DRILLING RECORD

SCHEME:- Mersey-Forth-Wilmot Investigation.
LOCATION:- Wilmot Tunnel Line.
POSITION PLOTTED ON DRAWING No. 54-AC6891
DATES: (a) DRILLED Aug. 62. (b) WATER TABLE
METHOD USED: D.D. DIAMETER NMLC, BMLC.
SITE REMARKS: Alluvial flat near creek bed.

POSITION: CO-ORDINATES E N
ON LINE STN. 15. STN. 14. BEARING 0°00' AT CH
FROM STN. 15 BEARING 187°00' DIST 362'

LEVEL: SURFACE FORMATION WATER TABLE
1708.

INCL: HOLE DRILLED DEPRESSION ANG. INCL BEARING
VERT ~~HOR~~ INC.

HOLE No. 4559
FILE No.
SHEET 1 OF 3 SHEETS

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY 0.2 0.6 0.8 1.0	GRAPHIC LOG	JOINTS	WATER	REMARKS
	0'			CAVED.	30' NX CASING		0'-20' Alluvial sand and clay with gravel.
	5'						
	10'						
	15'						
	20'						20'-98' Yellowish-brown to grey weathered to partially weathered vesicular volcanic (basaltic) breccia and agglomerate; boulders to 2' diameter; moderately jointed; core in lengths to 2'.
	25'						
	30'						
	35'						
	40'						
	45'						
	50'				160' BX CASING.		
	55'						
	60'						
	65'						
	70'						
	75'						
	80'						
	85'					LOST	
	90'						
	95'						
	98'						

DRILLING RECORD

SCHEME:- Mersey - Forth - Wilmot Investigation
LOCATION:- Wilmot Tunnel Line.
POSITION PLOTTED ON DRAWING No.:
DATES: (a) DRILLED Aug. 62. (b) WATER TABLE:
METHOD USED: D.D. DIAMETER NMLC, BMLC.
SITE REMARKS: Alluvial flat near creek bed.

POSITION — CO-ORDINATES: E: N:
ON LINE STN. 15 STN. 14 BEARING 0°00' AT CH:
FROM STN. 15 BEARING 187°00' DIST. 362'.
LEVEL — SURFACE: 1708 FORMATION: WATER TABLE:
INCL — HOLE DRILLED: DEPRESSION ANG.: INCL. BEARING:
VERT/~~HORIZ~~

HOLE No. 4559
FILE No.
SHEET 2 OF 2 SHEETS

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	Water Pressure Tests	REMARKS
	100'							
	105'							
	110'							
	115'				160' BX Casing			
	120'							
	125'							
	130'							
	135'							
	140'							
	145'							
	150'						138' 6"-156'	Medium grey, medium hard to soft partially weathered medium-grained sandstone with thin argillite band; closely jointed; dip 30° to no°; rock disturbed; core in broken pieces and lengths to 6".
	155'							
	160'						162'-172' Leakage 2·2 gals/min. at 160 lbs/sq. in.	
	165'							
	170'				20° Cleavage		172'-182' Leakage 2·4 gals/min. at 170 lbs/sq. in.	156'-190' Interbedded light, medium and dark grey, closely jointed, medium hard to hard argillite fine to medium grained sandstone, and quartzite; dip 30°; joints tight; core in lengths to 8"
	175'							
	180'					MADE	182'-193' Leakage 2·8 gals/min. at 175 lbs/sq. in.	
	185'							
	190'						193'-203' Leakage 4·4 gals/min. at 180 lbs/sq. in.	
	195'							
	200'							

DRILLING RECORD

SCHEME:- Mersey-Forth-Wilmot Investigation

LOCATION:- Wilmot Tunnel Line.

POSITION PLOTTED ON DRAWING No.

DATES: (a) DRILLED Aug. 62. (b) WATER TABLE

METHOD USED: D.D. DIAMETER NMLC, BMLC.

SITE REMARKS:

POSITION				
	CO-ORDINATES:	E:	N:	HOLE No. 4559
	ON LINE: STN. 15 STN. 14	BEARING: 0°00'	AT CH:	
	FROM STN. 15	BEARING: 187°00'	DIST: 362'	FILE No.
LEVEL	SURFACE:	FORMATION:	WATER TABLE:	
	1708			
INCL	HOLE DRILLED	DEPRESSION ANG.:	INCL. BEARING:	SHEET 3 OF 3 SHEETS
	VERT ~~HORIZ~~			

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY 62 66 80	GRAPHIC LOG	JOINTS	WATER	REMARKS
	200'						
	205'						203'-213' Leakage 3.6 gals/min. at 180 lbs/sq. in.
	210'					MADE	
	215'						213'-225' Leakage 3.0 gals/min. at 180 lbs/sq. in.
	220'						
	225'						225'-237' Leakage 2.2 gals/min. at 180 lbs/sq. in.
	230'						190'-252' Interbedded, fresh, light, medium and dark grey, moderately jointed, medium hard to hard, fine to medium grained sandstone, argillite, and quartzite; dip 20°; joints tight with thin calcite veins; core in lengths to 18".
	235'						237'-252' Leakage 1.8 gals/min. at 190 lbs/sq. in.
	240'						
	245'						
	250'				½" Quartz vein		
	255'						
	60'						
	65'						Hole Completed 252'
	70'						Logged by. S. J. Paterson 8.11.62.
	75'						
	80'						
	85'						
	90'						
	95'						
	00'						