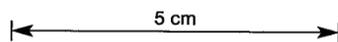


GETTY OIL DEVELOPMENT CO. LTD.
 PERCUSSION DRILLING LOG.
 LAUNCESTON BASIN PROJECT TASMANIA

HOLE NO. **S/17** CONTRACTOR **AUSTRAL UNITED GEOPHYSICAL** STARTED **23/1/1973**
 LOCATION **5.5 miles N.W of LONGFORD** GAMMA LOGGED **D. TOWREY** COMPLETED **24/1/1973**
 COORDS **N E** GEOL. LOGGED **R.J. WILLINK.** SHEET **1 OF 2**
 TOTAL DEPTH **450 FT.** HOLE DIAMETER **4 1/2** SCALE **10 FT = 1 IN.**
 COLLAR ELEV. PROBE DIAMETER



DEPTH	DESCRIPTION	Graphic Lith.	Fe.	Carbon	Feldspar	Other	Sample No.	COMMENTS
	<u>CLAY ± FERRUGINOUS STAINING</u> ± <u>LIMONITIC BANDS</u> . overall fine grade - predom. clay ± minor silt component. Variable colour, plasticity, ferrug. content ± depth.		As. ferrug. brown, red orange staining	n.p.	Alt. to clay minerals.		S/17/0-5	
10	0-5: Topsoil, loosely compacted - brown, relatively high silt content. Ferrug. stained. common s/hard, ang. brown limonitic? frags ⇒ banding.		Through out.				S/17/10	
	5-15: mottled red brown & grey, grey clay plastic, red patches (ferrug.) less plastic. 10-15' ~10% limonitic hard frags. ⇒ banding.	Fe	As limonitic bands				S/17/15	
20	15-20: mottled grey & fawn. overall plastic ~10% limonitic ⇒ banding						S/17/20	
	20-25: predom bright red ± minor grey clay frags. Plastic. Red ferrug. staining.	Fe	0-45'				S/17/25	
30	25-35: mottled fawn, grey & red. ~10% hard limonitic frags ⇒ banding Red ferrug. staining						S/17/30	
	35-40: Predom yellow brown plastic clay ± 10% large 1/2" - 3/4" ang. frags (lim) ⇒ banding						S/17/35	
40	40-45: mottled yellow brown and grey plastic clay - minor orange pebbles.						S/17/40	
							S/17/45	
50	<u>CARBONACEOUS CLAY</u> dark brown to dark grey		n.p.	As fine	Alt. to clay minerals?		S/17/50	
	Fine grade, homogeneous texture. Predom. clay ± minor silt component. Predom plastic. carbon as fine grade interstitial component which gives brown colour			grade interstitial component in clay			S/17/55	
60	45-60: common frags of yellow brown clay (contamination or gradational boundary)						S/17/60	
							S/17/65	
70							S/17/70	
							S/17/75	
80							S/17/80	
							S/17/85	
90							S/17/90	
							S/17/95	
100							S/17/100	
							S/17/105	
110							S/17/110	
	110-115: S ₁ of cuttings is hard shale frags ⇒ SILCRETE Banding through other wise homogeneous clay.						S/17/115	
120							S/17/120	
	120-130: carb. clay moderately compacted - less plastic						S/17/125	
130							S/17/130	
	130-135: common S ₁ brown hard SILCRETE frags ⇒ banding						S/17/135	
140	<u>Interbedded CARBONACEOUS CLAY, & SANDY SILT ± Bands of SILCRETE.</u>		n.p.	2-3% peaty chips	Alt. to clay mins.		S/17/140	
	carb. clay: principle component, homog. brown Sandy silt: grey ± predom silt + minor sand component. sand ± apparent qtz (fine grained) common white specks kaolin			140-160 <1% peaty chips	+ white specks of kaolin in sandy silt		S/17/145	
150	SILCRETE: - hard, fine grained, ang. brown to grey frags.						S/17/150	
	135-140: 80 carb. clay, 10% silcrete, 10% sandy silt						S/17/155	
160	140-160: 60-70% carb. clay, 20-30% silcrete 20-30% sandy silt						S/17/160	gradational boundary
	± depth SANDY SILT tends to SILTY CLAY ie CARB. CLAY Interbedded ± SILTY CLAY		As. ferrug. stain in rare orange clay frags	As. interstitial in carb. clay only	Alt. to clay mins.		S/17/165	
170	silty clay: grey ± increase in clay component ± depth carb. clay: as above.						S/17/170	
	common frags ~1% of yellow brown + orange clay frags throughout ⇒ contam? Abundance of silty clay decreases ± depth 5-10'						S/17/175	gradational boundary
180	<u>CARBONACEOUS CLAY</u> fine grade, homogeneous, plastic. Rare frags (cl.) of grey clay throughout.		n.p.	"	"		S/17/180	
							S/17/185	
190							S/17/190	
							S/17/195	
200	195-200: 5% black peaty chips			~5% peaty chips			S/17/200	