(6)

RECORD OF BOREHOLE NO.E6 (sheet 6)

TR23/4

305/73

Daily Progress	Core Recovery or Samples: Depth (metres)	Core Recovery or Samples: Percentage or Type	Change of Strata: Legend	Change of Strata: Depth (metres)	Change of Strata: N.G.F. Level	Description of Strata	
	114.30	100%				COMMERCIAL : IN CONFIDENCE	
7.8.65.	117.35	100%				Relatively hard, paler, streaky grey CHALK, in thick cycles separated by subordinate developments of dark marly chalk. Tops of hard beds noted at 112.12m., 113.98m., 115.72m., 117.25m. and (vague) 118.82m. Below 111.82m. no clear cycles visible and chalk predominantly hard and pale, but dark, marly, from 123.04m. to 123.48m. Smooth joints seen at: 114.88m., dip 15°; 120.09m. to 120.40m. dip 80°; 123.14m., dip 30°; otherwise no clear natural fractures and cores mainly intact in lengths to 0.56m.	LOWER CHALK GREY CHALK
	120.40	100%					
	123.44	100%		123.44	+30.04		
9.8.65.	126.94	100%				Relatively hard, pale grey streaky CHALK without marly cycles. Sponge bed at 124.92m. Joints noted as follows:- rough, dipping 40° at 123.94m., rough, dipping 15° at 124.02m., smooth, dipping 45° at 125.27m., smooth, dipping 45° at 127.18m., smooth, dipping 35° at 127.25m., smooth, dip horizontal at 127.86m., rough, dip irregular about 45° at 128.02m. Cores intact in lengths to 0.51m.	
10.8.65.	129.39	100%		129.39	+24.89		

Key

R indicates uncored rotary drilling.

D indicates disturbed sample

■ indicates waxed core sample.

Scale 1cm = 1 metre

Remarks :

LAND BOREHOLES

IN ENGLAND FOR THE PROPOSED CHANNEL TUNNEL

Soils No : S/4289

FIG. 6 (contd.)

GEORGE WIMPEY & CO., LTD. CENTRAL LABORATORY HAYES.

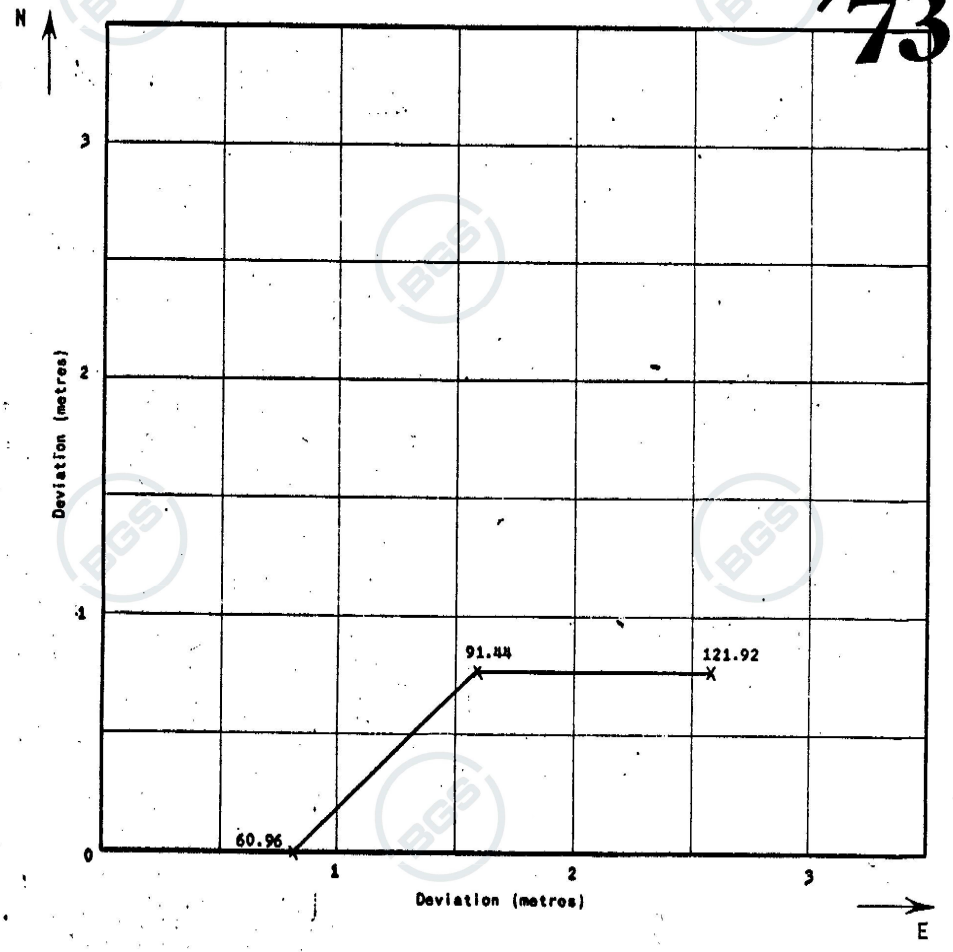
(7)

