

041

33 47 SE / 76

042

MARKHAM-COLLIERY

Borehole No.13 B for proposed
surface drift (1985).

2. 445209-2

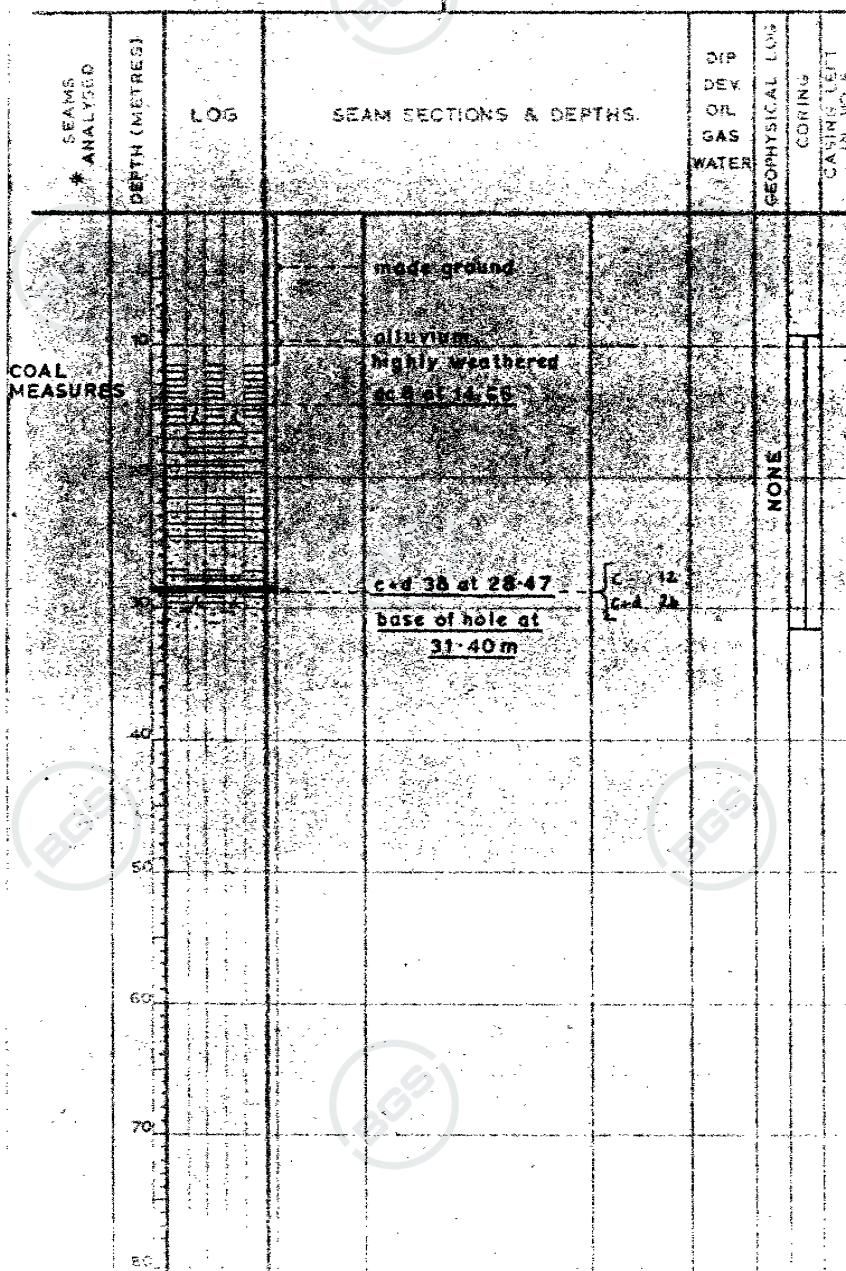
iv.

DATE: April 1985

N. 372162-5



STARTING LEVEL: 66.87 m O.D.





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Section of: MARKHAM COLLIERY, Borehole No. 13B
for proposed surface drift (1985)
See note below regarding holes 13
and 13A.

Purpose: Site investigation

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

Exact Site: E.445 209.2
N.372 162.5

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54 N

(Boreholes 13 and 13A were
2m N.W., and 1.2m N of hole
13B respectively, both were
abandoned at about 7m depth)

Level at which bore commenced relative to
O.D. +66.87m.

Date of drilling: 18.4.85 to 22.4.85

Driller: Soil Mechanics Ltd.,
Core examination by D.J. Green,
N.C.B. geologist

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS m cm	DEPTH m cm
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See also the geological log by
Soil Mechanics Ltd.

Open hole to 9.00m

MADE GROUND
(approx boundary)

colliery spoil

8 20

0 00

8 20

ALLUVIUM

clay, stiff, green-grey; rare
angular sandstone clasts

0 80

9 00

Cores from 9.00m:-

clay, stiff, green-grey; rare
sandstone gravel

0 80

9 80

clay, brown mottled grey black,
and cream

0 30

10 10

clay, brown and green-grey mottled,
a little fine gravel; rootlets

0 70

10 80

clay, gravelly and sandy, grey and
brown mottled, rare cobbles

0 70

11 50

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GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS		DEPTH	
		m	cm	m	cm
<u>COAL MEASURES</u>					
Clay	Stiff, dark grey, laminated, completely weathered	0	25	11	75
Mudstone	dark, locally slightly carbonaceous; laminated; highly weathered attached	2	83	14	58
<u>COAL and DIRT</u>	coal, dirty 0.08 mudstone dark, coal laminae 0.24 0.32	0	32	14	90
Seatearth: Mudstone	pale grey, unlaminated; highly weathered	1	09	15	99
Siltstone	fine, pale grey; unlaminated	0	16	16	15
Siltstone	fine, locally muddy; pale grey	1	50	17	65
Siltstone	fine to medium; occasional 45° hade unmineralised joints	1	47	19	12
Sandstone	fine to medium	0	12	19	24
Siltstone	fine to medium with occasional sandstone fine laminae and layers	1	23	20	47
Sandstone	fine to medium	0	73	21	20
Siltstone	fine to medium with occasional sandstone fine laminae and thin layers	2	60	23	80
Siltstone	fine with occasional sandstone fine laminae and lenses (80:20)	1	50	25	30
Siltstone	fine, laminated	0	12	25	42
Sandstone	fine to medium with occasional siltstone fine layers; common and locally abundant carbonaceous planes	1	46	26	88
Mudstone	Silty, laminated; common iron- stone nodules attached	1	21	28	09



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GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS		DEPTH	
		m	cm	m	cm
COAL	Coal, bright 1 (cylinder)				
	Coal, mainly bright 11 (broken cyls)				
	Coal and dirt 26 (broken cyls)				
		0	38		
	attached			28	47
Seatearth: Mudstone	silty; grey	0	86		
				29	33
Siltstone	fine to medium, unlaminated; common roots including <i>Stigmaria</i>	0	27		
				29	60
Sandstone	fine with common siltstone fine laminae and layers (60:40); common roots	0	25		
				29	85
Sandstone	fine with common siltstone fine laminae and layers (60:40)	0	55		
				30	40
Sandstone	fine to medium with occasional siltstone fine laminae (90:10); common micaceous carbonaceous planes	1	00+		
				31	40
	<u>Base of hole at 31.40m</u>				

JR/1167R/05/KK