BGS ID: 767552 : BGS Reference: SK47SW61
British National Grid (27700) : 444899,371948

SK 47 SW 60-61

65 | SK 47 SW | 65

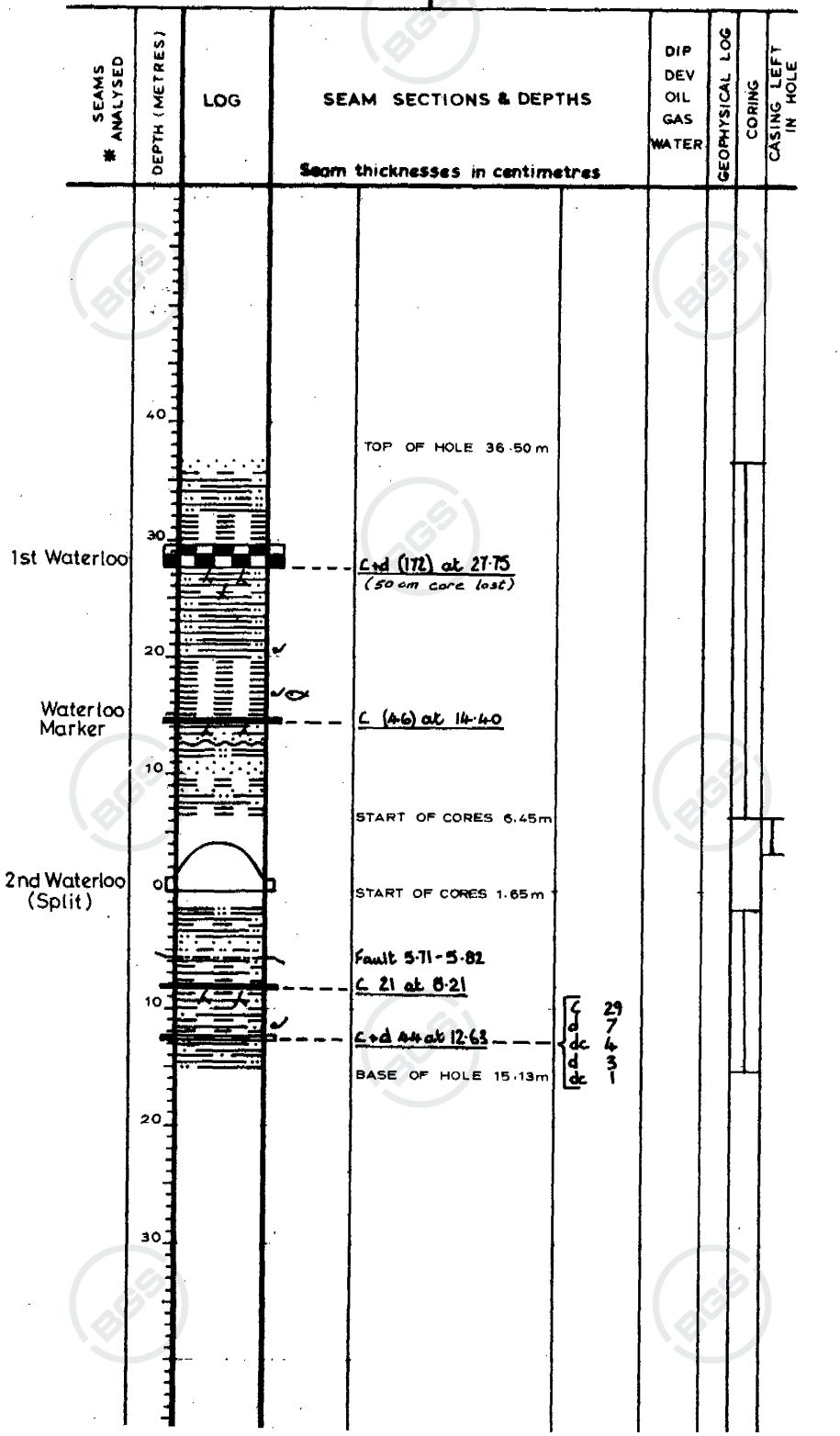
MARKHAM COLLIERY

No 23 Underground Upbore & Downbore

60 61

E 444 916
N 371 938

DATE JULY - AUGUST 1986
STARTING LEVEL - 297.3 m



SK 47 SW 61

Section of: MARKHAM COLLIERY NO. 23 (DOWNBORE)
(2ND WATERLOO L30'S INSET)

Purpose: Geotechnical

(Nat. Grid, Sheet & Qtr.)	B/H REG. NO.
SK.47.SW	65

Exact Site: E444916
N371938

Level at which bore commenced relative to O.D. -297.3 m.

