BGS ID: 728409 : BGS Reference: SK47SE76
British National Grid (27700) : 445209,372162

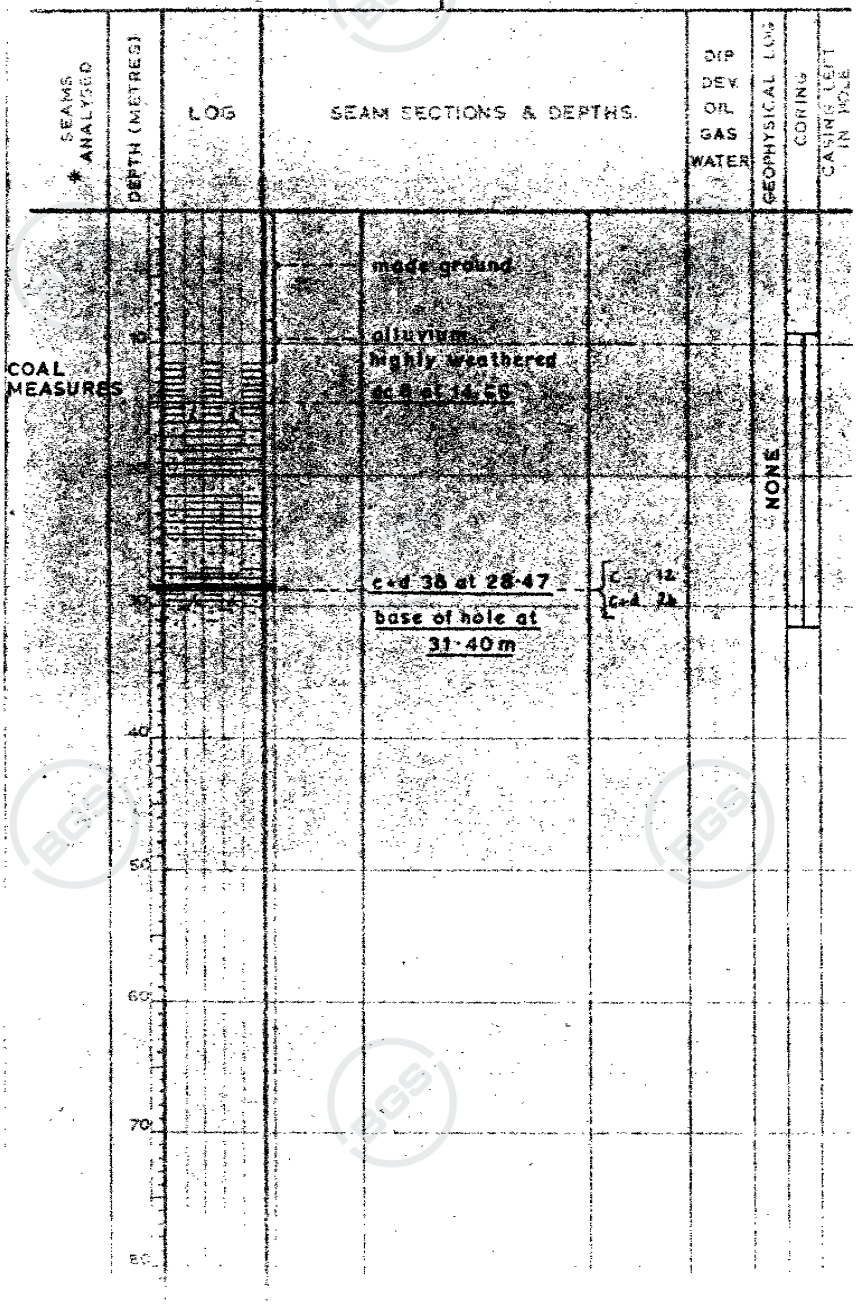
54 N SK 47 S.E. /76 54 N

MARKHAM COLLIERY

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

E. 445209·2 M.
N. 372162·5 M.

DATE. April 1985
STARTING LEVEL. + 66·87m 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.
SK 47 SE	54 N

Exact Site: E.445 209.2
N.372 162.5
(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	THICKNESS cm	DEPTH m	DEPTH cm
	See also the geological log by Soil Mechanics Ltd.				
	Open hole to 9.00m			0	00
MADE GROUND (approx boundary)	colliery spoil	8	20	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 m	THICKNESS cm	DEPTH m	DEPTH cm
COAL MEASURES					
Clay	Stiff, dark grey, laminated, completely weathered	0	25	11	75
Mudstone	dark, locally slightly carbonaceous; laminated; highly weathered	2	83	14	58
	attached				
COAL and DIRT	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	1	21	28	09
	attached				

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GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS m	THICKNESS cm	DEPTH m	DEPTH 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 Stigmaria	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
	Base of hole at 31.40m				

JR/1167R/05/KK