

GETTY OIL DEVELOPMENT CO. LTD.

PERCUSSION DRILLING LOG.

LAUNCESTON BASIN PROJECT TASMANIA

HOLE NO. C/1

LOCATION 1/2 mile S.W. of CONARA JUNCTION

COORDS N E

TOTAL DEPTH 212'

COLLAR ELEV.

CONTRACTOR AUSTRAL UNITED GEOPHYSICAL

GAMMA LOGGED D TOWERY

GEOL LOGGED P. GRIFFITHS

HOLE DIAMETER 4 1/2"

PROBE DIAMETER

STARTED 27/1/73

COMPLETED 29/1/73

SHEET 1 OF 2

SCALE 10' = 1"

5 cm

DEPTH	DESCRIPTION	Graphic Lith.	Fe.	Carbon	Feldspar	Other	Sample No	COMMENTS
20-30'	SANDY SILTY CLAY - poorly sorted fine to very fine grtz, subang to subrnd - predom orange brown stain in a silty clay matrix - orange brown - abt. lim nod		100% orange brown stain	n.p.	n.p.		C/115	
10'	CLAY AFTER BASALT - Bands of grey blue to purple clay & kaol as stringers to spots in the clay - no obvious igneous texture + small amount of mod decomposed orange brown basalt.	V V	50% orange brown stained	rare carb wood	5-20% kaol.		C/110	
10-15'	predom a light blue grey fels? clay after basalt = 20% of sample as a creamy yellow fels? clay (almost totally kaol. light blue clay contains abt. 1% of kaol. - an igneous texture)	V V	20% as orange brown stained clay	n.p.	20-30% kaol. blue grey clay up to 100% kaol in creamy yellow clay.		C/115	
15-20'	predom the creamy yellow clay.	V					C/120	
20'	SANDY SILTY CLAY - fine to very fine grtz (~5%) in an orange brown silty clay matrix - grtz subang to subrnd - grades into a		matrix orange brown		n.p.		C/125	
30'	SANDY SILT - fine to very fine grtz, subang to subrnd (10-40%) - predom colourless + 1-3% very fine grey lithic grains in a predom creamy white silty matrix - 2 rare orange brown bands.		5% as orange brown stringers & bands		rare white feldspar xtal.		C/130	
35-40'	sandy silt has a faint orange stain thru' out.		faint orange stain				C/135	
40'	GRITTY FELLS SAND - 38-40' above = grtz & grtz like frags upto 10mm - are size 3-5mm.		60% grains orange stained		~10% yellow white xtal		C/140	GRITTY FELLS SAND. 60-90% grtz upto 3mm - 2 are orange stained - 2 are 10% yellow white feldspar xtal + ~5% lithic grey frags xtal are ang to subrnd
45-50'	GRITTY FELLS SAND as for 38-40'		rare orange stain				C/150	** N.B. most of fine xtal lost thru' mesh.
50'	50' - medium to predom fine to very fine FELS SAND = 1-2% orange lithic frags		1-5% orange stain + 1-2% orange lithic frags				C/155	
55-58'	SANDY SILT - 55-58' - 80% SANDY SILT & 20% SILTY SAND Bands		1-5% orange stained		kaolined matrix		C/160	*** SANDY SILT - fine to very fine grtz rnd to subrnd + 1-3% grey lithic frags in a creamy white-kaolined(?) silty matrix - 55-58' here occur bands where % grtz ↑ → a SILTY SAND.
60'	GRITTY FELLS SAND as above grades into a PEBBLY FELLS SAND as above		rare stain		~10% white yellow feldspar		C/165	
70'	CARB SILTY CLAY & abt PEAT Bands carb silty clay - dark brown - plastic & 1-3% very fine grtz xtal, rnd, + 1-2% mica flakes + abt peaty flakes - in silty clay.			60-70% carb as peaty flakes + peat bands.			C/170	
75-80'	90% CARB SAND & 10% as carb SILTY CLAY Bands SAND medium to predom. fine to very fine ang to subrnd grtz (predom colourless) + 5-10% white xtal (2-5% white grtz + 5% white feldspar + 10% decomposed (clayey) grey lithic rock frags + wood frags - soft, peaty, dark brown.			5-10% wood frag	5-5% feldspar		C/180	
80'	from 75-80' xtal 7 in size up to ~3mm. + 5% of samples are grey to grey brown mod to well compacted silty clay			wood frag			C/185	
90'	At 87' sand grades into a Pebbly SAND: 9 in size up to ~10mm = ave pebblesize of ~5mm pebbles are predom grtz rnd to subrnd + colourless. 2-5% white (grtz) pebbles + 1-3% grey lithic frags & predom ang to subang 5-7mm			wood frag			C/190	
100'	GRAVEL: predom grtz pebbles as above (predom rnd to subrnd) = 5% white grtz like frags ang to subrnd + 2-5% grey lithic frags ang to subrnd						C/195	**** 95-100' rare lenses of light grey silty clay - poorly compacted.
105-110'	SANDY SILT - fine to very fine grtz, sub ang to rnd + 1-5% white kaolin specks + 1-2% mica flakes in a greenish grey silty matrix (mainly green).		faint orange stain	1-5% wood frags	1-5% kaol. specks		C/110	
110'							C/115	
118-120'	CARB. SANDY SILT - fine to predom very fine grtz (rnd to subrnd) ~5% + 1-2% mica flakes + 15% peaty flakes in a dark brown silty matrix			1-5% peaty flakes + c. as interstitial comp. of matrix	1-5% kaol. flecks		C/120	
130'							C/125	
130'							C/130	
140'	FELS SAND & SANDY SILT + carb SANDY SILT Bands (10-20%) sand: very coarse to very fine - ang to subrnd xtal 80-90% grtz (colourless) + 5-10% white feldspar + 1-3% pink feldspar + 1-5% grey lithic frags + 1-3% green lithic frags			rare wood frags	5-10% white + 1-3% pink		C/140	
140-150'	Gritty Sand: xtal size 3-4mm						C/145	
150'	150-155' = very coarse xtal.						C/150	
160'	Bands of SAND (as for 135-140) ~45% Carb SANDY SILT (as for 118-135) ~50% = grey SILTY CLAY lenses (1-5%)			~5-10% wood frags	insand		C/160	
170'	DETRITUS BED: 20-30% gravel - ang to subrnd grtz & grtz like (60-70%) + grey lithic frags (10-30%) - pebbles up to 10-15mm + decomposed clay & frer dolerite pebbles + sandy silt: - contamination? + 1-5% grey siltcrete						C/170	
180'							C/175	
180'							C/180	
180'							C/185	
190'	Interbedded Bands of FELLS SAND ~80% + Carb SANDY SILT (20%) SAND: = very coarse - as for 135-140. carb sandy silt: poorly to well compacted bands = abt peaty stringers as for 118-135'			rare wood	1-3% pink 5-10% white in sand.		C/190	
200'					+1-5% kaol in sandy silt		C/195	
200'	200-205' ~70% carb sandy silt + minor green sandy silt + 30% GRITTY FELLS SAND - grtz colourless ang to subrnd up to 5-4mm + 1-2% pink + 5-10% white feldspar (a few pink xtal up to 3-4mm) - mainly 1-2mm + 1-5% grey lithic frags						C/205	NB. Pyrite (unweathered) common in grtz xtal - abrasion yellow.
210'	205-210' 80-90% Gritty Fels Sand + 10% Carb sandy silt.						C/210	
210-212'	Clay & frer dolerite?						C/212	
211-212'	fresh dolerite? - dark grey to black.							
212'	END OF HOLE							