

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

HOLE NO. S/16

CONTRACTOR AUSTRAL UNITED GEOPHYSICAL

STARTED 22/1/1973

LOCATION ~5.3 miles N.W. of LONGFORD

GAMMA LOGGED D. TOWREY

COMPLETED 22/1/1973

COORDS N E

GEOL. LOGGED R. J. WILLINK

SHEET 1 OF 2

TOTAL DEPTH 405 FT

HOLE DIAMETER 4 1/2"

SCALE 10 FT = 1 IN.

COLLAR ELEV.

PROBE DIAMETER

5 cm

DEPTH	DESCRIPTION	Graphic Lith.	Fe.	Carbon	Feldspar	Other	Sample No.	COMMENTS
	<u>SILTY CLAY</u> : Predom clay 60-70% 2 minor silt component, 30-40% - increase 2 depth. Variable colour, plasticity 2 depth.		As. ferrug. brown pink red	n.p.		Alt. to clay? minerals	S/16/0-5	
10	0-5: brown, non plastic due to surface activity		staining				S/16/10	
	5-15: mottled pink & grey. Predom plastic clay 2 silt 2 30%. Common red brown limonite pebbles, rounded 1/4" to 3/4" ~5%		throughout + limonite pebbles				S/16/15	
20	15-20: increase in silt to 40% - reflecting specks + apparent qtz, moderately plastic		5-15-50%				S/16/20	
	20-25: predom. grey 2 brown streaks. Silt 50% in clay, 50% matrix. Silt 2 apparent white specks (kaolin) - nonplastic. ~5% limonite nodds. angular + brown => band.		lim. bands				S/16/25	
30	<u>SANDY SILT</u> : yellow brown 2 minor grey patches. Ferrug. stained. Predom. silt 2 white spots (kaolin). Sand - subang qtz, clear		As. ferrug. yellow brown stain	n.p.		Alt. to kaol. (white spots)	S/16/30	
	<u>SILTY SAND</u> Predom. ferrug. stained yellow brown. Predom sand 60-80% 2 20-40% silt (+ minor clay matrix)		As. ferrug. yellow brown stain	n.p.		Alt. to clay minerals in silt component.	S/16/35	
40	Fine sand 2 predom. qtz, subangular clear to brown (ferrug. stain) Homogeneous texture, minor dull yellow (f/spar)		thru out				S/16/40	
	Sand component increases 2 depth.						S/16/45	
50							S/16/50	
							S/16/55	
60							S/16/60	
	<u>SILTY SAND Interbedded 2 Fine to Medium SAND</u> *		As. ferrug. yellow stain of sand fragms	n.p.		as minor dull yellow constituent of sand 5-10%	S/16/65	* 60-65: 70% silty sand 30% fine sand
70	<u>silty sand</u> : - as above, yellow brown sand: predom. qtz, predom. clear, to yellow ferrug. stain, subangular, 90% f/spar angular, platy? dull yellow 5-10% + dark mineral 1-2%. Yellow ferrug. staining through minor silty matrix						S/16/70	65-70: 60% silty sand 40% sand
	<u>Medium SAND</u> : - as above yellow brown colour (ferrug.)						S/16/75	70-75: 30% silty sand 70% sand.
80			As. ferrug. yellow stain of const. frag's				S/16/80	
	Xtal size increases 2 depth. 90-95 - predom. coarse SAND						S/16/85	
90							S/16/90	
							S/16/95	
100	<u>Medium SAND Interbedded 2 SILTY SAND</u> - as for 60-75		"	"	"	"	S/16/100	
	<u>Medium SAND Interbedded 2 Carbonaceous SILT to SANDY SILT.</u> - components vary in abundance 2 depth. Sand as above.		As minor yellow brown ferrug stain	As. fine grade inter- stitial component in sand 5-10%	As. minor const. of sand (as above)		S/16/105	
110	<u>carb. silty to sandy silt</u> : predom silt 2 minor sand component. overall brown colour 2 carbon as fine grade interstitial + concentrated brown to black stringers.		thru sand -decreases 2 depth.				S/16/110	
	100-110: Predom sand ~60% carb. silt ~35% 2 5% silty sand - grey.						S/16/115	
120	110-120: Predom sand ~70% 30% carb. silt						S/16/120	
	120-130: 60% silt 40% sand - rare silty sand frags.						S/16/125	
130	130-135: Predom yellow brown sand 80% 2 minor carb silt frags 20%						S/16/130	
	135-140: carb. silt - 50% 50% sand						S/16/135	
140	140-145: 80% yellow brown sand 20% carb. silt						S/16/140	
	145-165: 80% carb silt 2 high carbon content -> dark brown colour silt with increase clay component -> relatively plastic						S/16/145	
150	165-185: decrease in carb sandy silt to silt to ~60% 2 sand (predom) grey ~40%						S/16/150	
							S/16/155	
160							S/16/160	
							S/16/165	
170							S/16/170	
							S/16/175	
180							S/16/180	
							S/16/185	
190	185-200: 60% sand 40% carb. silt.						S/16/190	
	common, 5-10% carbonaceous SANDY SILT frags. greenish grey in colour 2 apparent yellow specks (kaolin) + green specks (alt. mafics)? + carb. stringers.						S/16/195	
200							S/16/200	