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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. / in.

5 cm

DEPTH	DESCRIPTION	Graphic Lith.	Fe.	Carbon	Feldspar	Other	Sample No.	COMMENTS
10 ft	SANDY SILT 0-5 ft - mottled brick red, brown + grey 5-10 ft - mottled brown and grey. Gr. size ↓ with depth. Silt - fine gr, homogeneous texture, some obvious Qtz + white specks kaolin after F/spar. Sand fine gr. qtz + minor F/spar. Red colouration (0-5 ft) due to ferrug. st. in silty matrix. Frequent lim nods 0-5 ft, ↓ in frequency with depth (1%). 5-10 ft - brown patches - ferruginised sandy matrix (coarser gr size than surrounding medium). Rare Qtz pebbles < 1%.		As stain brick red 0-5 ft up to 50% of cuttings. As lim. nods 0-5 ft ↓ with depth 1%.	n.p.	As minor const. of sand (kaolin after F/spar?) & 2% white specks.	-	H/4ii/0-5 H/4ii/10	Cuttings washed.
20 ft	GRAVEL IN SILTY SAND MATRIX - % 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. 30-40 ft brown colour. As rare lim. nods < 1% rnded 1/4".	n.p.	As const. of gravel and sand 20% colourless white pink orange. As minor const. of silty matrix		H/4ii/15 H/4ii/20	
30 ft	Gravel const → include Qtz (colourless, white to grey) 30-40%, up to 1" diam., coarser ↓ depth; Qtzite (silicified rock?) (variable in colour green, grey, black) 20-30%, abundant from 40-45 ft, rnded, up to 1" diam.; Chalcedony (agate) < 5%, rnded F/spar - (colourless, white, pink, orange) up to 1/4" 20-30%. Numerous other minor constituents						H/4ii/25 H/4ii/30	
40 ft	including black minerals (rocks?). 1%, rock ↓ igneous texture 1% possibly dolerite?, rare mica flakes and rare lim nods rnded 1/4". Gravel increases in coarseness ↓ depth very poorly sorted. Sandy silt - predom Qtz, minor F/spar 30-40 ft - 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	
50 ft	SILTY SAND - 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? - minor const in silty matrix	-	H/4ii/50	
60 ft	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 75-80 ft, 90-95 ft and 100-110 ft up to 5% cuttings.			H/4ii/55 H/4ii/60 H/4ii/65 H/4ii/70	
80 ft							H/4ii/75 H/4ii/80	
90 ft							H/4ii/85 H/4ii/90	
100 ft							H/4ii/95 H/4ii/100	
110 ft							H/4ii/105 H/4ii/110	
120 ft	CARBONACEOUS SANDY SILT WITH LENSES OF NON CARBONACEOUS SILTY SAND AND CONCENTRATIONS OF CARBONACEOUS MATERIAL. 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 45-110 ft. Rare Qtz pebbles from 140-145 ft, 1/8", angular.		↓ interstitial fine gr component for entire depth. (5-10% of matrix) → Kaolin after F/spar 2% of silt matrix. Peaty concentrations from 120-130 ft.				H/4ii/115 H/4ii/120 H/4ii/125 H/4ii/130 H/4ii/135 H/4ii/140	
150 ft							H/4ii/145 H/4ii/150	
160 ft							H/4ii/155 H/4ii/160	
170 ft	165-170 ft - 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 6/12/1972 Recommenced drilling 7/12/1972
180 ft							H/4ii/175 H/4ii/180	
190 ft							H/4ii/185 H/4ii/190	
200 ft.							H/4ii/195 H/4ii/200	