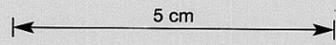


GETTY OIL DEVELOPMENT CO. LTD.  
 PERCUSSION DRILLING LOG.  
 LAUNCESTON BASIN PROJECT TASMANIA

HOLE NO. **H/4ii**  
 LOCATION  
 COORDS N E  
 TOTAL DEPTH  
 COLLAR ELEV.

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

STARTED *6/12/1972*  
 COMPLETED *7/12/1972*  
 SHEET OF  
 SCALE *10 ft. 1 in.*



DEPTH	DESCRIPTION	Graphic Lith.	Fe.	Carbon	Feldspar	Other	Sample No.	COMMENTS
10ft	<b>SANDY SILT</b> 0-5ft - mottled brick red, brown + grey 5-10ft - mottled brown and grey Gr. size ↓ depth. Silt. fine gr, homogeneous texture, some obvious Qtz + white specks kaolin after f/spar. Sand fine gr, qtz + minor f/spar. Red colouration (0-5ft) due to ferrug. st. in silty matrix. Frequent lim nodes 0-5 ft, ↓ depth (1%). 5-10ft - brown patches - ferruginised sandy matrix (coarser gr size than surrounding medium). Rare Qtz pebbles < 1/8".		As stain brick red 0-5 ft up to 50% of cuttings	n.p.	As minor const. of sand		H/4ii/0-5 H/4ii/10	Cuttings water flushed.
20ft	<b>GRAVEL IN SILTY SAND MATRIX</b> - % of major constituents varies as follows:- Very poorly sorted. 10-25 ft - predom. grey - pebbly gravel 40-50% sandy silt 50-60% 25-40 ft predom. brown pebbly gravel 30-40% sandy silt 60-70% 40-45 ft predom. grey - pebbly gravel 40-50% sandy silt 50-60%		As ferrug. st. 30-40ft brown colour	n.p.	As const. of gravel and sand 20% colourless white pink orange.		H/4ii/15 H/4ii/20	
30ft	Gravel const. include Qtz (colourless, white to grey) 30-40%, upto 1" diam., coarser ↓ depth; Quartzite (silicified rock?) (variable in colour green, grey, black) 20-30% abundant from 40-45 ft, rounded, upto 1" diam.; Chalcedony (agate) < 5% rounded f/spar - (colourless, white, pink, orange) upto 1/4" 20-30%. Numerous other minor constituents including black minerals (rocks?), 1% rock igneous texture 1% possibly dolomite?, rare mica flakes and rare lim nodes nodes 1/4". Gravel increases in coarseness ↓ depth very poorly sorted. Sandy silt - predom Qtz, minor f/spar		As rare lim nodes < 1% rounded 1/4"		As minor const. of silty matrix		H/4ii/25 H/4ii/30	
40ft	30-40ft - brown colour due to ferrug st of sandy silt matrix. Often forms more consolidated pebble like compact patches.						H/4ii/35 H/4ii/40 H/4ii/45	
50ft	<b>SILTY SAND</b> - greenish grey - carbonaceous; variable ↓ depth. Silty sand - homogeneous texture; carbonaceous concentrations frequent		n.p.	As interstitial fine gr component	White to yellow specks kaolin after f/spar?		H/4ii/50	
60ft	Carbonaceous material occurs as fine gr. interstitial component in silty sand matrix (black speck) and as peaty chip concentrations (see CARBON). Silty sand - some qtz (clear) evident, dull yellow specks - kaolin after f/spar?, green mineral (possibly altered mafic minerals) Gr size ↓ depth.			For entire depth Peaty concentrations from 75-80ft	minor const in silty matrix		H/4ii/55 H/4ii/60	
70ft				90-95ft and 100-110ft up to 5% of cuttings.			H/4ii/65 H/4ii/70	
80ft							H/4ii/75 H/4ii/80	
90ft							H/4ii/85 H/4ii/90	
100ft							H/4ii/95 H/4ii/100	
110ft							H/4ii/105 H/4ii/110	
120ft	<b>CARBONACEOUS SANDY SILT WITH LENSES OF NON CARBONACEOUS SILTY SAND AND CONCENTRATIONS OF CARBONACEOUS MATERIAL.</b> Predom. brown to grey brown. Const. frags - yellow white specks kaolin after f/spar 1%. some obvious qtz in fine gr. matrix. Carbon occurs as rare chips (peaty) and fine gr. interstitial component as from 45-110ft. Rare Qtz pebbles from 140-145ft, 1/8", angular.		As interstitial fine gr component for entire depth (5-10% of matrix)	Peaty concentrations from 120-130ft	Kaolin after f/spar 1% of silt matrix		H/4ii/115 H/4ii/120	
130ft							H/4ii/125 H/4ii/130	
140ft							H/4ii/135 H/4ii/140	
150ft							H/4ii/145 H/4ii/150	
160ft							H/4ii/155 H/4ii/160	
170ft	165-170ft - coarse text., frequent 5% small pebbles 1/16" of Qtz colourless to brown, rare f/spar. Also some ferrug pebbles. Most likely due to contamination (see comments)		Rare ferrug pebbles (contam?)				H/4ii/165 H/4ii/170	Stopped drilling at 165 ft 4/12/1972 Resumed drilling 7/12/1972
180ft							H/4ii/175 H/4ii/180	
190ft							H/4ii/185 H/4ii/190	
200ft							H/4ii/195 H/4ii/200	