DEPT. NAT. RES & ENV
PE602705

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 Minor. S.T. VFG F M C) | LITHOLOGIC DESCRIPTION | INTERPRETED LITHOLOGY (TENTATIVE)

D-4 5⅝" Williams W-3

D-3 5⅝" Williams W-3

D-2 2⅝" Security M3

D-1 7⅞" Reed Drag

3.9% C-1 Reed Hi

D-3RR 5⅝" Williams W-3

C-1 RR Reed Hi F 5%
C-1 RR Backwash 5%

3½°

6⅞°
30½

1½°

Rec 4%

1°

increased rotary speed.

100 200 300 400 500 600 700 800 900 1000

QUARTZ SAND, dark grey to black, fine to very coarse grained, rounded to angular quartz grains, abundant humic material, occasional fossil fragments.

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. RECENT

CALCAREOUS QUARTZ SAND, grey, occasionally slightly greenish, very fine to very coarse grained with quartz granules and pebbles (?) at base, overall poorly sorted, in part well sorted, common very fine to coarse fossils and fossil fragments - lamellibranchs, gastropods, bryozoans. Occasional COAL bands, black to dark brown, fibrous, soft when wet. common glauconite in basal 30'. 100

MUDSTONE, light grey to grey, in part silty, with occasional black and white silty specks, soft, blocky, well bedded, and occasional interbeds of

SILTSTONE, light grey, dark brown, argillaceous, in part sandy, in part grading to very fine grained SANDSTONE, numerous white, black, red, yellow specks, soft, blocky. 280

SANDSTONE, arkosic, grading to lithic SANDSTONE and SUB-GREYWACKE, light grey, very fine to fine grained, composed of quartz, often well rounded, feldspar, and coloured mineral specks, in a feldspathic or argillaceous matrix, occasionally slightly calcareous, firm, massive. Below 240' occur numerous inclusions of SHALE, LIMESTONE, QUARTZ and CHERTS. TIGHT, NO SHOWS. 300

Interbedded MUDSTONE (SHALE), light grey, silty, slightly carbonaceous, firm, blocky in part slightly fissile, well and thinly bedded.

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,

and minor SANDSTONE, arkosic, light grey, fine to very fine grained, silty, tight, no shows. 400

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, TUFFACEOUS, hard, slightly siliceous, slightly calcareous, with yellow matrix, and rarely grey, siliceous, fine grained, slightly calcareous, massive, hard, 500

and minor interbeds of

SILTSTONE, light grey, in part sandy, firm, blocky, occasionally well and thinly bedded,

and SHALE, light grey, slightly greenish, firm, slightly silty, slightly carbonaceous, well bedded. 600

700

SHALE, mid to dark grey, slightly greenish, slightly silty, firm, fissile, occasionally blocky, in part carbonaceous, well bedded, occasionally massive.

with interbeds of

SILTSTONE light to mid grey, slightly greenish, in part sandy or slightly sapdy, argillaceous, firm, blocky, massive, occasionally well bedded, slightly carbonaceous. 800

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. 900

Pleistocene Tarwin Beds

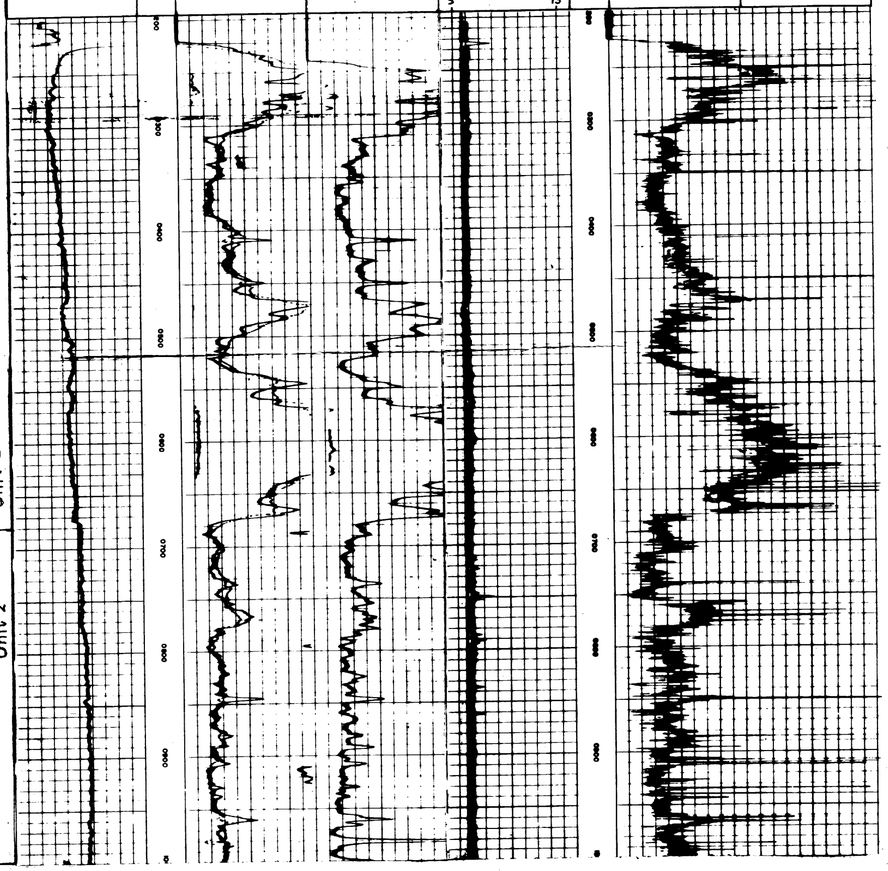
Mesozoic Strzelecki Group Unit 1 Unit 2

SPONTANEOUS POTENTIAL millivolts

RESISTIVITY ohms - m²/m
0 10
0 AM1·16" 60
0 500
0 50
0 AM2·64" 500

RESISTIVITY ohms - m²/m
0 50
0 AO 18'8" 500

MICROCALIPER Hole diameter in inches
5" 13"

RESISTIVITY ohms - m²/m
Micro Inverse
0 1"x1" 20 40
Micro Normal 2" 20 40

2"100'