RECORD OF BOREHOLE NO.E6 Sheet No. 7

RAPPORT - SONDAGE NO. E6 Feuille No. 7

COMMERCIAL : IN CONFIDENCE

305/TR23/4
73



PLAN OF BOREHOLE DEVIATION

PROJECTION HORIZONTALE DE LA DEVIATION DU SONDAGE

NOTES: 1. Origin corresponds to ground level location.

L'origine correspond a l'emplacement du sondage au niveau de la terre.

2. $\overset{12}{\times}$ indicates point of measurement and depth below ground level in metres.

$\overset{12}{\times}$ indique le niveau de la mesure et la profondeur par rapport au niveau de la terre en metres.

CHANNEL TUNNEL STUDY GROUP GROUPEMENT D'ETUDE DU TUNNEL SOUS LA MANCHE	
LAND BOREHOLES IN ENGLAND FOR THE PROPOSED CHANNEL TUNNEL FORAGES A TERRE COTE ANGLAIS POUR L'IMPLANTATION D'UN TUNNEL SOUS LA MANCHE	Soils No.: Sol No.: S/4289 FIG. 6 (contd.)

GEORGE WIMPEY & CO. LTD., CENTRAL LABORATORY, HAYES.

IN CONFIDENCE

WATER RESOURCES BOARD
WELL RECORD SHEET 1

W.R.B. REF. No. TR 23/4
R.A. LICENCE No.

1. WELL IDENTITY

NATIONAL GRID REFERENCE ~~624560/138910~~ TR 2452 3892

Well at Channel Tunnel E:6 I.G.S. REF. No. 305/73

RIVER AUTHORITY

Town Dover HYDROMETRIC AREA

County Kent SUB-CATCHMENT

Owner of well

Well made by Date of sinking

Information from I.G.S. Date received 3.3.67

2. WELL DESCRIPTION

Level of ground surface ..... m. If well top is not at above* ..... m.

above sea level (O.D.) 506.78 ft. ground level how far below ..... ft.

Shaft ..... m. 424½ ft. deep; Diameter at top ..... m. ..... ft.; at bottom ..... m. ..... ft.

Bore ..... m. ..... ft. deep; Diameter at top ..... m. ..... ft.; at bottom ..... m. ..... ft.

Details of headings

DETAILS OF PERMANENT LINING TUBES

Length ..... m. 31' ft.; Diam. ..... m. 10" Tn.; Plain ..... m. ..... ft.; Slotted ..... m. ..... ft.; Top ..... m. At ft. ~~above~~ below* surface

Length ..... m. 110 ft.; Diam. ..... m. 6" Tn.; Plain ..... m. ..... ft.; Slotted ..... m. ..... ft.; Top ..... m. At ft. ~~above~~ below* surface

Length ..... m. ..... ft.; Diam. ..... m. ..... ft.; Plain ..... m. ..... ft.; Slotted ..... m. ..... ft.; Top ..... m. ..... ft. ~~above~~ below* surface

Details of well screen

DETAILS OF REST WATER LEVELS DURING CONSTRUCTION

Water struck at depths of ..... below well top

Rest level of water ..... m. ..... ft. ~~above~~* ~~below~~* ~~O.D.~~* well top when bore ..... m. ..... ft. deep. Date

Rest level of water ..... m. ..... ft. ~~above~~* ~~below~~* ~~O.D.~~* well top when bore ..... m. ..... ft. deep. Date

Rest level of water on completion of bore ..... m. ..... ft. ~~above~~* ~~below~~* ~~O.D.~~* well top when bore ..... m. ..... ft. deep. Date

Method of drilling

Brief details of well development e.g. acid treatment etc.