Date of Boring: July 1986

Borer: Area Boring Team
Logged by D. J. Green, B.C. Geologist

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS m	THICKNESS cm	DEPTH m	DEPTH cm
	(Zero at roadway floor level, approximately 2.9 m below the base of the Upper Leaf)				
	START OF CORING			1	65
Siltstone	medium, occasional sandstone laminae 80:20; moderately strong	0	65	2	30
Siltstone	fine, laminated, occasional thin ironstone bands; moderately weak	0	45	2	75
Mudstone	laminated; slightly carbonaceous; weak	0	40	3	15
Siltstone	fine to medium, laminated; moderately strong	0	10	3	25
Sandstone	fine, rare siltstone fine laminae; occasional micaceous carbonaceous planes; strong	0	09	3	34
Siltstone	fine with occasional sandstone fine laminae 80:20; occasional micaceous planes; moderately strong	1	10	4	44
Sandstone	fine to medium; common micaceous carbonaceous planes; ripple bedded; strong	0	49	4	93
Siltstone	and sandstone irregularly interbanded and interlaminated; large scale load and pouch structures; very strong	0	35	5	28
Siltstone	fine, laminated, occasional sandstone fine lenses 90:10; moderately strong	0	43	5	71

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GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS m	THICKNESS cm	DEPTH m	DEPTH cm
	brought forward			5	71
FAULT	approximately 35° hade, with weak mudstone gouge 6 cm thick	(0	11)		
				5	82
Siltstone	fine to medium, laminated, occasional diffuse ironstone nodules, moderately strong	0	65		
				6	47
Mudstone	silty, laminated; occasional plant remains; moderately weak	0	96		
				7	43
Mudstone	laminated; occasional thin ironstone bands; becoming carbonaceous towards the base; occasional non-marine lamellibranchs towards the base; moderately weak to weak	0	45		
				7	88
Mudstone	highly carbonaceous, shaly; shelly ironstone 7.92 to 7.95; locally common non-marine lamellibranchs including Naiadites; pyritic plant remains; weak	0	12		
				8	00
	attached				
Coal	mainly bright (small cylinders)				
	attached	0	21		
				8	21
SEATEARTH					
Mudstone	silty, dark grey, unlaminated; common irregular polished surfaces; common roots; moderately weak	1	29		
	passage			9	50
Mudstone	silty, laminated; occasional ironstone bands; occasional roots, absent below 10.00; common worm tracks and burrows; occasional non-marine lamellibranchs below 11.00; weak	2	34		
				11	84
Mudstone	carbonaceous, laminated, common non-marine lamellibranchs; weak	0	16		
				12	00
Mudstone	silty, laminated; occasional ironstone nodules; weak	0	19		
				12	19
	detached				

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GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS m	THICKNESS cm	DEPTH m	DEPTH cm
	brought forward			12	19
Coal	Coal bright 29 cylinders Mudstone S.E. 7 cylinder Dirty coal 4 cylinder Mudstone S.E. 3 cylinder Very dirty coal 1 cylinder	0	44		
	detached			12	63
SEATEARTH					
Mudstone	dark grey, unlaminated, common roots, weak	0	03		
				12	66
Siltstone	fine to medium, diffuse sandstone fine laminae, occasional roots; strong	0	29		
				12	95
Siltstone	fine to medium, poorly laminated; occasional ironstone nodules; common roots; moderately strong	0	80		
				13	75
Mudstone	with common coal laminae; weak	0	11		
				13	86
Siltstone	medium, laminated; common roots; moderately strong	0	41		
				14	27
Mudstone	with common coal laminae; weak	0	10		
				14	37
Siltstone	fine to medium with common sandstone fine lenses 60:40; common roots; moderately strong to strong	0	38		
				14	75
Sandstone	fine with common siltstone fine laminae 80:20; occasional micaceous carbonaceous planes; common roots; strong	0	23		
				14	98
Siltstone	fine to medium with common sandstone fine laminae and lenses 70:30 locally 80:20; common roots; moderately strong	0	17+		
				15	15

BASE OF HOLE AT 15.15 M

GEOLOGY BRANCH
4TH AUGUST 1986

TS/LS/