

54G

SK 47 S.E. / 70

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MARKHAM COLLIERY

Borehole 7 for proposed
surface drift (1985)

E 445236.7		DATE March 1985	
A 372023.7		STARTING LEVEL + 68.68m O.D.	
SEAMS * ANALYSED	DEPTH (METRES)	LOG	SEAM SECTIONS & DEPTHS
			Seam thicknesses in centimetres.
			DIP DEV OIL GAS WATER
			GEOLOGICAL LOG
			CORING
			CASING LEFT IN HOLE
AL ASURES	10 20 30 40 50 60 70 80		made ground alluvium weathered c+d 15 at 24.45 base of hole at 30.40m



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Section of: MARKHAM COLLIERY NO. 7 Borehole
for proposed surface drift

Purpose: Site investigation

(Nat. Grid, Sheet & Qtr.) B/H REG. NO.

Exact Site: E.445236.7
N.372023.7

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Level at which bore commenced relative to
O.D. +68.68 m.

Date of drilling: 19.3.85 to 22.3.85

Driller: Soil Mechanics Ltd.

Samples and cores described by D. Norbury, Soil Mechanics Geologist

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS		DEPTH	
		m	cm	m	cm
	<u>See also the geotechnical log by Soil Mechanics Ltd.</u>				
	<u>Open hole to 19.70 m</u>				
				0	00
<u>MADE GROUND</u>	Colliery fill	6	80	6	80
<u>ALLUVIUM</u>	Clay, firm, green-grey, occasional rootlets	0	40	7	20
	Clay, stiff, orange/brown/grey mottled; occasional rootlets	1	50	8	70
	Clay, stiff, green-grey; occasional rootlets	0	90	9	60
	Clay, with assorted gravel fragments	0	60	10	20

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COAL MEASURES

Clay	laminated, dark grey, weathered	1	30	11	50
Mudstone	laminated; weak and weathered	8	20	19	70
<u>Cores from 19.70 m:</u>					
Mudstone	weathered	2	40	22	10
Siltstone	laminated, weathered	1	35	23	45
Mudstone	laminated, grey, weathered	0	60	24	05
Mudstone	carbonaceous	0	25	24	30
<u>COAL</u>	bright, with mudstone laminae	0	15	24	45
Seatearth:					
Mudstone	dark grey, laminated, weathered	0	55	25	00
Siltstone	light grey, laminated, weathered, abundant plant remains	2	15	27	15
Siltstone	dark and light grey, laminated. weathered	1	65	28	80
Siltstone	with occasional sandstone laminae	1	60+	30	40

Base of hole at 30.40 m

Photographs of the cores are available in the
report by Soil Mechanics Ltd. on the
proposed Markham Colliery surface drift, 1985.

JR/0111r/PH