

TARWIN MEADOWS WELL No.1. COMPOSITE LOGS. Sheet 1 of 4

BIT TYPE AND REMARKS	DRILLING RATE min/Ft	DEVIATION	CASING AND PLUGS	CORE RECOVERY AND DIPS	FORMATION TESTS	GAS DETECTOR	HYDROCARBONS AND LOST CIRC	DEPTH FEET	POROSITY PERCENT & TYPE	LITHOLOGY % of cuttings	GRAIN SIZE Predominant X Finer	LITHOLOGIC DESCRIPTION	INTERPRETED LITHOLOGY	SPONTANEOUS POTENTIAL millivolts	RESISTIVITY ohms - m <sup>2</sup> /m		MICROCALIPER Hole diameter in inches	RESISTIVITY ohms - m <sup>2</sup> /m	
															AM <sub>1</sub> = 16"	AM <sub>2</sub> = 64"		Micro Inverse 1" x 1"	Micro Normal 2" x 2"
D-2 2 5/8" Security D-1 7 7/8" Reed Drag M3			3 1/2"					100			Very Fine	QUARTZ SAND, dark grey to black, fine to very coarse grained, rounded to angular quartz grains; abundant bioclastic material, occasional fossil fragments.	Recent						
D-3 5 5/8" Williams W-3			6 3/4"					200			Very Fine	CALCAREOUS QUARTZ SAND, dark greenish-grey to black, fine grained, well sorted, rounded to sub-rounded quartz grains, abundant fossils and fossil fragments - lamellibranchs, gastropods, bryozoa. Occasional COAL bands, black to dark brown, fibrous, soft when wet, common glauconite in basal 30'.	Pleistocene Tarwin Beds						
D-3 5 5/8" Williams W-3			1/2"					300			Very Fine	SANDSTONE, arkosic, grading to lithic SANDSTONE and SILTSTONE, light grey, very fine to fine grained, composed of quartz, often well rounded, feldspar, and coloured mineral specks, in an argillaceous matrix, occasionally slightly calcareous, firm, massive. Below 240' occur numerous inclusions of SHALE, LINTSTONE, M-ANNE and CALIFORNIA, light, no shows.							
D-3 5 5/8" Williams W-3			1/2"					400			Very Fine	Interbedded MUDSTONE (SHALE), light grey, silty, slightly carbonaceous, firm, blocky in part slightly fissile, well and thinly bedded.							
D-3 5 5/8" Williams W-3			1/2"					500			Very Fine	SILTSTONE, light grey, argillaceous, in part sandy and occasionally grades to very fine grained SANDSTONE, slightly carbonaceous, with plant fossils, numerous mineral specks well and thinly bedded, firm, blocky, in part flaggy, occasional rock fragments.							
D-3 5 5/8" Williams W-3			1/2"					600			Very Fine	and minor SANDSTONE, arkosic, light grey, fine to very fine grained, silty, tight, no shows.							
D-3 5 5/8" Williams W-3			1/2"					700			Very Fine	SANDSTONE, arkosic, light grey, greenish, speckled, very fine to fine grained and fine to medium grained, well to fairly sorted, firm, massive, consists of quartz, feldspar (often decomposed) and coloured mineral specks, in an argillaceous matrix, in part slightly carbonaceous, tight no shows, and occasionally yellow-grey, friable, hard, slightly siliceous, slightly calcareous, with yellow matrix, and rarely grey, siliceous, fine grained, slightly calcareous, massive, hard.							
D-3 5 5/8" Williams W-3			1/2"					800			Very Fine	and minor interbeds of SILTSTONE, light grey, in part sandy, firm, blocky, occasionally well and thinly bedded.							
D-3 5 5/8" Williams W-3			1/2"					900			Very Fine	and SHALE, light grey, slightly greenish, firm, slightly silty, slightly carbonaceous, well bedded.							
D-4 5 5/8" Williams W-3			1°					1000			Very Fine	SHALE, mid to dark grey, slightly greenish, slightly silty, firm, fissile, occasionally blocky, in part carbonaceous, well bedded, occasionally massive.	Mesozoic Strzelecki Group Unit 1						
											Very Fine	with interbeds of SILTSTONE light to mid grey, slightly greenish, in part sandy or slightly sandy, argillaceous, firm, blocky, massive, occasionally well bedded, slightly carbonaceous.	Mesozoic Strzelecki Group Unit 2						
											Very Fine	and SANDSTONE, arkosic, light grey, occasionally slightly greenish, speckled, fine to medium grained, occasionally very fine grained, fairly sorted, firm, massive, rarely slightly calcareous, in part slightly carbonaceous, consists of quartz, feldspar, coloured mineral specks, in an argillaceous matrix; tight, no shows.							

increased rotary speed.