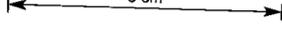


GETTY OIL DEVELOPMENT CO. LTD.
 PERCUSSION DRILLING LOG
 LAUNCESTON BASIN PROJECT TASMANIA

HOLE NO. **R/4**
 LOCATION
 COORDS N E
 TOTAL DEPTH 495 ft
 COLLAR ELEV.

CONTRACTOR Austral United Geophysical
 GAMMA LOGGED
 GEOL LOGGED R J Willink
 HOLE DIAMETER
 PROBE DIAMETER

STARTED 15/12/1972
 COMPLETED 15/12/1972
 SHEET 1 OF 2
 SCALE 10 ft = 1 in



DEPTH	DESCRIPTION	Graphic Lith	Fe	Carbon	Feldspar	Other	Sample No.	COMMENTS
10ft	SILTY CLAY Homogeneous texture, fine grained. Predom clay & minor silt frags. Variable in colour & depth. Variable in plasticity. 0-5 ft predom brown to grey. Top 2 ft non plastic due to surface activity. Frequent reddish-brown ferruginous patches 5% of cuttings.		0-5 ft staining reddish brown	0-5 ft Some surface penetration of carb material	All to clay mins		R/4/5 R/4/10	Cuttings water flushed
20ft	5-10 ft predom light grey with hard compact limonitic? fragments (yellow brown) 5% of cuttings - possibly band through clay.		10-35 ft limonitic band?				R/4/15	
	10-30 ft mottled yellow brown and light grey & yellow brown colour becoming more predominant & depth. Plastic, homogeneous text.		35-75 ft Rare ferrug st patches < 1% of cuttings				R/4/20	
	30-35 ft predom yellow brown & 10% of cuttings compact red brown limonitic? fragments - possibly band through clay.						R/4/25	
	35-75 ft yellow brown homogeneous text. Plastic. Rare < 1% orange ferrug. st patches in cuttings - less compact, non plastic. Cont. clay minerals throughout.						R/4/30	
40ft							R/4/35	
							R/4/40	R/4/40 } Extensively contain R/4/45 } 5 bran. Little return. R/4/50 }
							R/4/45	
							R/4/50	
50ft							R/4/55	
							R/4/60	
							R/4/65	
70ft							R/4/70	
							R/4/75	
80ft	CARBONACEOUS SILTY CLAY dark brown to dark grey. Fine gr, homogeneous texture. Predom clay & minor silt frags. Carbon as fine gr interstitial component of clay matrix giving brown colouration. Small plastic with occasional zones moderately compacted, non plastic.		mp.	As fine gr interstitial component throughout depth.	All clay minerals		R/4/80 R/4/85 R/4/90	R/4/80 } Extensively contain R/4/85 } 5 bran. Little return R/4/90 }
90ft							R/4/95	
100ft							R/4/100	
							R/4/105	
110ft							R/4/110	
							R/4/115	R/4/115 } Extensively contain 5 bran.
120ft							R/4/120	
							R/4/125	
130ft							R/4/130	
							R/4/135	
140ft	135-145 ft Carbonaceous silty clay more compact. Cutting fragments angular, non plastic.						R/4/140	
							R/4/145	
150ft							R/4/150	R/4/150 } Extensively contain R/4/155 } 5 bran. R/4/160 }
							R/4/155	
160ft							R/4/160	
							R/4/165	
170ft	Boundary gradational						R/4/170	
180ft	SILTY SAND WITH LENSES OF CARBONACEOUS SILTY CLAY AND PEATY CHIPS. Silty sand - predom grey fine gr, some texture. Carbonaceous Qtz (redd) coarse and minor white specks (kaolin after Hyspar) of size of sand & depth. Carb. silty clay moderately compacted, non plastic as from 135-145 ft. Possibly represents contamination. 170-175 ft 50-60% (of cuttings) carb silty clay 20-30% silt/sand 10% peaty chips black 1/4-1/2".		mp.	As fine gr interstitial component of carb. silty clay.	As minor white specks kaolin after Hyspar in silty sand.		R/4/175 R/4/180 R/4/185	Difficult to decide whether carbonaceous clay in cuttings resulted from contamination or were interbedded with silty sand?
190ft	175-185 ft Predom silty sand 60-70% 20-30% carb silty clay 1-2% peaty chips			As peaty chips 1/4-1/2" black	All to clay minerals in carb. silty clay?		R/4/190	
	185-195 ft Predom silty sand 60-70% 20-30% carb silty clay 5% peaty chips			170-175 ft 10% of cuttings 75-185 ft 1-2% 185-195 5% 195-200 2-3%			R/4/195	
200ft	195-200 ft Predom carb silty clay 60-70% Minor silty sand 20-30% & minor < 1% peaty chips						R/4/200	
	Boundary gradational							
210ft	NON CARBONACEOUS SILTY CLAY WITH LENSES OF CARBONACEOUS SILTY CLAY AND SANDY SILT. Colour variable blue grey to brown & yellow brown streaks and orange patches. Predom plastic. No % estimate.		As orange stain in minor particles throughout cuttings	As interstitial component in carb. silty clay.	All to clay mins in carb. silty clay.		R/4/205 R/4/210	Percentages could not be determined adequately due to extensive contamination of cuttings with the washing medium.
	Silty clay - predom grey, fine gr with common white specks kaolin after Hyspar. Carb silty clay - homog text, brown to dark grey, fine gr, carbon as fine gr interstitial comp of clay matrix. Sandy silt minor & obvious Qtz (mudcl).				White specks (minor) kaolin after Hyspar in silty clay and sandy silt.		R/4/215 R/4/220 R/4/225	
220ft	Less, consistent common white specks kaolin after Hyspar. Orange patches & ferrug staining.							
230ft	Boundary gradational SANDY SILT WITH PEATY CONCENTRATIONS AND LENSES OF SILTY SAND AND MINOR SILTY CLAY. Sandy silt, predom light grey with greenish appearance. Brown streaks of carbonaceous material common. Silty sand predom Qtz. redd, colourless, altered Hyspar & green mineral (altered mafic?).		As ferrug st orange patches < 1% of cuttings throughout	As peaty concentrations in silty sand & silty clay.	All to clay minerals in silty sand and silty clay.		R/4/230 R/4/235	Difficult to delineate boundaries due to probable contamination from above and by washing medium.
240ft	Silty clay light grey abundance increases & size. Predom clay mins. 225-230 ft - coarse feel due to presence of 1% small spherical bodies (forams?). Rare (< 1%) orange ferrug st patches throughout cuttings. Peaty.						R/4/240 R/4/245	
250ft	Boundary gradational						R/4/250	
260ft	CARBONACEOUS SILTY CLAY WITH MINOR LENSES OF NON CARBONACEOUS SANDY CLAY. Carb silty clay, fine gr, homogeneous texture. Carbon as fine gr interstitial component in clay matrix. Plastic. Abundance ↑ & depth. Rare yellow white specks (kaolin after Hyspar). Sandy clay - grey. Abundance ↓ & depth. Poorly sorted, some common white specks (kaolin after Hyspar), some apparent Qtz (fine gr). 2 clay appear to be streaked together.		285-290 ft As ferrug st in rare orange patches	As fine gr interstitial component of carb. silty clay.	Kaolin after Hyspar (white specks in sandy clay) All to clay mins in carb. silty clay.		R/4/260 R/4/265 R/4/270 R/4/275	
270ft							R/4/280	
280ft							R/4/285	
285-290ft	285-290 ft - rare orange brown patches & ferrug st.						R/4/290	
290ft							R/4/295	
300ft							R/4/300	