* delete as applicable

(46452-1) 1

IN CONFIDENCE

DETAILS OF PUMPING TEST

Water level depressed from ..... m. / ..... ft. above* / below well top to ..... m. / ..... ft. below well top, pumping at ..... $m^3/s.$ / ..... galls/hr.

Water level depressed from ..... m. / ..... ft. above* / below well top to ..... m. / ..... ft. below well top, pumping at ..... $m^3/s.$ / ..... galls/hr.

Water level depressed from ..... m. / ..... ft. above* / below well top to ..... m. / ..... ft. below well top, pumping at ..... $m^3/s.$ / ..... galls/hr.

Suction at ..... ft. below well top. Capacity of pump ..... . Test from ..../..../19.... to ..../..../19 ....

DETAILS OF PERMANENT PUMPING EQUIPMENT

Make and/or type ..... Motive Power .....

Capacity ..... galls/hr. Suction at ..... m. / ..... ft. below well top.

Amount pumped ..... m^3/day* / galls/day. Pumping for ..... hrs./day.

Estimated consumption ..... $m^3/week$* / galls/week ..... $m^3/year$* / galls/year

3. WELL DATA

WELL USE. Abstraction ☐, Recharge ☐, Observation ☐, Disused ☐, Filled-in ☐

WATER USE. Public Supply ☐, Industrial ☐, Irrigation ☐, Agriculture ☐ Domestic ☐, Unused ☐, Misc. ☐

WATER LEVEL OBSERVATIONS

	Rest Water Level	Pumping Water Level	Depression	Rate of Pumping	Date
(1)	..... m. / ..... ft. O.D.	..... m. / ..... ft. O.D.	..... m. / ..... ft.	..... $m^3/s.$ / ..... galls/hr.	
(2)	..... m. / ..... ft. O.D.	..... m. / ..... ft. O.D.	..... m. / ..... ft.	..... $m^3/s.$ / ..... galls/hr.	
(3)	..... m. / ..... ft. O.D.	..... m. / ..... ft. O.D.	..... m. / ..... ft.	..... $m^3/s.$ / ..... galls/hr.	
(4)	..... m. / ..... ft. O.D.	..... m. / ..... ft. O.D.	..... m. / ..... ft.	..... $m^3/s.$ / ..... galls/hr.	

GEOPHYSICAL DATA AVAILABLE

Resistivity ☐ Conductivity ☐ Temperature ☐ Any other logs .....

PARTIAL ANALYSIS DETAILS in milligrams per litre

Date	TDS	Tot H	Carb H	Non-Carb H	Alk	SO4	Cl	E.C.

Site marked on: 1 inch (print) ..... , 1 inch (master) ..... , 2½ inch ..... (use symbol and give data)

DR DLn 46452/1(2)/360 2,500 11/66 TXL

IN CONFIDENCE

WATER RESOURCES BOARD

WELL RECORD

SHEET 2

W.R.B. REF No. TR 23/4

R.A. LICENCE No.

4. HYDROGEOLOGY

Topography AT WELL SITE

Local depression ☐, Flat surface ☐, Hill top ☐, Hillside ☐, Valley bottom ☐, Terrace ☐

MAJOR AQUIFER ..... Lithology .....

Depth to top of aquifer ..... m. ..... ft. Thickness penetrated ..... m. ..... ft.

Top of aquifer ..... m. ..... ft. AOD* / BOD Total thickness of aquifer ..... m. ..... ft.

Coefficient of storage ..... Transmissibility ..... m²/day* / gals/day/ft.

MINOR AQUIFER (a) ..... Lithology .....

Depth to top of aquifer ..... m. ..... ft. Thickness penetrated ..... m. ..... ft.

Top of aquifer ..... m. ..... ft. AOD* / BOD Total thickness of aquifer ..... m. ..... ft.

Coefficient of storage ..... Transmissibility ..... m²/day* / gals/day/ft.

MINOR AQUIFER (b) ..... Lithology .....

Depth to top of aquifer ..... m. ..... ft. Thickness penetrated ..... m. ..... ft.

Top of aquifer ..... m. ..... ft. AOD* / BOD Total thickness of aquifer ..... m. ..... ft.

ADDITIONAL NOTES:

WB/ST/65/3

* delete as applicable

(46452-2)1

IN CONFIDENCE