

GETTY OIL DEVELOPMENT CO. LTD.

PERCUSSION DRILLING LOG.

LAUNCESTON BASIN PROJECT TASMANIA

HOLE NO. C/2

CONTRACTOR Austral United Geophysical

STARTED 26/1/1973

LOCATION 1/4 mile N.E. of CONARRUNCTION

GAMMA LOGGED D. TOWERY

COMPLETED 27/1/1973

COORDS N E

GEOL. LOGGED R. J. Willink.

SHEET 1 OF 2

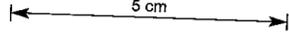
TOTAL DEPTH 285 ft

HOLE DIAMETER 4 1/2"

SCALE 10 feet = 1 inch

COLLAR ELEV.

PROBE DIAMETER



DEPTH	DESCRIPTION	Graphic Lith	Fe.	Carbon	Feldspar	Other	Sample No.	COMMENTS
10	FERRUGINOUS SILTY CLAY WITH LIMONITIC BANDS Yellow brown to brown overall fine gr. & ferruginous staining of matrix components 0-6 ft loosely compacted surface soil Common 5-10% limonite nodules (rounded) 1/8-1/4" predom 5-10 ft relatively plastic Common 10% red brown hard angular limonitic fragments - probable banding? 10-20 ft Mottled yellow brown and red brown High silt component ↑ & depth Common ang. limonitic frags 20% - probable banding	(Fe)	Fe stain of matrix components throughout	np	Flt. to clay mins.	-	C/2/0-5 C/2/10 C/2/15 C/2/20	Cuttings water flushed
30	SILTY SAND WITH LIMONITIC BANDS Overall homogeneous texture Fine gr. Predom sand & minor silt component. Yellow brown due to ferruginous staining of silt component. Sand & apparent major Qtz & minor yellow specks - ffspar? 20-25' Common 5% angular limonitic frags 25-30' 2-3% limonite nodules 1/2" sub rounded	(Fe)	Fe ferrug. matrix stain As limonite bands, 20-25'	np.	Yellow speck possible minor ffspar const. in sand?	-	C/2/25 C/2/30 C/2/35	
40	FINE SAND Cutting 70% fine sand, 30% silty sand Fine sand const. no sand in silty sand 20-35' Sand possibly silty sand (as above) with silt component washed through.	(Fe)	Fe ferrug staining only.	np	As above 20-35'	-	C/2/40	
50	SILTY SAND Grey to yellow brown in colour Ferrug staining in matrix. Overall homog texture Constituents as from 20-35'	(Fe)	Fe ferrug yellow- brown staining of matrix const.	np	As from 20-35'	-	C/2/45 C/2/50 C/2/55 C/2/60	
70	SILT Relatively fresh, hard, dark grey, angular fragments Slightly vesicular with marked igneous fine gr texture. Common large pebbles of monstone & Qtz (rounded) 1% through basal cuttings, possible thin band on top of basal	✓ ✓	-	-	-	-	C/2/65 C/2/70 C/2/75 C/2/80	
90	DECOMPOSED BASALT Greenish brown to yellow in colour Relatively soft at 60-80', but & apparent igneous fine gr texture.	✓ ✓	-	-	-	-	C/2/85 C/2/90	
100	FERRUGINOUS SANDY SILT Yellow brown to brown in colour due to ferruginous staining of silty matrix Silt & minor sand component Sand & apparent Qtz & yellow specks ⇒ kaolin after ffspar Sand component ↑ & depth.	(Fe)	Fe ferrug yellow brown	np	Yellow specks kaolin after ffspar 5-10%	-	C/2/95 C/2/100 C/2/105 C/2/110 C/2/115	
130	SILTY SAND Brown ferrug staining throughout Predom fine sand (Qtz & minor ffspar 2%) & minor silty matrix Homogeneous texture.	(Fe)	Ferrug staining throughout	np	As possible minor const. ? < 5%	-	C/2/120	
130	GRAVEL Coarse Poorly sorted > 1/8", 20%; 1/4-1/8" 60%; < 1/8", 20%. Const frags include predom Qtz, sub rounded to sub angular, brown clear to grey, 80-90%. Minor ffspar pink to white, sub ang 5-10% Lithic frags (black) 5% + rare sub rounded pebbles of petrified wood, chaledony and/or quartz. Common frags (5-10%) of grey silt throughout Probable thin bands through gravel	○ ○ ○ ○	np	np	As minor const. of gravel 5-10% pink to white frags	-	C/2/125 C/2/130 C/2/135 C/2/140	
150	INTERBEDDED SILT, GRAVEL AND PEBBLY CHIPS Gravel as from 120-140' Pecky chips - black 1/8" Silt grey to grey brown Predom silt & apparent clayey matrix Carbon as fine gr interstitial sand and pecky chips Common 5% coarse gravel frags throughout ⇒ contain only? 140-150' Silt 70-80% ↑ depth	○ ○ ○ ○	np	140-145' 2-3% pecky chips	As gravel const. (20-140) Kaolin after ffspar in silt?	-	C/2/145 C/2/150	Difficult to delineate boundary due to probable contamination of cutting from below 140' with gravel from 120-140'.
