

# DRILLING RECORD

SCHEME - MERSEY-FORTH-WILMOT INVESTIGATION		POSITION	CO-ORDINATES	E	N	HOLE No. <b>5801</b>
LOCATION - <i>Lorinna Saddle</i>			ON LINE <i>W554 F107</i>	BEARING <i>0° 00'</i>	AT CH.	
POSITION PLOTTED ON DRAWING No. <i>A 7858</i>		LEVEL	FROM STN. <i>Wx5x</i>	BEARING <i>332° 09'</i>	DIST. <i>52'</i>	
DATES: (a) DRILLED <i>May '60</i> (b) WATER TABLE			SURFACE	FORMATION	WATER TABLE	
METHOD USED: <i>D.D.</i> DIAMETER <i>NX, BX, AX</i>		INCL	<i>828.</i>			SHEET 1 OF 3 SHEETS
SITE REMARKS: <i>A+ BM 3126.</i>			HOLE DRILLED	DEPRESSION ANG.	INCL BEARING	
			VERT/HOR INC			

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
	0		0.2 0.4 0.6 0.8 1.0				
	5						0-10' Reddish-brown clay
	10						
	15						10' - 18' Yellowish-brown clay with iron concretions.
	20						
	25						18'-20' Black clay
	30						20'-20'10" Yellowish-brown clay; 30° banding.
	35						20'10" - 36'5" Black clay.
	40						36'5" - 45'6" Yellowish-brown clay; some slickensiding.
	45						45'6" - 53' Compact fawn-grey limestone
	50						
	55						
	60						
	65						53' - 141' Compact, fine-grained, dark grey limestone with numerous bands of black calcareous siltstone; wavy bedding - average dip 30°.
	70						
	75						
	80						
	85						
	90						
	95						
	100						

18' BX casing

51' AX casing

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SCHEME - MERSEY-FORTH WILMOT INVESTIGATION		POSITION	CO-ORDINATES. E.	N.	HOLE No <b>5801</b>
LOCATION - <i>Lorinna Saddle</i>			ON LINE	BEARING	
POSITION PLOTTED ON DRAWING No. <i>A 7858</i>		LEVEL	FROM STN.	BEARING	DIST.
DATES: (a) DRILLED <i>May '60</i> (b) WATER TABLE			SURFACE	FORMATION	WATER TABLE
METHOD USED: <i>DD</i> DIAMETER <i>NX, BX, AKT</i>		INCL	HOLE DRILLED	DEPRESSION ANG.	INCL BEARING
SITE REMARKS <i>At BM 3126.</i>			VERT/HOR/INC		

SHEET  
**2**  
OF  
**3**  
SHEETS

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY 0.2 0.4 0.6 0.8 1.0	GRAPHIC LOG	JOINTS	WATER	REMARKS
100	0						
	5						
	110						<i>102' 6" cavity.</i>
	15						
	120					W.T 117-138 Leakage Rate 4.4 gpm at 0.16 sq"	
	25						
	130						
	35						
	140					W.T 138-160 Leakage Rate 4.2 gpm at 0.16 sq"	
	45						
	150						<i>141-161 Compact, finely granular, dark grey limestone with a few black siltstone bands; wavy bedding. - average dip 30°.</i>
	55						
	160					W.T 160-183 Leakage Rate 4.4 gpm at 0.16 sq"	
	65						<i>167' 6" cavity.</i>
	170						<i>168k 6" Fawn-grey limestone.</i>
	75						
	180						<i>161-216' Compact, fine-grained, dark grey limestone with numerous black calcareous siltstone bands (to 1/2") and a few calcite veins; wavy bedding - average dip 30°.</i>
	85					W.T 183-203 Leakage Rate 4.4 gpm at 0.16 sq"	
	190						<i>185' 1' porous band - white limestone with numerous small solution cavities.</i>
	95						
	200						

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POSITION PLOTTED ON DRAWING No. <i>A 7858</i>		LEVEL	FROM STN.	BEARING	DIST.	FILE No.
DATES: (a) DRILLED: <i>May '60</i> (b) WATER TABLE			SURFACE	FORMATION	WATER TABLE	
METHOD USED <i>DD</i> DIAMETER <i>NX, BX, AXT</i>		INCL	HOLE DRILLED	DEPRESSION ANG.	INCL BEARING	SHEET <b>3</b> OF <b>3</b> SHEETS
SITE REMARKS: <i>A+ BM 3126</i>			VERT. CORING			

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
	200'						
	5'					WT 207-225 Leakage Rate 1.2 g pm at 0 lb sq"	
	210'						<i>213' Dip 30°</i>
	15'						
	220'						
	25'					WT 225 -245 Leakage Rate 2.2 g pm at 80 lb sq"	<i>225' Dip 30°</i>
	230'						
	35'						
	240'						
	45'						<i>236'-249' Compact, dark grey, massive limestone.</i>
	250'					WT 245 -265 Leakage Rate 2.4 g pm at 90 lb sq"	<i>248' 1" Calcite vein.</i>
	55'						
	260'						
	65'						
	270'					WT 265 -297 Leakage Rate 1.4 g pm at 200 lb sq"	<i>249'-297' Compact, dark grey limestone; wavy bedding; numerous black calcareous silt bands; few fossil outlines; some slickensiding; core in length to 1'.</i>
	75'						
	280'						
	85'						
	290'						<i>Hole Completed 297'8"</i>
	95'						<i>Logged by: S.J. Paterson 1.7.60.</i>
	300'						

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METHOD USED <i>DD</i> DIAMETER <i>NX, BX, AXT</i>						
SITE REMARKS: <i>A+ BM 3126</i>		INCL	HOLE DRILLED	DEPRESSION ANG.	INCL BEARING	
			VERT. HORING			

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
	200						
	5					WT 203-225 Leakage Rate 4.2 g pm at 0 lb sq"	
	210						<i>213' Dip 30°</i>
	15						
	220						
	25					W.T 225 -245 Leakage Rate 2.2 g pm at 80 lb sq"	<i>225' Dip 30°</i>
	230						
	35						
	240						<i>236'-249' Compact, dark grey, massive limestone.</i>
	45					WT 245 -265 Leakage Rate 2.4 g pm at 90 lb sq"	<i>248' 1" Calcite vein.</i>
	250						
	55						
	260						
	65					WT 265 -297 Leakage Rate 1.4 g pm at 200 lb sq"	<i>249'-297' 8" Compact, dark grey limestone; wavy bedding; numerous black calcareous silt bands; few fossil outlines; some slickensiding; core in length to 1.</i>
	270						
	75						
	280						
	85						
	290						<i>Hole Completed 297' 8"</i>
	95						<i>Logged by: S.J. Paterson 1.7.60.</i>
	300						