

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

HOLE NO. **SM**

LOCATION ~4 miles W. of CRESSY

COORDS N E

TOTAL DEPTH 545'

COLLAR ELEV.

CONTRACTOR AUSTRAL UNITED GEOPHYSICAL

GAMMA LOGGED D. TOWREY

GEOL. LOGGED P. GRIFFITHS

HOLE DIAMETER 4 1/2"

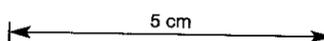
PROBE DIAMETER

STARTED 13/1/73

COMPLETED 14/1/73

SHEET 1 OF 3

SCALE 10' = 1"



DEPTH	DESCRIPTION	Graphic Lith.	Fe.	Carbon	Feldspar	Other	Sample No.	COMMENTS
	SILTY CLAY: mostly orange brown to brown - mod. compact (plastic) - homogeneous.		100% orange brown to brown	mp	mp		S/115	
10'	CLAY & SILTY CLAY BANDS: clay predom light gray - mod compact (plastic) - homo g - some yellow orange stain - bands of yellow orange silty clay & bands of orange brown silty clay - poorly well compacted - 20-30% of silt		clay 10-20% yellow orange stain	mp.	z in matrix.		S/110	* s. clay => plastic s. clay.
	poorly well compacted. 10-15% in silt content (10+20%) in clay -> s. clay (shale)		30-50% stain predom orange brown				S/115	* s. clay => silty clay. 10-47' in Fe column refer to the plastic s. clay.
20'	15-20% s. clay contains black to dark navy blue streaks (carb) ~ 5% - predom fawn brown stain + 10-20% well compacted orange brown s. clay.		50-60% fawn brown	~ 5% as carb: black streaks			S/120	** poorly compacted s. clay contains abt silt grains
	20-30% s. clay contains black to navy blue streaks. - predom fawn brown stain - rare orange brown s. clay band - poorly compacted		60-70% fawn brown stain	5-10%			S/125	
30'							S/130	
	30-35% s. clay fawn to orange brown - rare black streaks		80-90% fawn to orange brown	rare "			S/135	
40'	35-40% s. clay predom fawn to orange brown - 1-3% brown to black streaks. 10-30% poorly to well compacted orange brown s. clay.		"	1-3% brown to black streaks			S/140	
	40-45% s. clay as above.						S/145	
~47'							S/150	
50'	CARB. SILTY CLAY.		mp.	black	mp.		S/155	
	dark gray to chocolate brown - mod. compact (plastic) - homogeneous texture - black carb. inclusions + c as an interstitial component of matrix. - silt content ~ 10%			carb. inclusion + c. as interstitial comp. of matrix			S/160	
60'							S/165	
~66'							S/170	
70'	SANDY SILTY CLAY: poorly sorted - 10% fine to very fine qtz, and to subrand in a dark grey blue silty to clay matrix - mod. compact (plastic)		mp.	mp	mp		S/175	
	SANDY SILT: fine to very fine qtz predom rnd to subrand (colourless xtrals) + rare black speckst rare mica flakes in a light gray blue silty matrix						S/180	
~77'							S/185	
80'	CARB? SANDY SILT: qtz as for 70-77' in a dark brown to grey silty matrix & some minor light grey blue sand grains			carb. matrix -> dark brown colour			S/190	
	SANDY SILT: 80-85' fine to very fine qtz (predom colourless) + 1-5% white flecks of kaol. after fl. par. + 1-2% green mafic mineral in a dark grey blue silty matrix - rare yellow orange bands.		rare yellow orange bands.	mp.	1-5% kaol. flecks.		S/195	
90'	85-90' ↑ in % kaol. up to ~10% + rare peaty stringers. + band of carb. wood (dark brown soft)			rare peaty stringers + 5-10% wood frags	1-10% kaol. flecks		S/195	** in samples from 85-127 % kaol. varies from rare up to ~10% => bands of kaol. eff. to kaol. abundant sandy silt
	95-127' ↑ in % of green mafic mineral up to ~5% -> grey blue to grey green colour			rare peaty stringers + 5-10% wood frags			S/195	
100'	100-127' some orange stain occurs.		1-3% orange stain	rare stringers + wood frag.			S/1100	
110'							S/1110	
	SANDY SILT & minor orange silty clay and brown silty clay lenses. (or latter clays could be contamination)						S/1115	
120'							S/1120	
							S/1125	
130'	CARB SANDY SILT: predom very fine qtz, rnd xtrals. + 1-5% white, vitreous mica flakes + 1-2% white to yellowish white kaol. specks + some green mafic mineral (≤ 3%) + brown peaty specks as interstitial component of silt matrix		mp.	peaty specks as interstitial component of matrix	1-2% kaol.		S/1130	
140'							S/1135	
							S/1140	
150'	145-150' ↑ in % kaol. to 5% + definite band (or stringers) of peaty material occur			+ 5% carb. wood + peaty stringers.	~ 5% kaol.		S/1150	
	DOLERITE DETRITUS contains mod competent dark grey green frags - extremely fine grained - qtzitic texture - 50-70% of whole - possibly a SILCRETE. + dark grey green to greenish blue frags & a definite matrix texture of decomposed dolerite.		mp	mp	white flecks of kaol. in dolerite frags.		S/1155	
160'							S/1160	
							S/1165	
170'	SANDY SILT: fine to very fine qtz, and to subrand + rare to ~3% kaol. (white) specks in a green blue silt matrix - 1/2 wood frags ↑ z depth		mp.	rare large carb. wood frags.	upto 3% kaol. specks.		S/1170	
							S/1175	
180'				10% carb wood frag			S/1180	
	SILCRETE. as above 150-165:		mp	mp	mp.		S/1185	
190'							S/1190	
195'	CARB SANDY SILT: fine to very fine qtz + 1-5% kaol. specks + 5-10% green mafic mineral + black carb. inclusions + brown peaty stringers in a blue green mafic textured silt matrix		mp	black carb. inclusions + peaty stringers	1-5% kaol.		S/1195	
200'	SILCRETE. as above.						S/1200	