

GETTY OIL DEVELOPMENT CO. LTD.

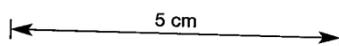
PERCUSSION DRILLING LOG.

LAUNCESTON BASIN PROJECT TASMANIA

HOLE NO. **V/4B**
 LOCATION 1.25 miles N.N.W. of LONGFORD
 COORDS N E
 TOTAL DEPTH 495 ft.
 COLLAR ELEV. 467' A.S.L.

CONTRACTOR Austral United Geophysical
 GAMMA LOGGED D. TOWREY
 GEOL. LOGGED R. J. WILLIAMS
 HOLE DIAMETER 4 1/2"
 PROBE DIAMETER

STARTED 7/1/1973
 COMPLETED 7/11/1973
 SHEET 1 OF 2
 SCALE 10 ft = 1 inch.



DEPTH	DESCRIPTION	Graphic Lith.	Fe.	Carbon	Feldspar	Other	Sample No.	COMMENTS
10	SANDY CLAYEY SILT. Predom silt ↑ & depth 60-80% Minor clay matrix ↓ & depth 20% + sand component 20%. Overall homog. texture. 0-95 ft - predom brown, loosely compacted due to surface activity.	(Fe)	As lavug. stain in minor red streaks and brown stain throughout silt.	Minor surface carbon penetration	Filt. to clay minerals?	-	V/4B/0-5 V/4B/10 V/4B/15	Bitings water flushed.
20	5-16 ft predom gray brown. Rare reddish ferruginous streaks 1-2%. Silt & apparent fine gr. Qtz - brown (Rougst) + clay minerals	(Fe)	As iron staining of gravel components	n.p.	Possible < 5% const. of gravel?	-	V/4B/20 V/4B/25 V/4B/30	
30	Recent GRAVEL. Extremely coarse, poorly sorted. > 1/2" 50%; 1/4-1/2" 30%; < 1/4" 20%. Const. frags include major Qtz (60%), white to grey angular to rounded. Common frags of dolerite lithic inded pebbles, 5% ironstone (inded) 20%, sandstone 10% + chalcidony, quartz? 5%. Overall brownish appearance due to ferrug staining of silty matrix	(Fe)	As iron staining of gravel components	n.p.	Possible < 5% const. of gravel?	-	V/4B/30 V/4B/35 V/4B/40 V/4B/45 V/4B/50	
40	CARBONACEOUS SILTY CLAY INTERBEDDED WITH PEAT. Carbonaceous clay - dark brown to grey (variable & depth) Fine gr & interstitial carbonaceous material through matrix. Constituent clay minerals predom.		27-55 ft 60-80% peat	27-55 ft 60-80% peat	All to clay mins	-	V/4B/55 V/4B/60	V/4B/55? Extensively contam. with brn. Very little return of actual cuttings?
50	27-60 ft 60-80% peat, dark brown to black decomposed carbonaceous material. Clay abundance ↑ & depth cuttings predom plastic plasticity ↑ & depth		55-60 ft As interstitial	55-60 ft As interstitial			V/4B/65 V/4B/70	Very little return
60	55-60 ft. 60% of cuttings dark brown silty clay (carbonaceous) 40% grey brown clay		??	??	??	??	V/4B/75 V/4B/80 V/4B/85 V/4B/90 V/4B/95	
70	CARBONACEOUS SILTY CLAY As from 27-60'. 70-95' predom carbonaceous brown clay & minor frags 5% of silty clay. Common 1-2% pebbles from gravel 15-27' - contamination? Rare peaty chips < 1%		n.p.	As interstitial silty clay to peaty chips < 1%	All to clay mins	-	V/4B/100 V/4B/105 V/4B/110 V/4B/115 V/4B/120 V/4B/125 V/4B/130 V/4B/135 V/4B/140	
80	Gradational change silt ↑ & depth clay ↓ & depth						V/4B/145 V/4B/150 V/4B/155 V/4B/160	
90	CARBONACEOUS SILT. Predom brown due to abundance of interstitial carbon. Predom silt & minor < 5% sand constituent and minor < 5% clay constituent. Apparent yellow specks 5-10% kaolin after 1/2 spm scattered randomly through otherwise fine gr homog matrix. Rare peaty chips 95-115 ft < 1%. 115-120' 5% peaty black chips		n.p.	As interstitial through silt component.	Yellow specks 5-10% kaolin after 1/2 spm?	-	V/4B/165 V/4B/170 V/4B/175 V/4B/180 V/4B/185 V/4B/190	
100	Clay abundance ↑ in depth 120-140' 1-2% peaty chips 1-2% of cuttings - large 1/4" qtz pebbles - contamination from above?						V/4B/195 V/4B/200	
110	PEAT. Cuttings predom peat 80-90% decomposed black to brown carbonaceous material as from 27-55'. Minor 10-20% carbonaceous silt frags. Rare qtz pebble < 1%. Abundance of peat ↓ & depth Gradational boundary.		n.p.	80-90% peat.	All clay mins carb silt component of cuttings	-	V/4B/145 V/4B/150 V/4B/155 V/4B/160	
120	CARBONACEOUS SILTY CLAY. Predom brown to greyish brown. Fine gr homog text. Carbon as fine gr interstitial 160-170 ft 10% peat frags (banding?) Abundance of peat in cuttings ↓ & depth		n.p.	As interstitial through	All to clay mins	-	V/4B/165 V/4B/170 V/4B/175 V/4B/180 V/4B/185 V/4B/190	
130	Abundance of clay ↑ & depth as abundance of silt ↓ & depth 1% of cuttings ⇒ gravel frags contamination only? 170-190 ft 2-3% peaty chips			170-190' As interstitial + 2-3% peaty chips			V/4B/195 V/4B/200	
140	Gradational boundary							
150	CARBONACEOUS CLAY. Predom brown homog clay & minor < 5% silt component 2-3% peaty chips		n.p.	2-3% peaty chips + interstitial	All to clay mins	-	V/4B/195	
160	PEAT 80-70% peat (as from 140-160') 20-30% carb clay (as from 190-195') Peat ↓ & depth as clay ↑ & depth		n.p.	80% peat	?		V/4B/200	