

GETTY OIL DEVELOPMENT CO. LTD.  
 PERCUSSION DRILLING LOG.  
 LAUNCESTON BASIN PROJECT TASMANIA

HOLE NO. 0/7

CONTRACTOR AUSTRAL UNITED GEOPHYSICAL

STARTED 16/12/72

LOCATION - 2 1/2 miles E. of CRESSY on 'PANSBAGGER' GAMMA LOGGED

COMPLETED 17/12/72

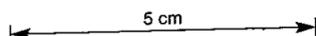
COORDS N E GEOL. LOGGED P. GRIFFITHS

SHEET 1 OF 2

TOTAL DEPTH 228' HOLE DIAMETER 4 1/2"

SCALE 10' = 1"

COLLAR ELEV. PROBE DIAMETER



DEPTH	DESCRIPTION	Graphic Lith	Fe.	Carbon	Feldspar	Other	Sample No	COMMENTS
10	<b>FERRUGINOUS SILTY SAND:</b> orange brown qtz, fine to medium, subangular to subround in an orange brown silt matrix (10-20%) - common black carbonaceous specks		100% orange brown stain to qtz and matrix	common black specks	n.p.		0/7/5 0/7/10	
20	<b>PEBBLY SANDY SILTY CLAY</b> or <b>PEBBLY BANDS</b> in SANDY SILTY CLAY - very poorly sorted samples. - qtz (10-50%) very coarse to very fine, subangular to subround (predom colourless) in a light gray plastic clay & minor silt content & patches of yellow orange stain <b>CLAY</b> = thin bands of <b>CARB CLAY</b> 25-30: clay - plastic, light grey, homog. texture. & rare slightly yellow orange stain - thin band of dark brown carb. clay (10-20%) - interstitial organic matter gives the brown colour + some peat and carb. wood frags 30-35: dark brown carb. clay increases to 20-30% + 30% black carb. wood frags		30-40% yellow orange stain to clay 20-30% "	rare black specks	Alt. to clay mins.		0/7/15 0/7/20 0/7/25	* abundant pebbles, predom qtz, qtz/lite predom. + sandstone and some limonitic nodules. - qtz, qtz/lite - angular. to subangular. sandstone - subrounded limonite - round to subround. - sma.
40	<b>CARBONACEOUS CLAY</b> + <b>CARB. WOOD FRAGS</b> - dark brown, homogeneous, plastic clay - contains peaty inclusions and carb. wood frags		n.p.	"			0/7/30 0/7/35 0/7/40	pebbles up to 20mm. average 5-10mm. - % decreases = depth.
50	45-50: carb. clay is streaked light grey to light brown - grades into a						0/7/45 0/7/50	
55	<b>SILTY CLAY</b> light brown to predom grey - plastic & 20% silt grains & minor very fine qtz + 10-20% black (carb.) specks		n.p.	5-10% black carb. specks			0/7/55	
60	<b>CLAY</b> = <b>CARB. CLAY BANDS</b> . clay - light grey blue, homogeneous, plastic (ie moderately compacted) 60-70: thin band(s) of dark brown carb. clay as above. & peat inclusions and carb. wood frags. 65-70: non carb. clay is a dark grey blue			" in non carb. clay + 40% of sample is carb. clay & peat and carb. wood			0/7/60 0/7/65 0/7/70	
70	70-75: non carb. clay is predom dark grey blue streaked grey to dark brown.			5% brown carb. clay			0/7/75	<b>END OF TERTIARY</b>
80	<b>CLAY AFTER DOLERITE</b> or <b>DETRITUS CLAY BED.</b> Predom a clay grey to greenish, bluish grey & 1-3% qtz, fine to very fine predom subround and colourless. * & refer opposite - no apparent igneous texture in clay - more or less homogeneous.		frags brown to red, brown stained	rare carb. inclusions			0/7/80 0/7/85 0/7/90	** - clay contains abundant fragments of decomposing, brown to red brown stained, moderately soft to hard lithic material - some have apparent
90	<b>SAND</b> predom grey to colourless qtz, medium to predom fine to very fine, subangular to subround + 1-5% black specks of decomposed mineral - soft, friable.		slight yellow stain & rare orange stain to kaolin	"	30-50% kaolin after. f/spar.		0/7/95 0/7/100	kaolin & f/spar flecks - give a slight igneous texture. - dol. - most frags have no apparent igneous texture. - most frags contain
100	qtz + black mineral & rare mica flakes is contained in a white to yellowish white kaolin after f/spar 'cement' 30-50% 90-100: kaolin is a greenish grey. 95-110: 30-50% carbonaceous matter, ranging from, peaty, frags to lignite lumps to rare lumps of bituminous to sub bituminous coal.		to kaolin	refer. description			0/7/105 0/7/110 0/7/115	large (upto 3-5mm) qtz to small apparent qtz colourless & some brown staining in a decomposing, moderate soft matrix - possible sandstone or greywacke - rare soot like carbonaceous inclusions in clay.
110	- rare unaltered, brassy yellow pyrite xtals in sand.			common black carb. stringers.			0/7/120 0/7/125 0/7/130	(- also some flakes of a light brown material as a foreign nature - soft pliable, & a criss cross texture like that of woven material.)
130	From 130 on 140. f/spar tends to appear more as partially to predom totally kaolinised grains (5-30%).			+ rare bituminous lump thru out			0/7/135 0/7/140	
140							0/7/145 0/7/150	
150	some thin compacted, hard sand bands.						0/7/155 0/7/160	
160	From ~160 - moderately to very compacted sand tending to a <b>SANDSTONE:</b> - fine to very fine qtz, grey to colourless, predom subround, + 10% kaolin after f/spar grains + 5% black decomposed mineral in a medium grey siliceous cement (~30-40%)						0/7/165 0/7/170 0/7/175	
180	180 - cement is predom a dark grey, 5-10% kaolin specks white. - grain size of qtz decreases to predom. very fine = depth.						0/7/180 0/7/185 0/7/190	
190							0/7/195 0/7/200	
200							0/7/205 0/7/210 0/7/215	
210	Between 205-215 there is a gradation to a shale.						0/7/220 0/7/225	
220	% of every fine qtz and kaolin after f/spar decreases while the medium grey to predom dark grey silt matrix increases to ~60% - 80% - minor black carb. specks			minor black carb. specks			0/7/230 0/7/235	
228'	<b>SHALE.</b> - hard, very compacted, minor qtz (very fine) and kaolin + black carb. specks in a predom medium to light grey silt matrix						ns.	
230	<b>END OF HOLE</b> - unable to continue drilling in hard shale.							

0/7 cont.