160	CARBONACEOUS SILTY SILTY CLAY Grey to brown in colour Homog, fine gr. Silt & apparent yellow specks ⇒ kaolin after ffspar Silt & minor sand & clay components Common greenish grey silt frags Carbon as interstitial gives rise to brown colour Extreme contamination of cuttings with coarse gravel. ↓ & depth 10-5% 185-190' Rare Permug. sandy silt frags through cuttings. Contamination or possible thin band.	○ ○ ○ ○	np	150-155' 60-70% pecky chips 155-160' 1% pecky chips	Flt. to clay mins?	-	C/2/155 C/2/160	
170	GRAVEL As from 120-140' Coarse Poorly sorted Predom Qtz & minor ffspar and lithic fragments Common carbonaceous pecky chips Extremely abundant 185-170'	○ ○ ○ ○	np	160-165' 2-3% pecky chips 165-170' 70% pecky chips	As minor gravel const.	-	C/2/165 C/2/170	
180	CARBONACEOUS SILT Grey to brown in colour Homog, fine gr. Silt & apparent yellow specks ⇒ kaolin after ffspar Silt & minor sand & clay components Common greenish grey silt frags Carbon as interstitial gives rise to brown colour Extreme contamination of cuttings with coarse gravel. ↓ & depth 10-5% 185-190' Rare Permug. sandy silt frags through cuttings. Contamination or possible thin band.	○ ○ ○ ○	np	185-190' As yellow brown stain no sand sandy silt frags	Flt. to clay mins (kaolin after ffspar ⇒ yellow specks)	-	C/2/175 C/2/180 C/2/185 C/2/190 C/2/195 C/2/200	
200	200-205' Common pecky chips through cuttings	○ ○ ○ ○	np	200-205' 5% pecky chips	-	-	C/2/205	C/2 CONTINUED
210	INTERBEDDED SILTY CLAY AND PEBBLY COARSE SAND Silty clay - as from 170-205'. Carbonaceous pebbly coarse sand - poorly sorted. Predom very coarse sand & minor pebbly component 7/8" 5-10%. Constituents predom Qtz clear to brown - sub ang. Minor ffspar - pink to white & rare lithic frags green to black 1% abundance of components variable & depth 205-210' 50% coarse sand; 50% silty clay to silt 210-220' 80-90% coarse sand, 10-20% carb silt 220-225' ↑ in silty clay component 40-50% 50-60% sand	○ ○ ○ ○	np	As inter- stitial in silty clay	As minor const. of sand.	-	C/2/210 C/2/215 C/2/220 C/2/225	
230?	SILTY CLAY Black grey & low silt abundance. Minor sand cont 25%. Homog, fine gr.	○ ○ ○ ○	np	np	Flt. to clay mins	-	C/2/230	
240	INTERBEDDED SILTY CLAY AND PEBBLY COARSE SAND Constituents as from 205-225'. 230-245' 80% coarse sand & abundant. 10-20% pebbles 7/8" 20% silty clay ↓ & depth	○ ○ ○ ○	np	235-240' 10% peat	Flt. to clay mins	-	C/2/235 C/2/240	
250	245-260' ↓ in sand component ↑ in silt component. Carb silt & relatively high fine sand const. ⇒ yellow specks - kaolin after ffspar.	○ ○ ○ ○	np	255-260' 20% peat frags	Yellow specks in silt kaolin after ffspar?	-	C/2/245 C/2/250 C/2/255	
260	260-265' Gradational boundary.	○ ○ ○ ○	np	265-270' 20% peat frags	Yellow specks in silt kaolin after ffspar?	-	C/2/260	Difficult to delineate boundary due to probable contamination of cuttings & coarse sand.
270	CARBONACEOUS SILT Cuttings predom silt & minor clayey matrix Homog. texture, fine gr. Silt & apparent yellow specks - kaolin? and common black specks of carbonaceous material. Common fine to coarse sand frags resulting from probable contamination only	○ ○ ○ ○	np	As inter- stitial giving brown colour As black carb. specks	Yellow speck kaolin after ffspar?	-	C/2/265 C/2/270 C/2/275	
280	CLAY AFTER DOLERITE 275-280' grey to black grey, fine gr homog clay. & no apparent igneous texture. 280-285' profound coarse gr igneous texture in green cuttings. Hardness ↑ & depth.	+	+	+	+	+	C/2/280 C/2/285	
285	END OF HOLE 285 FT - DOLERITE BASEMENT	+	+	+	+	+		