give rise to cumulative effects with the Proposed Development.



[springwellsolarfarm.co.uk](http://springwellsolarfarm.co.uk)